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ASSESSMENT REPORT

describing

AIRBORNE GEOPHYSICS, MAPPING, PROSPECTING AND DIAMOND DRILLING

at the

LUMINA PROPERTY

FOG 1-45	YC49461-YC49505
PTERD 7	Y98062
12F	YA05934
RAIN 1-24	YC49201-YC49224
SUN 1-118	YC49506-YC49623
U 1-7	YC32469-YC32475
10-12	YC39582-YC39584
V 1-14	YC49447-YC49460
W 1-110	YC39712-YC39821
111-116	YC39894-YC39899
117-124	YC42237-YC42244
125-258	YC42676-YC42809
259	YC47976

NTS 106C/14 & 106F/03
Latitude 64°57'N; Longitude 133°16'W

in the
Mayo Mining District
Yukon Territory

prepared by
Archer, Cathro & Associates (1981) Limited
for

CASH MINERALS LTD.
and
TWENTY-SEVEN CAPITAL CORP.

by
Matthew R. Dumala, B.A.Sc., EIT
February 2007

FIGURES

Number		Following Page
1.	Property Location	1
2.	Claim Location	in pocket
3.	Tectonic Setting	4
4.	Regional Geology	4
5.	Property Geology	in pocket
6.	Sample Locations	in pocket
7.	Airborne Magnetics	in pocket
8.	Airborne Radiometrics – Apparent Uranium Concentration	in pocket
9.	Drill Plan – Jack Flash Showing	10
10.	Section A – Jack Flash Showing	10
11.	Section B – Jack Flash Showing	10
12.	Section C – Jack Flash Showing	10
13.	Section D – Jack Flash Showing	10
14.	Section E – Jack Flash Showing	10
15.	Section F – Jack Flash Showing	10
16.	Section G – Jack Flash Showing	10
17.	Section H – Jack Flash Showing	10
18.	Section I – Jack Flash Showing	10
19.	Section J – Jack Flash Showing	10
20.	Drill Plan and Sections – Ram Showing	10

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
PROPERTY LOCATION, CLAIM STATUS AND ACCESS	1
HISTORY	2
PHYSIOGRAPHY AND GEOMORPHOLOGY	3
REGIONAL GEOLOGY	4
REGIONAL MINERALIZATION	6
PROPERTY GEOLOGY	7
PROPERTY MINERALIZATION AND GEOCHEMISTRY	8
AIRBORNE GEOPHYSICS	9
2006 DIAMOND DRILLING	10
DISCUSSION AND CONCLUSIONS	13
REFERENCES	15

APPENDICES

I STATEMENT OF QUALIFICATIONS

II GEOPHYSICAL REPORTS

III GEOLOGICAL AND GEOTECHNICAL LOGS

IV CERTIFICATES OF ANALYSIS

TABLES

I	Regional Lithological Descriptions	5
II	Drill Hole Data	11
III	Significant Diamond Drill Hole Intervals	12

INTRODUCTION

The Lumina property hosts uranium in veins and fractures. Twenty-Seven Capital Corp. purchased the property in December 2004 and staked additional claims in fall 2005. More claims were staked in 2006 to cover favourable trends and areas outlined by airborne magnetic surveys. Lumina and 18 other properties in the Wernecke Mountains owned by Twenty-Seven are under option to Cash Minerals Ltd. as part of the Yukon Uranium Project.

Exploration work in 2006 on the Lumina property was conducted between May 5 and September 14. A total of 2602.89 m of diamond drilling was completed in 22 holes from a camp located on the property. The author participated in the work and his Statement of Qualifications appears in Appendix I.

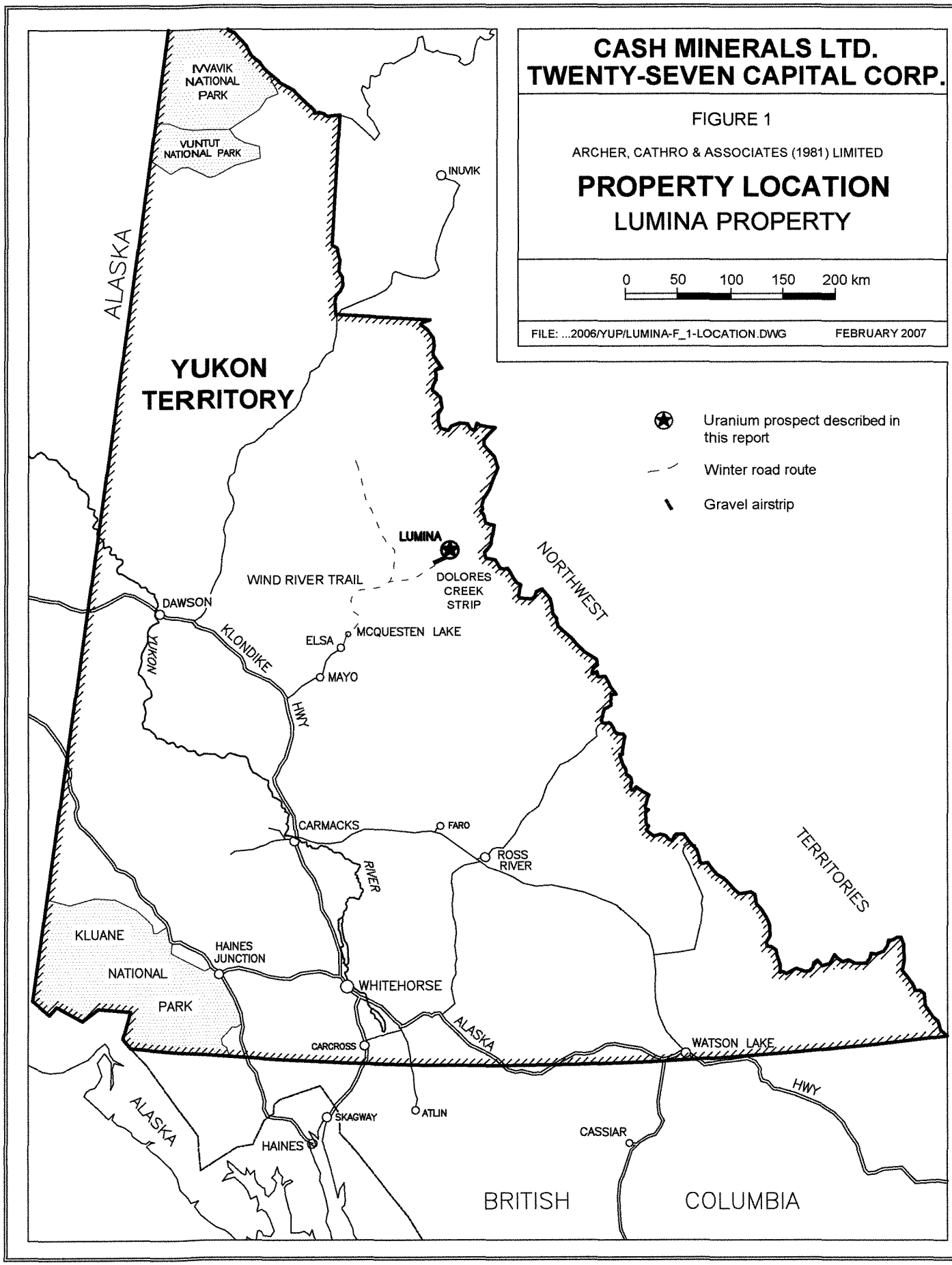
PROPERTY LOCATION, CLAIM DATA AND ACCESS

The property is located in east-central Yukon Territory at latitude 64°57'N and longitude 133°16'W on NTS map sheets 106C/14 and 106F/03 (Figure 1). It comprises a total of 472 mineral claims covering approximately 9440 hectares. The claims were staked under the Yukon Quartz Mining Act and are registered with the Mayo Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Twenty-Seven. In October 2005, Cash Minerals and Twenty-Seven optioned the Dolores claims, which are adjacent to the Lumina property from Pamicon Developments Ltd. and Equity Engineering Ltd. Although contiguous with the Lumina property, the Dolores claims are considered to be a separate property under terms of the option agreement between Twenty-Seven and Cash Minerals. Claim registration data are summarized below while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Fog 1-45	YC49461-YC49505	July 24, 2009
Rain 1-24	YC49201-YC49224	July 24, 2009
Sun 1-118	YC49506-YC49623	July 24, 2009
U 1-7	YC32469-YC32475	April 2, 2010
10-12	YC39582-YC39584	April 2, 2010
V 1-14	YC49447-YC49460	April 2, 2012
W 1-110	YC39712-YC39821	March 16, 2015
111-116	YC39894-YC39899	March 16, 2015
117-124	YC42237-YC42244	March 16, 2015
125-214	YC42676-YC42765	March 17, 2009
215-234	YC42766-YC42785	March 16, 2009
235-258	YC42786-YC42809	March 17, 2009
259	YC47976	May 19, 2009

*expiry dates do not include 2006 work which has not yet to been filed for assessment credit.

The Lumina property is located 195 km northeast of the village of Mayo, which is accessible via the Yukon highway system using the Klondike Highway and Silver Trail. Mayo is situated


CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
LUMINA PROPERTY
0 50 100 150 200 km
FILE: ...2006/YUP/LUMINA-F_1-LOCATION.DWG FEBRUARY 2007
IVVAVIK NATIONAL PARK
VUNTUT NATIONAL PARK
INUVIK
ALASKA
YUKON TERRITORY
Uranium prospect described in this report
Winter road route
Gravel airstrip
LUMINA
WIND RIVER TRAIL
DOLORES CREEK STRIP
NORTHWEST
DAWSON
YUKON
KLONDIKE
ELSA
MCQUESTEN LAKE
MAYO
HWY
CARMACKS
FARO
ROSS RIVER
RIVER
TERRITORIES
KLUANE
NATIONAL PARK
HAINES JUNCTION
WHITEHORSE
CARCROSS
ALASKA
WATSON LAKE
HWY
SKAGWAY
ATLIN
HAINES
CASSIAR
ALASKA
BRITISH COLUMBIA

407 km by road north of Whitehorse. The closest road access to the property is at McQuesten Lake which lies 87 km by road northeast of Mayo and 135 km southwest of Lumina. From McQuesten Lake, an abandoned winter road (Wind River Trail) extends northward to the Peel Basin. A cat trail that branches off the winter road leads directly to the Lumina property. The Dolores Airstrip is located on the property.

In 2006, access to various parts of the property and daily logistical support were accomplished using Hughes 500D and Bell 206B helicopters based on the property and operated by Fireweed Helicopters of Whitehorse. Airborne radiometrics were done using an AStar B2 helicopter that was temporarily based out of the Lumina camp and was operated by Trans North Helicopters of Whitehorse. Fuel and supplies were flown from Mayo to Dolores airstrip using a Britten-Norman Islander operated by Sifton Air of Haines Junction.

HISTORY

Regional

The first report of mineralization in the Wernecke Mountains was the discovery of hematite rich float in river gravels by prospectors enroute to the Klondike Goldfields in 1898. A few copper and gold prospects were identified and staked prior to the 1960s, but no serious exploration was undertaken. Following discovery of the Crest Iron Deposit by California Standard Company Ltd. in 1961, several hematite bodies were staked and briefly explored. This wave of exploration coupled with improved access spurred by construction of the Wind River Trail led to new copper discoveries in the mid 1960s, some of which were drilled or bulldozer trenched (Deklerk and Traynor, 2004).

Uranium was first discovered in the Wernecke Mountains in 1974 at the Igor property by Ogilvie Joint Venture (Chevron Canada Ltd., Marietta Resources International Ltd. and Aquitaine Company of Canada Ltd.). The following summer Wernecke Joint Venture (Chevron and Aquitaine) conducted helicopter borne radiometric reconnaissance throughout the district and staked a number of other properties based on ground radiometric follow up. Most of these occurrences are associated with large iron oxide rich breccia bodies that are informally known as the Wernecke Breccias. Eldorado Nuclear Limited optioned Wernecke Joint Venture's properties and regional exploration rights in 1976. It conducted property and regional exploration in 1976 and 1977 along with a number of other companies, notably Noranda Minerals Ltd. and Pan Ocean Oil Ltd. Wernecke Joint Venture resumed exploration in 1978 after Eldorado Nuclear began to drop its optioned properties. Systematic uranium exploration by various parties continued in the Wernecke Mountains until 1982, when uranium prices fell (Eaton and Wober, 2005).

Another wave of regional and property exploration occurred in the mid 1990s when Westmin Resources Ltd. and Newmont Mining Corp. explored some of the Wernecke Breccias for copper and gold using the IOCG model.

Property

The Lumina property (originally called the Pterd property) was staked by Wernecke Joint Venture in 1975 after a float train of pitchblende bearing boulders was discovered atop an alpine glacier. Ground radiometric surveys and geological mapping were performed that year (Archer, 1975).

Eldorado Nuclear optioned the property in 1976. It performed 470.6 m of diamond drilling in five holes (Riley, 1976). In 1981, after the option had expired, Wernecke Joint Venture performed additional geological mapping, detailed radiometric surveys and three diamond drill holes totalling 606.9 m (Easton and Archer, 1981). Mountaineer Mines Ltd. staked the Ram claims located approximately 5 km north of the Pterd claims in 1976 and optioned them to Pan Ocean Oil Ltd., which conducted mapping, soil sampling, radiometric surveys and hand trenching in 1977 and 1978. This work identified two main radioactive zones along the south bank of Ram Creek. Chip samples from trenches within these zones returned up to 0.91% U_3O_8 across 2 m (Stammers and Ikona, 1977 and 1979 and Yeager and Ikona, 1980).

The Ram claims were later restaked by Pamicon Developments Ltd., Equity Engineering Ltd. and Westmin Resources Ltd. in 1992, which conducted limited sampling, prospecting and mapping (Stammers 1992 and Klatt and Stammers, 1995).

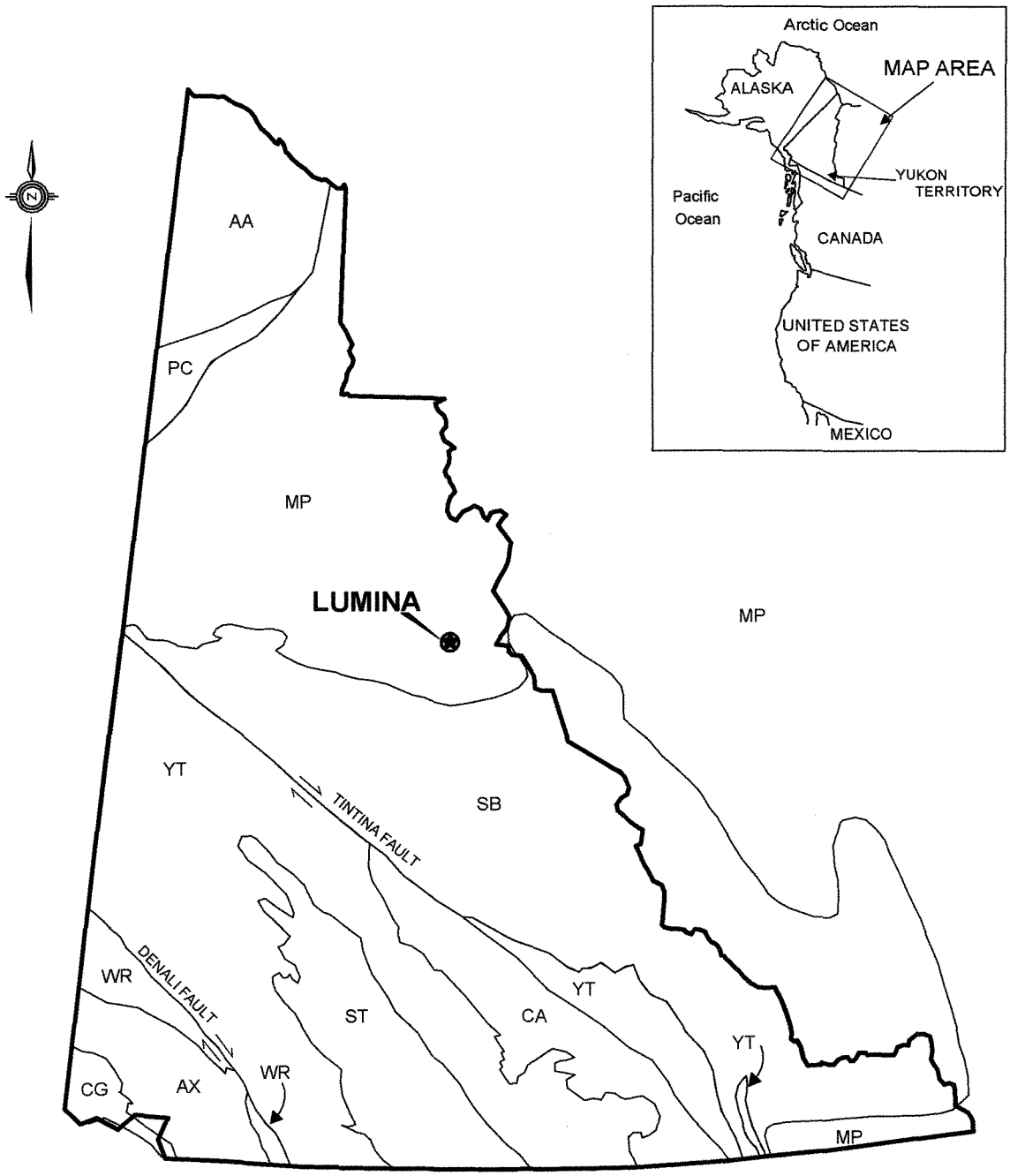
Pamicon Developments and Equity Engineering staked the Dolores property in 1992. The claims were transferred to Newmont Exploration Limited in 1995 which conducted a work program based on the IOCG model.

The Pterd (Lumina) property was sold in 1992 to Archer Cathro, which resold it to Nordac Resources Ltd. in 1995. Nordac later became Strategic Metals Ltd. The property was dormant from 1981 until fall 2004, when Strategic staked more claims. Cash Minerals optioned the property in fall 2004 along with three other properties in the Wernecke Mountains. In December 2004, Strategic sold its interest in the properties to Twenty-Seven.

In August 2005, the Jack Flash Showing was discovered on a cliff face at the head of the uraniferous boulder train. In September, the Pterd property was renamed Lumina and an additional 116 claims were staked to cover other nearby showings. A total of 503.63 m of diamond drilling were completed in seven holes at the Ram showing in November 2005 (Dumala, 2005).

PHYSIOGRAPHY AND GEOMORPHOLOGY

The Lumina property is located in a rugged alpine setting along the divide between the Bonnet Plume and Snake River systems. It covers a complex system of ridges, broad glacial valleys and cirques, some of which are still floored by glaciers. Local elevations range from 2300 m atop a peak located in the centre of the property to 1100 m on the valley floor to the north. The entire property is above tree line. Vegetation is restricted to grass and scattered buckbrush along creeks and lichen at higher elevations.



ANCESTRAL NORTH AMERICA

- MP — Mackenzie Platform
- SB — Selwyn Basin

TERRANES
Displaced Continental Margin

- AA — Arctic Alaska
- CA — Cassiar
- PC — Porcupine

Pericratonic Terranes

- YT — Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

- ST — Stikinia / Cache Creek
- AX — Alexander
- WR — Wrangellia
- CG — Chugach

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING
LUMINA PROPERTY

0 100 200 km

FILE: ...2006/YUP/LUMINA/F_3-TECTONIC.DWG | DATE: FEBRUARY 2007

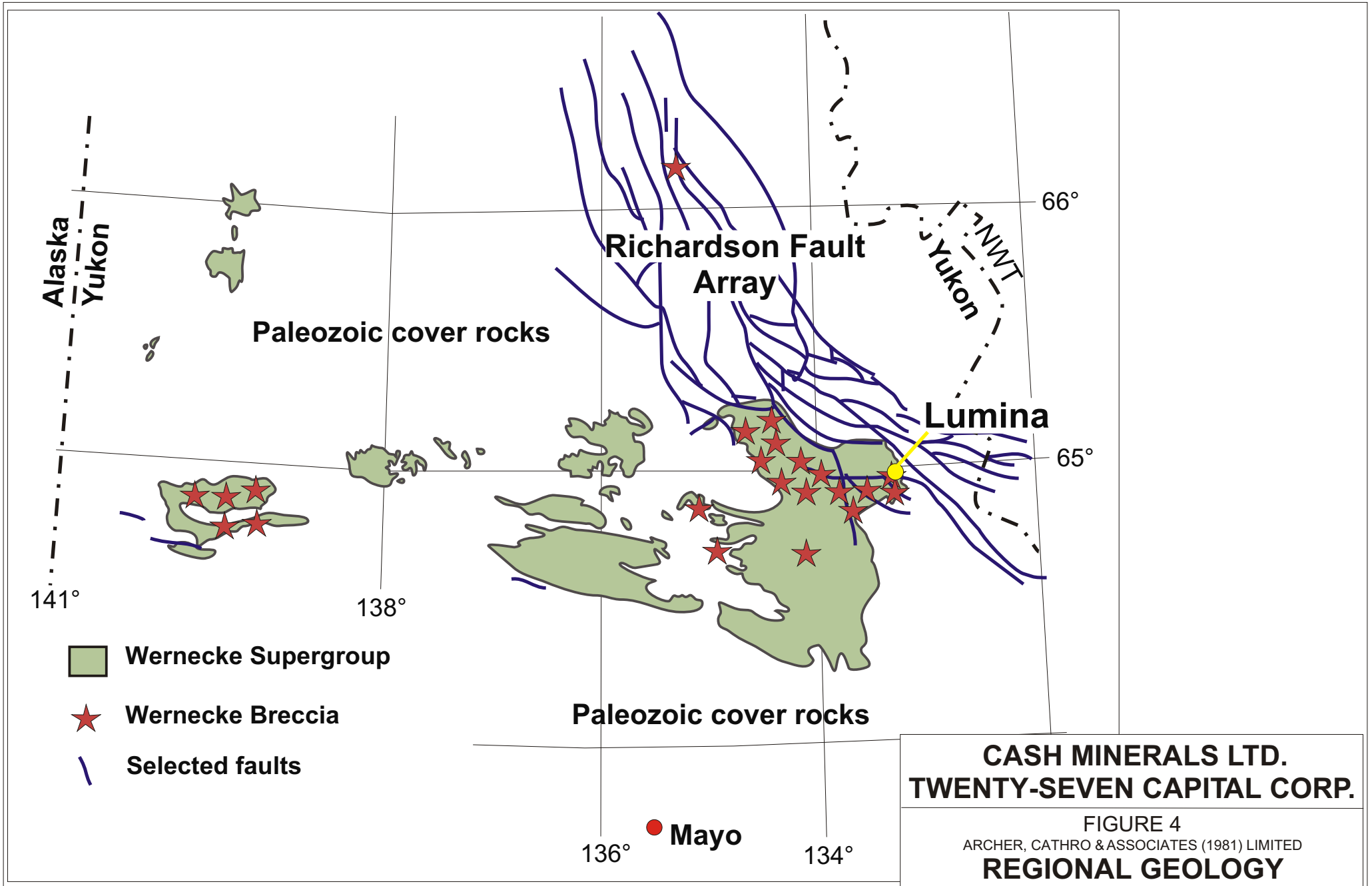

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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

LUMINA PROPERTY

0 100 km

...2006/YUP/LUMINA/F_4-REGIONAL.CDR FEBRUARY 2007

The main area of interest (Jack Flash Showing) is on an east-west trending ridge, the south side of which is a 20 to 40° talus slope and the north side is a 40 to 80° cirque wall. A glacier in the north facing cirque is about 1.4 km long and 30 m thick. It is mostly covered by rock debris eroded from the surrounding oversteepened hillsides.

There are a few suitable campsites on the property but water is a problem at most of them. Although creeks near the edges of the property contain sufficient water for camp and drill purposes, long water lines are required to reach the main area of interest.

The climate in the Wernecke Mountains is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, cool summers. Average temperatures in January are about –25°C and in July about 10°C. Total annual precipitation is approximately 30 cm, mostly occurring as rain during the summer months. Maximum snow pack averages about 40 cm. Although summers are relatively mild, arctic cold fronts occasionally cover the area and snowfall can happen in any month. Sunlight ranges from 22 hours per day in late June to approximately six hours per day in late December. The property is relatively snow-free from early June until mid-September.

REGIONAL GEOLOGY

The Lumina property lies within the Mackenzie Platform tectonic element inside a 2500 sq km window of Lower Proterozoic age rocks that is surrounded by Mid Proterozoic to Mesozoic sediments (Figure 3). This window is the largest in a series of similar windows that stretch westerly across central Yukon from the Northwest Territories to Alaska (Figure 4). The Lower Proterozoic rocks are predominantly fine grained clastic sedimentary rocks with lesser carbonate rich units, rare volcanic flows, scattered intrusive dykes of varying ages and widespread, discordant breccia bodies (Wernecke Breccias), which comprise about 3 to 5% of the rocks in each window (Delaney, 1981). Recent mapping and age determinations suggest that the Lower Proterozoic sedimentary rocks are about 1850 to 1750 million years old and that the breccia bodies were formed about 1600 Ma (Thorkelson, et al., 2001a). These ages closely resemble those of similar units in Australia, which has led to speculation that Laurentia (North America) and Australia were once joined and that the breccia bodies were formed during initial rifting (Bell and Jefferson, 1987 and Thorkelson, et al., 2001a). The various intrusive dyke sets in the Wernecke Mountains have been dated at 1710, 1380, 1270 and 613 Ma (Thorkelson, et al., 2001b and Delaney, 1981).

The Lumina property is located within the Lower Proterozoic Wernecke Supergroup, a conformable marine sequence approximately 13 km thick comprised of sediments belonging to the Fairchild Lake Group, Quartet Group and Gillespie Lake Group. Regional mapping by Thorkelson and Wallace (1998) identified a large north-south striking fault along the western property boundary. This fault places Quartet Group rocks to the west against Fairchild Lake Group rocks to the east. East of the property, younger sedimentary rocks unconformably overlie the Wernecke Supergroup. These rocks include the Upper Proterozoic Windermere Supergroup, Middle to Upper Proterozoic Hematite Creek Group and the Middle Proterozoic Pinguicula Group.

The Wernecke Breccias have attracted considerable academic and economic interest because of their abundance, size and characteristic mineralogy, which in many respects resemble those in similar age breccia bodies found in Australia (Hitzman, et al., 1992). The breccia bodies are closely related to large scale faults. They vary from irregularly shaped pipes up to 5000 m in diameter to tabular bodies a few metres wide. Their composition typically ranges from: clast supported phases dominantly comprised of angular homolithic clasts; through matrix supported phases with subangular to rounded, variously altered clasts; and, to occasional clast deficient phases that are thought to have been channelways with high fluid flow. The breccia clasts are usually derived from adjacent sedimentary units but also include rare intrusive fragments. Up to 100 m diameter blocks of unbrecciated sediment occur in some breccia bodies. Dolomite, ankerite, sericite, hematite and chlorite are the most abundant matrix materials, but albite, calcite, magnetite, barite, quartz, pyrite and chalcopyrite are also common. The size of breccia bodies and intensity of alteration generally increases with depth.

The sedimentary rocks typically exhibit greenschist facies regional metamorphism and were affected by the Racklan, Corn Creek and Laramide Orogenies. Several generations of faults are present, many of which are associated with a very old set of westerly, northwesterly and northerly trending structures called the Richardson Fault Array (Delaney, 1981). In the immediate vicinity of the Lumina property the strongest faults exhibit northerly strikes with steep westerly dips or easterly strikes with near vertical dips. Some researchers have suggested that faults played important roles in breccia formation (Delaney, 1981 and Bell, 1986). However, many of the structures are clearly much younger or reactivated later because they juxtapose Proterozoic and Paleozoic units.

The following briefly describes the major lithological units in vicinity of the property.

Table I: Regional Lithological Descriptions

STRATIFIED UNITS

QUATERNARY
Alluvium, colluvium and glacial deposits.

QUATERNARY
Continental clastic sediments including coal measures.

-UNCONFORMITY-

PALEOZOIC
Marine clastic and carbonate sedimentary rocks.

-UNCONFORMITY-

UPPER PROTEROZOIC
Marine sediments including carbonate, arenite, pebble conglomerate, siltstone and shale.

UPPER PROTEROZOIC
Windermere Supergroup: a conformable marine sequence consisting of basal Sayunei Formation, Shezal Formation, Profeit Dolostone, Twitya Formation, Keele Formation and upper Sheepbed Formation. Sayunei Formation is thick bedded to massive sandstone and

conglomerate. Shezal Formation consists of massive diamictite. Profeit Dolostone is massive to thick bedded dolostone. Twitya Formation is comprised of thin bedded siltstone interbedded with sandstone, conglomerate and dolostone. Keele Formation is predominately thin bedded to massive micritic dolostone. Sheepbed Formation is recessive shale and siltstone.

MIDDLE TO UPPER PROTEROZOIC
Hematite Creek Group: medium to thick bedded dolostone with interbedded shale, siltstone, limestone and quartz arenite.

MIDDLE PROTEROZOIC
Pinguicula Group: a conformable marine sequence consisting of dolomite, limestone and thin bedded siltstone and shale.

-UNCONFORMITY-

LOWER PROTEROZOIC
Wernecke Supergroup: – a conformable marine sequence approximately 13 km thick consisting of basal Fairchild Lake Group, middle Quartet Group and upper Gillespie Lake Group. Fairchild Lake Group is predominantly siltstone and limy siltstone with minor slate and dolostone. Quartet Group is deeper water shale, siltstone and very fine sandstone. Gillespie Lake Group is dolostone and silty dolostone with minor shale and siltstone.

DISCORDANT AND INTRUSIVE UNITS

EARLY PROTEROZIC TO CAMBRIAN
Various narrow dykes of mafic to intermediate composition including lamprophyres.

MIDDLE PROTEROZOIC
Wernecke Breccia: discordant hematitic breccia largely comprised of variably metasomatized country rock fragments. Contacts can be sharp or gradational. Breccias can include three gradational phases – homoclastic, heteroclastic or clast deficient. Homoclastic breccias consist of angular, lithologically similar fragments with minor carbonate- and hematitic-rich matrix. Heteroclastic breccias consist of rounded, lithologically diverse fragments supported by a more complex matrix commonly containing carbonate, hematite, magnetite, chlorite, pyrite, chalcopyrite and/or barite. Clast deficient breccias are found in late tabular zones or pipes and are comprised of typical heteroclastic matrix minerals with only a few small wallrock fragments.

EARLY PROTEROZOIC
Bonnet Plume River Intrusions: dykes, stocks and megaclasts of fine to medium grained diorite to gabbro.

REGIONAL MINERALIZATION

The Wernecke Breccias are notably enriched in iron, copper, uranium, gold, cobalt, barium and molybdenum and slightly enriched in rare earth elements. Iron oxide mineralization is ubiquitous in the Wernecke Breccias. Magnetite is most abundant in prograding alteration sequences. It normally occurs as disseminated euhedral grains but locally forms semi massive bands up to 5 m thick. Hematite is found in all breccia phases but is best developed in retrograde alteration assemblages where it appears as specular hematite and as martite replacing magnetite.

Pyrite can occur with the iron oxide minerals but becomes more abundant deeper in the system, particularly within breccia bodies cutting Fairchild Lake Group strata. Iron bearing carbonate minerals such as ferroan dolomite and siderite are also common.

Copper is present in most Wernecke Breccias. Disseminated chalcopyrite is found in breccias cutting Fairchild Lake Group rocks, where it is associated with intense albite alteration, and in those cutting Quartet Group rocks, where it is hosted in strongly carbonate altered zones. Semi-massive chalcopyrite occurs with breccia matrix minerals in late stage channelways within some breccia bodies. Quartz-carbonate veins are reported within the Fairchild Lake Group, Quartet Group and Gillespie Lake Group. These veins often contain chalcopyrite and pyrite. Other copper minerals (chalcocite, bornite and copper carbonate minerals) have been reported in weathered rocks but no significant supergene enrichment has been identified.

Uranium occurs in three main forms in the Wernecke Mountains. Brannerite appears as scattered blebs within most Wernecke Breccias and in quartz veins and fractures peripheral to them. Although pockets of coarse crystals up to 40 cm across have been discovered, no economically significant brannerite occurrence has been identified. Pitchblende is the main uranium mineral in the other two types of showings: (1) uraniferous carbonate-chalcopyrite-barite-magnetite assemblages within late stage channelways in Wernecke Breccias (Hitzman, 1990 and Eaton and Archer, 1982) and (2) much younger structurally controlled uraniferous veins usually found immediately below major unconformities (Eaton and Archer, 1982).

PROPERTY GEOLOGY

The Lumina property covers strongly faulted Wernecke Supergroup and Wernecke Breccia (Figure 5). Faults on the Lumina property generally strike northerly and dip steeply west. The Jack Flash Showing is located within a 200 to 400 m wide fault bounded block that is open to the north and truncated to the south by a near vertical, easterly striking fault. This block contains slices of variably altered Fairchild Lake Group plus a few small breccia bodies. Unaltered Quartet Group lies to the west of the block, while to the east the geology is much more complex including variably altered Gillespie Lake Group, Quartet Group, Fairchild Lake Group and Wernecke Breccia. A regional scale unconformity lies along the eastern property boundary. The main lithologies are described in the following paragraphs from oldest to youngest.

Fairchild Lake Group consists of pale green to spotted green phyllite with minor interbedded dolomite, and slightly younger, wavy banded, green argillite and brown weathering argillaceous limestone.

Quartet Group comprises medium grey to black, interbedded argillite, slate and fine quartzite which are frequently bleached to pale green adjacent to breccia bodies. Contacts between the breccia bodies and sediments are often gradational.

Gillespie Lake Group occurs in two blocks, one at the northern end of the property and the other in the southern part. Both blocks consist of orange-brown weathering dolomite.

Wernecke Breccia forms an approximately 500 m diameter body along the eastern side of the property, a series of 50 to 100 m diameter bodies scattered along its length and a much larger; irregularly shaped breccia body about 1 km east of the Jack Flash Showing. The breccias have been subdivided in two types: homoclastic and heteroclastic. The homoclastic breccias exhibit

gradational contacts with surrounding wallrocks but show sharp contacts with heteroclastic assemblages. Typical homoclastic breccias consist of angular to subangular fragments with minor carbonate and specular hematite matrix. All of the clasts resemble adjacent wallrocks. Heteroclastic breccias are composed of variably altered subrounded fragments supported by a matrix of carbonate and hematite with minor quartz and chlorite. Some of the fragments exhibit lithologies and alteration not observed in adjacent wallrocks.

Mafic dykes and sills of uncertain age have been mapped peripheral to the property. They are not common and rarely exceed 5 m in width. The intrusions have sharp contacts with wallrocks and are not surrounded by alteration halos. They weather green or green-grey and range from diabase to gabbro in composition.

PROPERTY MINERALIZATION AND GEOCHEMISTRY

Uranium mineralization at the Lumina property is more widespread and on average higher grade than that associated with IOCG prospects in the Wernecke Mountains. It is also quite different in character and likely in origin. Although there are Wernecke Breccias on the property, nearly all of the uranium mineralization is hosted in fractured sediments. Age dating indicates that the uranium at Lumina is much younger than that in the Wernecke Breccias, about 510 Ma vs 1600 Ma (Archer, et al., 1977).

The main area of interest, the Jack Flash Showing (Figure 6), is marked by a 150 m wide, approximately 1400 m long float train of highly radioactive boulders that lie atop an alpine glacier in a north facing cirque. Uranium rich boulders are estimated to comprise 0.01 to 0.1% of the material in the float train. They are most abundant in a terminal moraine at the toe of the glacier and along its western side. The abundance of radioactive boulders decreases sharply in the last 150 m before the headwall of the cirque and gradually thins out on the eastern side of the float train. A non-radioactive talus slope has encroached on the western side of the float train and the radioactive material appears to extend beneath it. Prior to 2005 the source of the radioactive boulders was not known.

Pitchblende is the primary uranium mineral in the boulders. It occurs with traces of sulphides in bleached pale green to tan or chloritized dark grey-green siltstones that are highly fractured or brecciated, sometimes exhibiting slickensides. The pitchblende forms anhedral masses filling discontinuous 0.5 to 8 mm wide fractures or disseminations throughout matrices of quartz cemented breccias. Yellow and green secondary uranium oxides are occasionally present on weathered surfaces.

Little assaying of the uranium mineralization was done prior to 2005 because the uranium is in equilibrium with its daughter products. Three specimens considered to be representative of material in the float train returned 2.04, 1.36 and 1.61% U_3O_8, respectively. One of these samples was analyzed for a selected suite of other metals, returning 75 ppm thorium, 0.07% total rare earth elements, 0.02% copper, 7.9 g/t silver and trace gold. A fourth specimen of more radioactive material taken above the glacier at the base of the cirque headwall assayed 7.67% U_3O_8, 10 ppm thorium, 0.098% total rare earths, 0.09% copper, 7.5 g/t silver and trace gold. Diamond drilling that explored beneath the glacier for the source of the pitchblende rich float

was frustrated by long water lines, lack of suitable drill sites and rapid advance of the glacier, which caused the rods to bend sharply resulting in premature termination of the holes. Only one of eight holes intersected any radioactivity and that was in a cobble-size fragment within Wernecke Breccia, quite different from the boulders in the float train.

The mineralized boulders are believed to be mainly derived from vein faults and adjacent fracture zones located primarily on the south side of the cirque. In 2005, an unsophisticated , helicopter-borne radiometric survey conducted around the headwall of the cirque led to the discovery of the Jack Flash Showing (Dumala, 2005). The peak reading (8000 cps) came from a survey line, which returned 1000-8000 cps over an estimated 80 m length using a handheld Scintrex BGS-1SL scintillometer. A closer examination from the helicopter revealed strong yellow uranium staining with minor malachite along the face of the cliff in the vicinity of the maximum readings. The stained area is about 20 m across, 15 m high and 5 m thick. A strong linear feature, believed to be an alteration horizon, is located directly north (downhill) from the stained rock face. It is visible along the face of the cliff for a distance of about 200 m. This horizon appears to dip south to southwesterly. Unfortunately, this showing is inaccessible without climbing gear.

The Ram Showing is located within a deeply incised canyon 5 km north of the Jack Flash Showing. Two areas were reported along the southern side of Ram Creek, approximately 50 m apart. The exposures are located near the contact between Wernecke Breccias and sedimentary rocks. Trenching at the western exposure (Ram 1), in 1977 and 1978, revealed two shear zones oriented at 170/90° and 070/90°. The mineralization is believed to occur as fine laminations parallel to compositional banding within strongly silicified salmon to dark grey weathering dolomite at the intersection of the two shear zones. A chip sample across this showing assayed 0.910% U_3O_8 over 2 m. Chip samples collected from the eastern exposure (Ram 2) returned 0.615% U_3O_8 over 1 m (Stammers and Ikona, 1979). Prospecting in 2006 identified several radioactive float occurrences along Ram Creek. Grab samples taken from the Ram 1 and 2 exposures assayed 1.82% U_3O_8, and 0.348% U_3O_8 respectively.

A float sample collected north of Tetrahedrite Creek, along the eastern property boundary, assayed 33.7% copper and 148 ppm silver. It contained nearly massive bornite with minor disseminated chalcopyrite.

Numerous other showings of radioactive float are scattered throughout the property (Figure 6). None of these showings has been traced to bedrock.

AIRBORNE GEOPHYSICS

An airborne magnetic survey was conducted over the Lumina property in spring 2006 by McPhar Geosurveys Ltd., of Newmarket Ontario, using a Piper Navajo based in Mayo. Excerpts from the final report outlining the methods used in this survey can be found in Appendix II. Figure 7 shows the total magnetic intensity. This data has not yet been fully interpreted. A magnetic high located near the centre of the property corresponds to Wernecke Breccia.

An airborne radiometric survey was completed by McPhar using an AStar B2 helicopter based out of the Lumina camp in early September 2006. Excerpts from the final report outlining the methods used in this survey can also be found in Appendix II. Figure 8 shows the apparent uranium concentration over the Lumina property.

Airborne radiometrics outlined numerous anomalous areas within the property. The strongest uranium high was obtained over the Jack Flash Showing. A band of strong radioactivity extends about 250 m east along the cliff from this showing. Due to the length of this anomaly and the steep terrain, it is unlikely that all of the radioactivity is cause by the known area of mineralization. The radioactivity also extends about 1.5 km north from the showing. These anomalous readings coincide with the float train of pitchblende rich boulders lying atop the glacier. The Ram Showing appears as a moderate high, approximately 50 m in diameter. None of these other radiometric anomalies has been systematically explored but radioactive specimens have been discovered near many of them (Figure 8). Anomalous readings mostly occur in areas underlain by Fairchild Lake Group, Quartet Group or Wernecke Breccia. The greatest concentration of high values occurs in three 300 to 600 m wide, northwest trending corridors, which may mark mineralized structures.

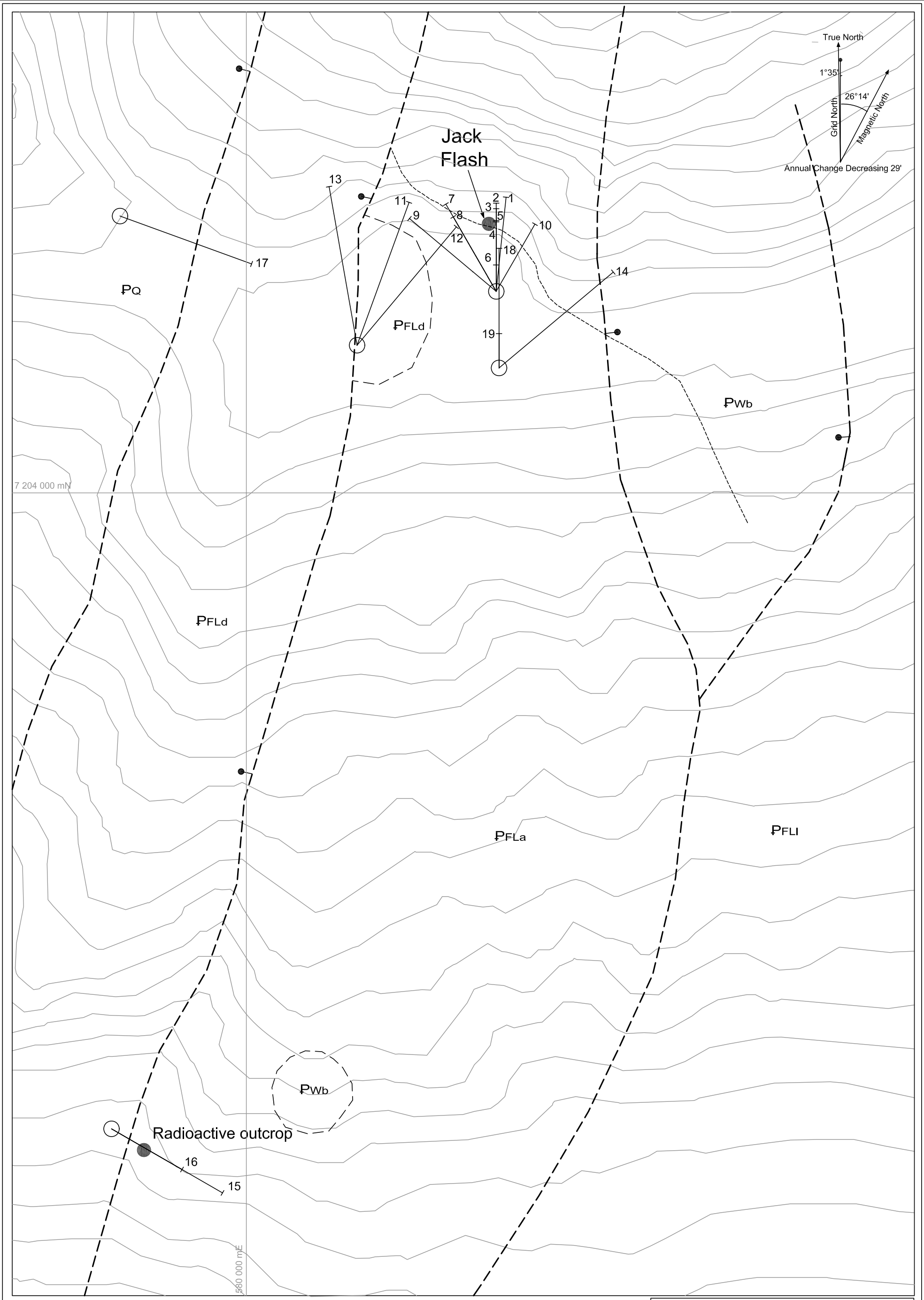
2006 DIAMOND DRILLING

General

Drilling was done between June 15 and August 23, 2006. Holes L06-01 to L06-14, L06-18 and L06-19 were contracted to Coretech Diamond Drilling Inc. of Penticton, British Columbia. Holes L06-15 to L06-17 and R06-1 to R06-3 were contracted to Superior Diamond Drilling Inc. of Kelowna, British Columbia. Both companies completed the work with Mandrill 1200 diesel powered drills using BTW equipment. A total of 2356 m of drilling was completed in 19 holes in the area of the Jack Flash Showing, as illustrated on Figures 9 through 19. Three holes totalling 246.89 m were drilled at the Ram Showing, as illustrated on Figure 20. All of the holes were drilled from pads that were built by hand using rocks and soil.

The drill core was transported from the drill sites to a logging area at the camp, where recovery was measured, geological and geotechnical logging were performed and splitting was done. Geologically and mineralogically favourable intervals from each hole were split with one-half bagged and sent for analysis, and the other half returned to the core box. All core is neatly stacked and strapped in a storage area alongside the camp. Appendix III contains the geological and geotechnical logs. Core samples were flown to Mayo where they were transported to Whitehorse by truck, escorted by a representative of Archer Cathro. The samples were then driven or shipped to Saskatchewan Research Council Geoanalytical Laboratories in Saskatoon, where they where analyzed using the induced coupled plasma technique (ICP6.3). Samples that exceeded 1000 ppm uranium were assayed. Whole rock analyses were also done using the same methods. Certificates of Analysis are contained in Appendix IV.

Most of the nineteen holes drilled around the Jack Flash Showing in 2006 tested downdip and along strike from the mineralization exposed on the headwall of the cirque. A few of the holes explored for possible feeder zone mineralization along nearby faults. A long water line



STRATIFIED UNITS

LOWER PROTEROZOIC

- PQ **Quartet Group**
- PFL **Fairchild Lake Group**, undivided
  - PFLd orange-red weathering dolomite and dolomitic siltstone; siliceous breccia
  - PFLa grey weathering argillite and siltstone
  - PFLl grey-tan weathering, parallel laminated, silty limestone and micrite

INTRUSIVE UNITS

MIDDLE PROTEROZOIC

- PWb **Wernecke Breccia**

SYMBOLS

- Contact
- Fault (defined/inferred) - bar on downthrown side
- Diamond drill hole

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FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL PLAN

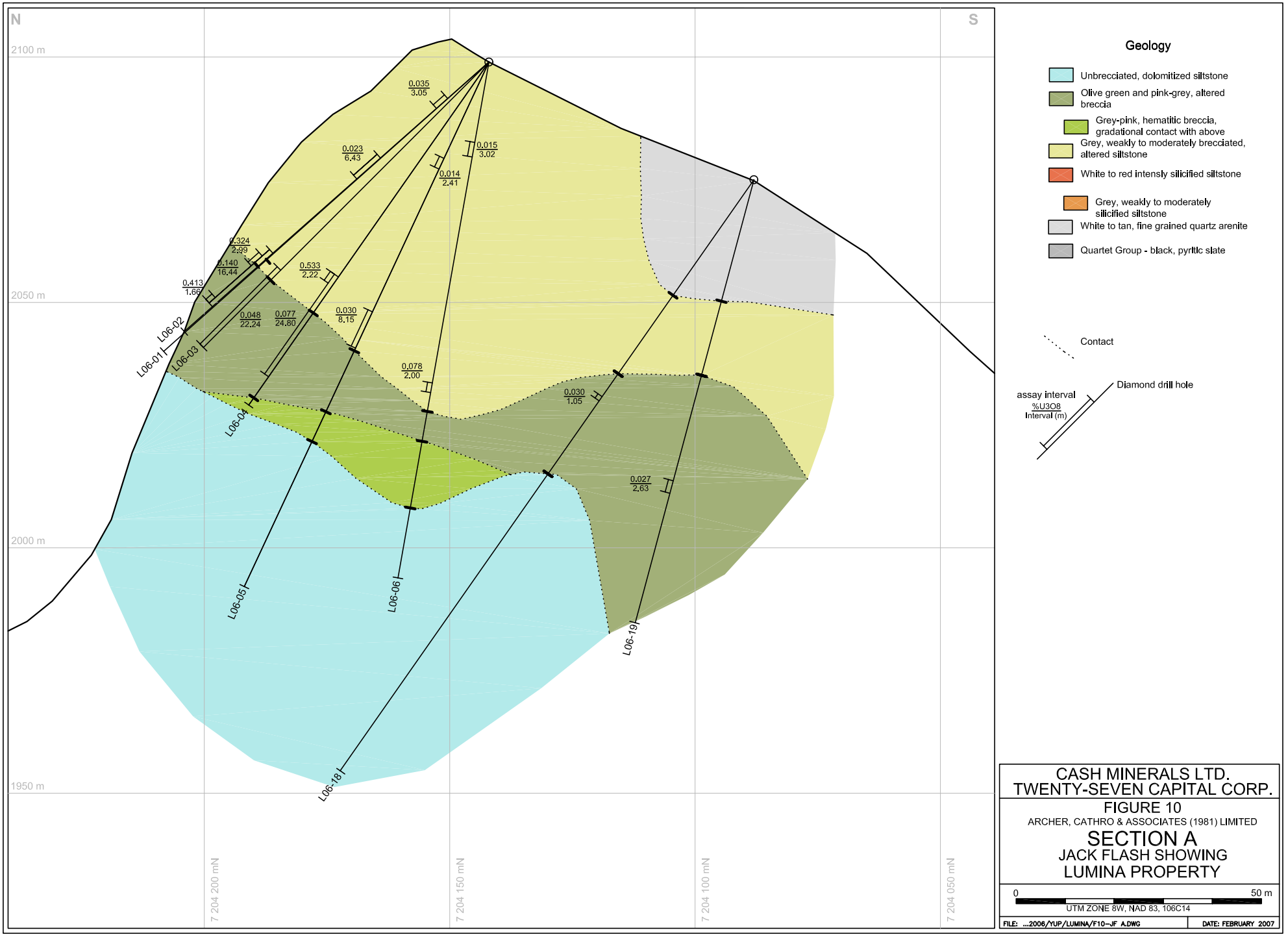
JACK FLASH SHOWING

LUMINA PROPERTY

0 150 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F_9-JF PLAN.DWG DATE: FEBRUARY 2007



CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SECTION A

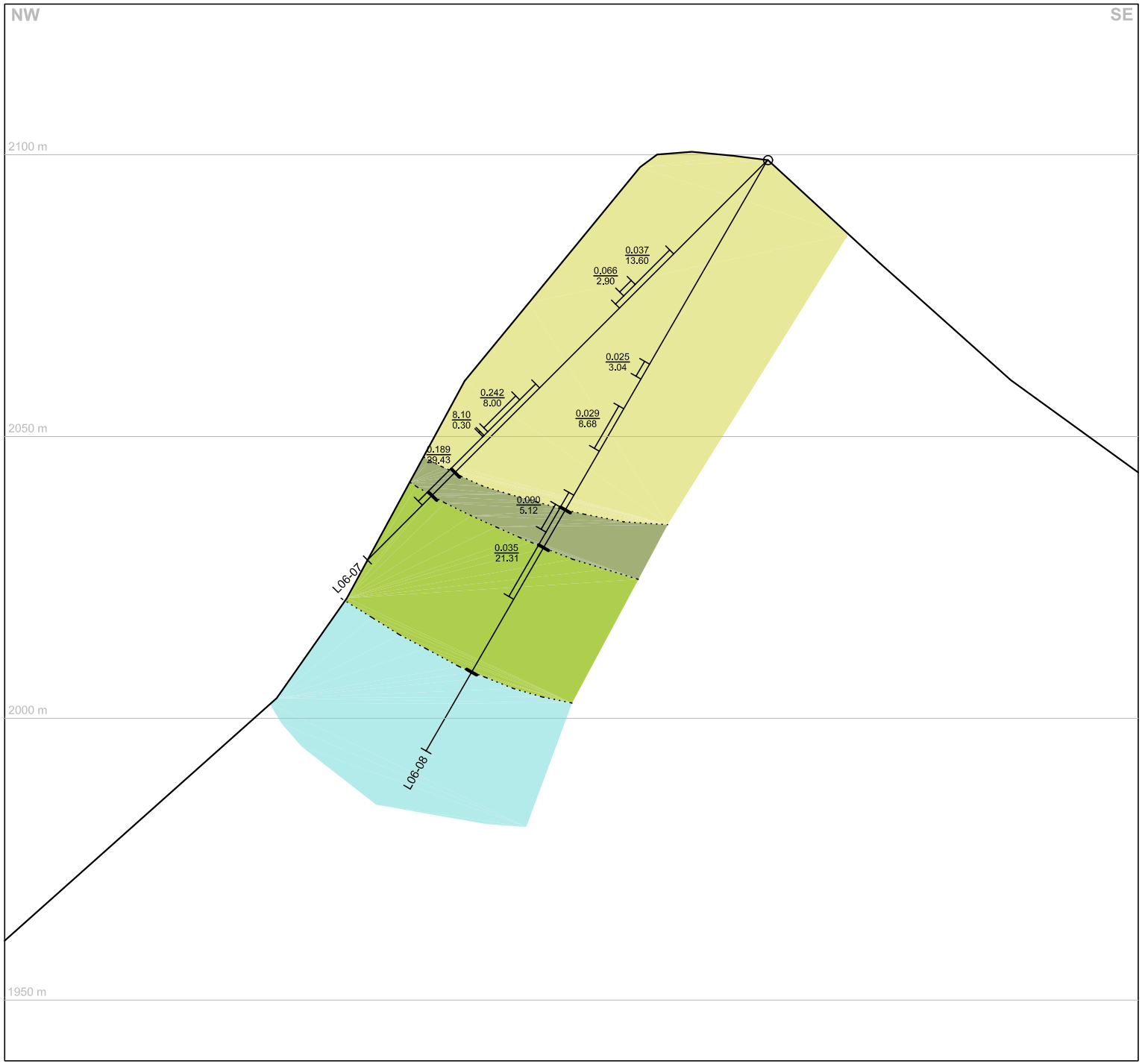
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F10-JF A.DWG

DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

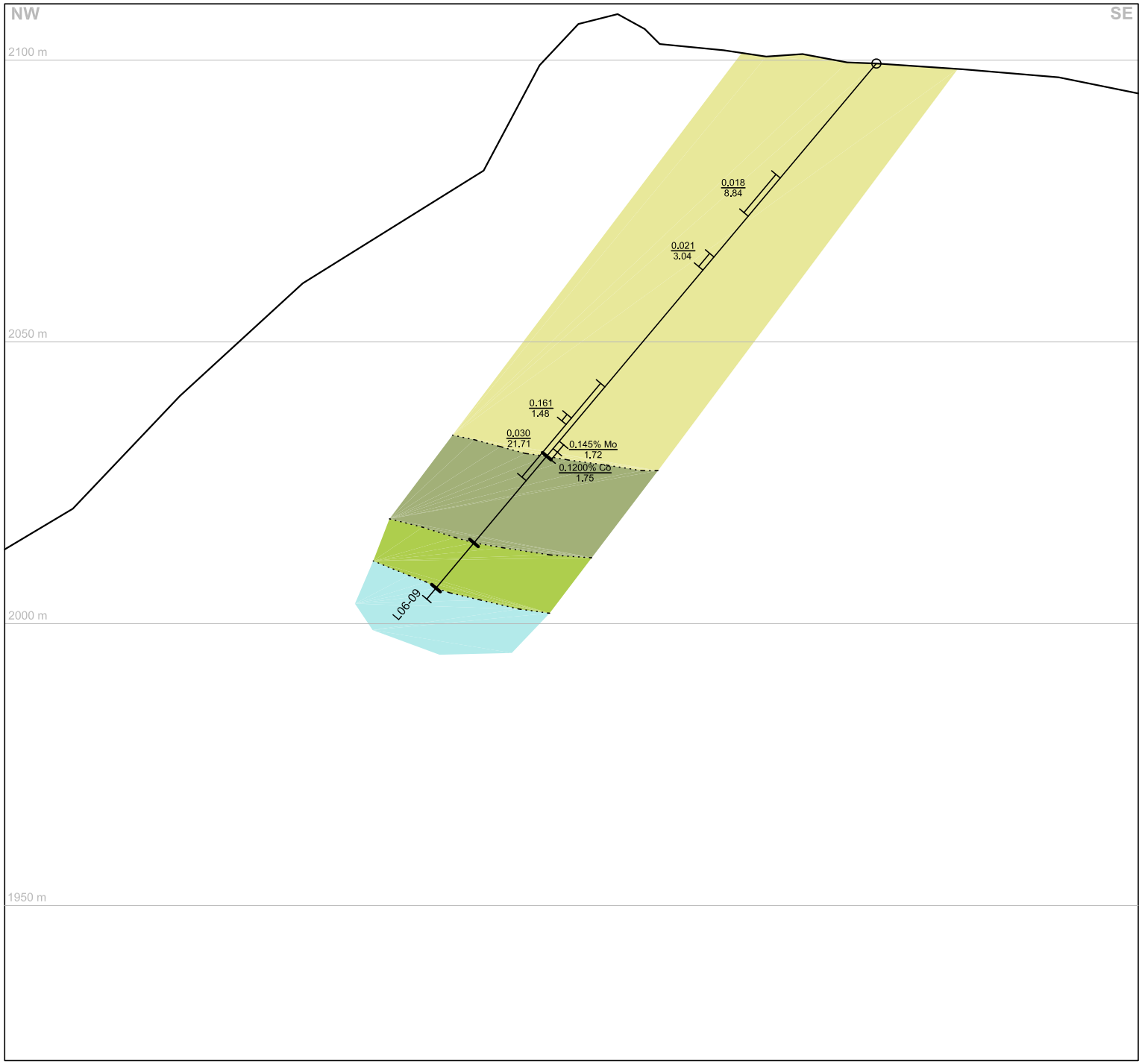
SECTION B
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F11-JF B.DWG

DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
Interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

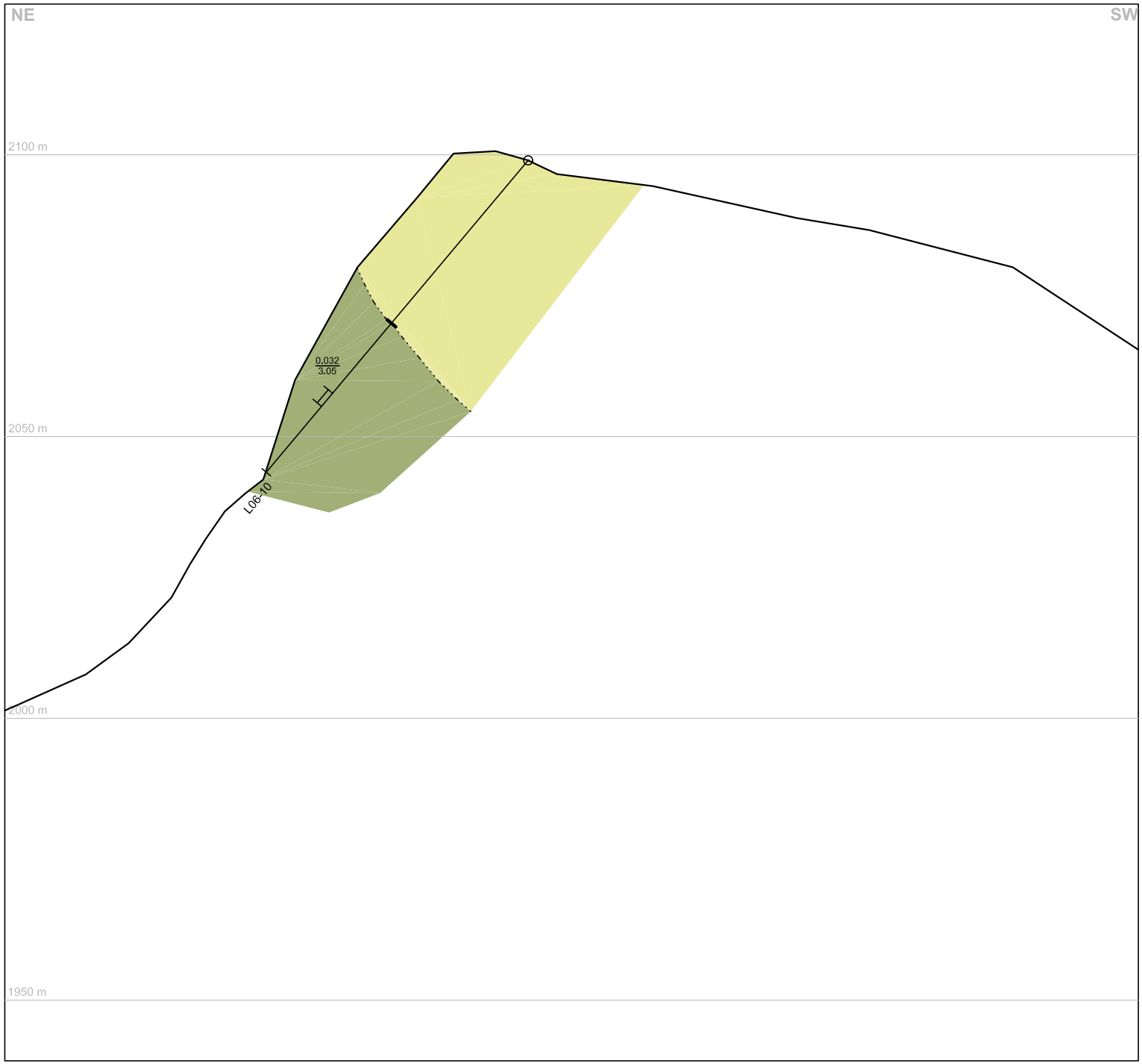
SECTION C
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F12-JF C.DWG

DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 13

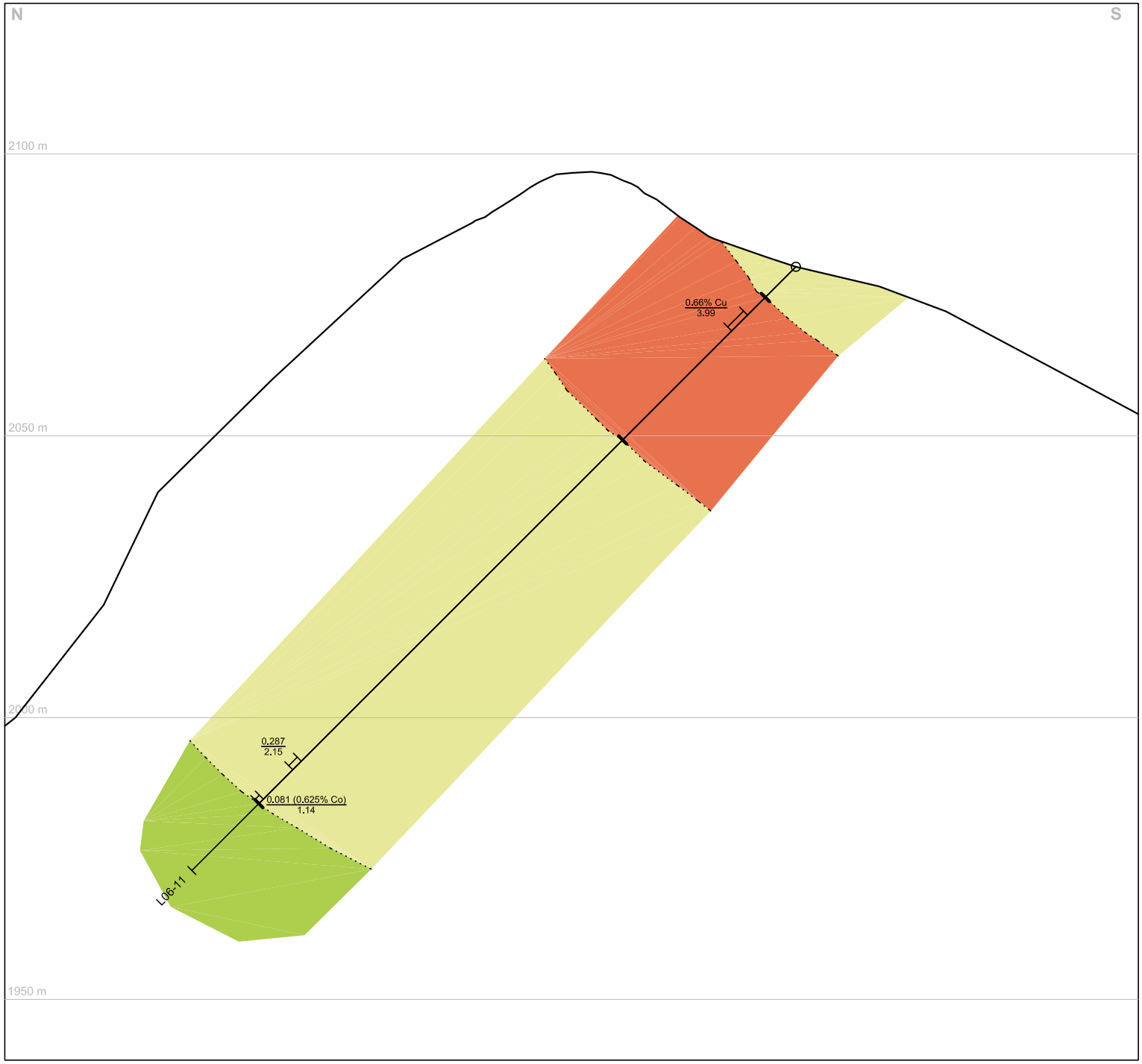
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SECTION D
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F13-JF D.DWG | DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

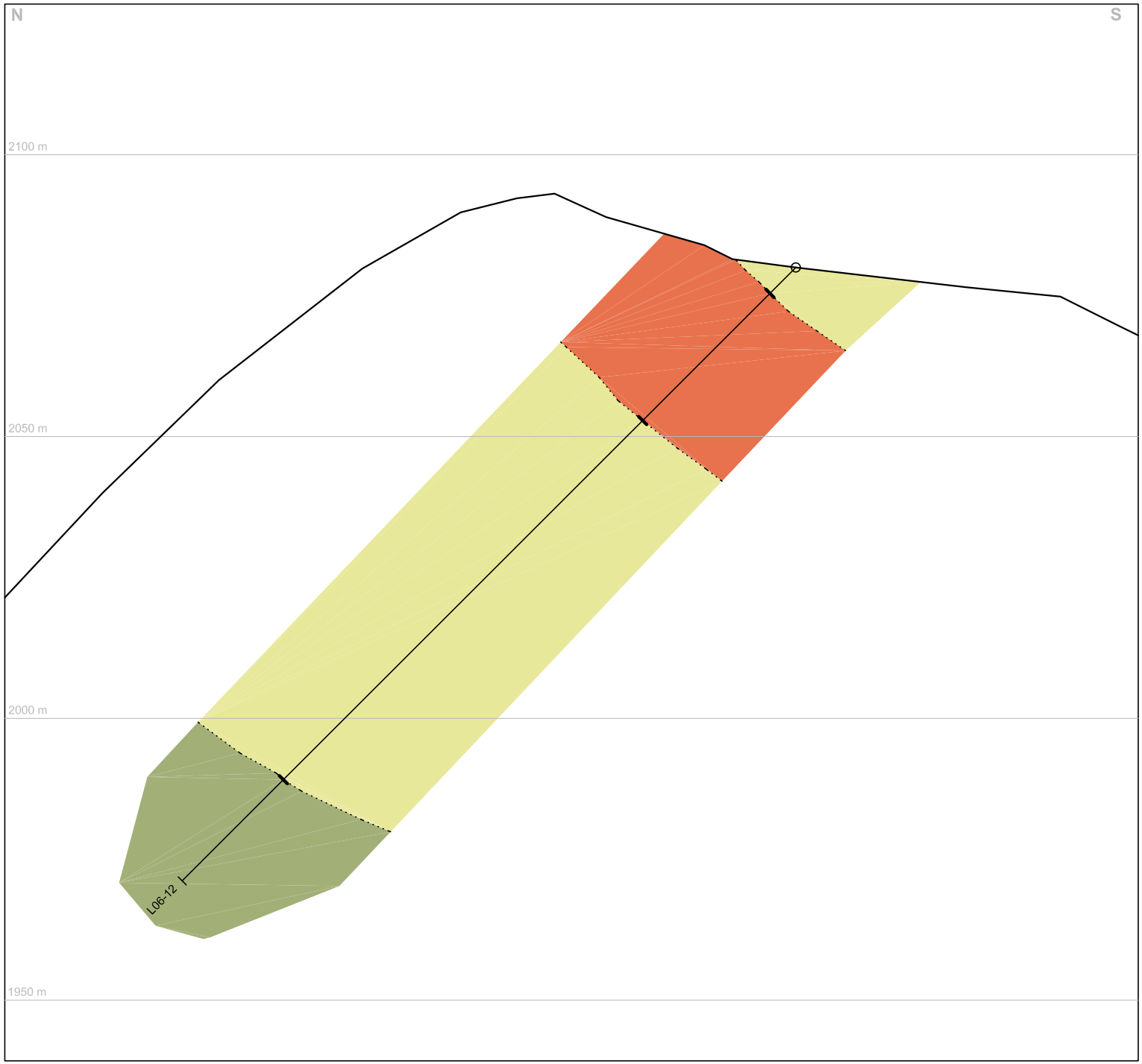
SECTION E
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F14-JF E.DWG

DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grain quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

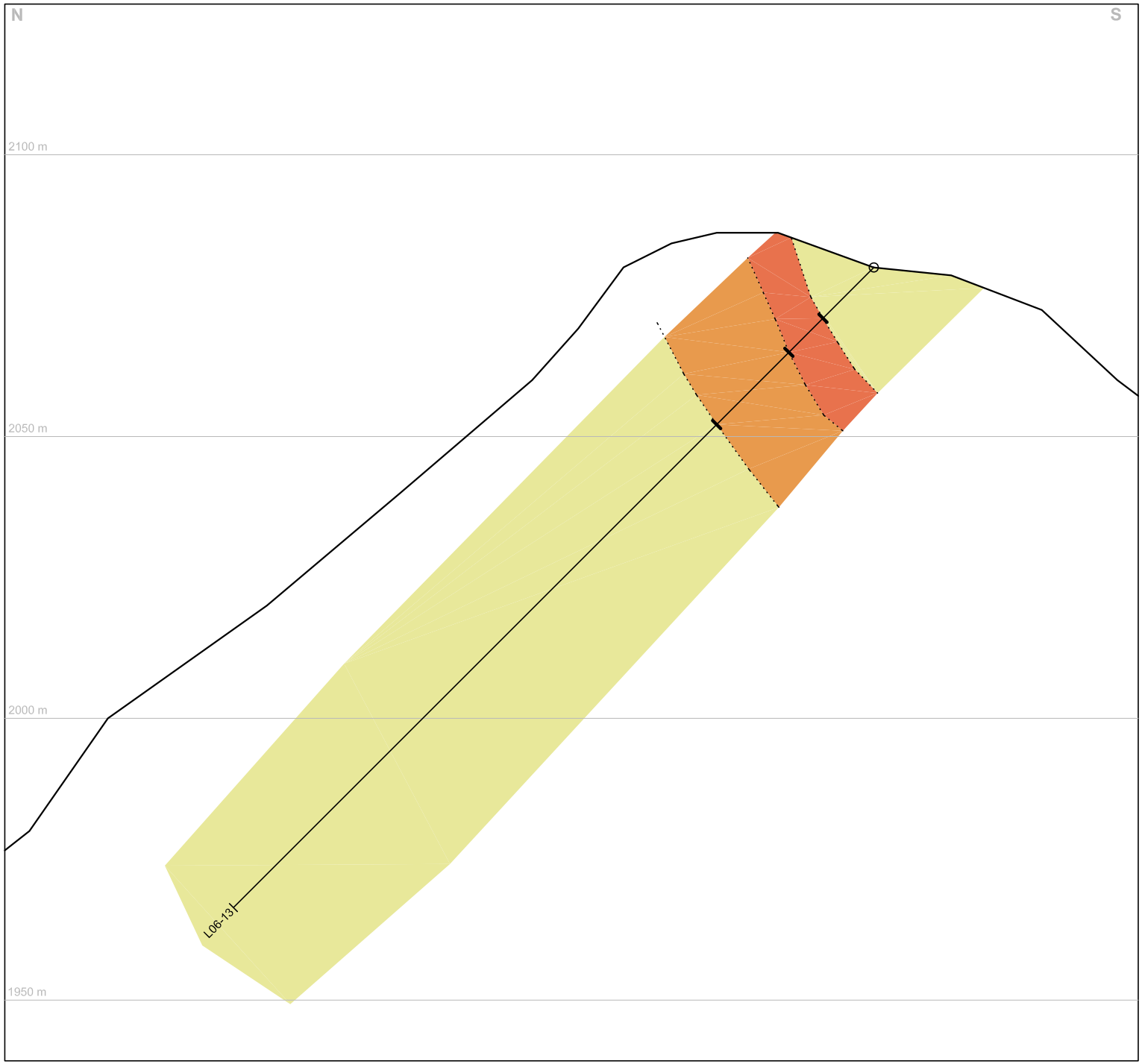
SECTION F
JACK FLASH ZONE
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F15-JF F.DWG

DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

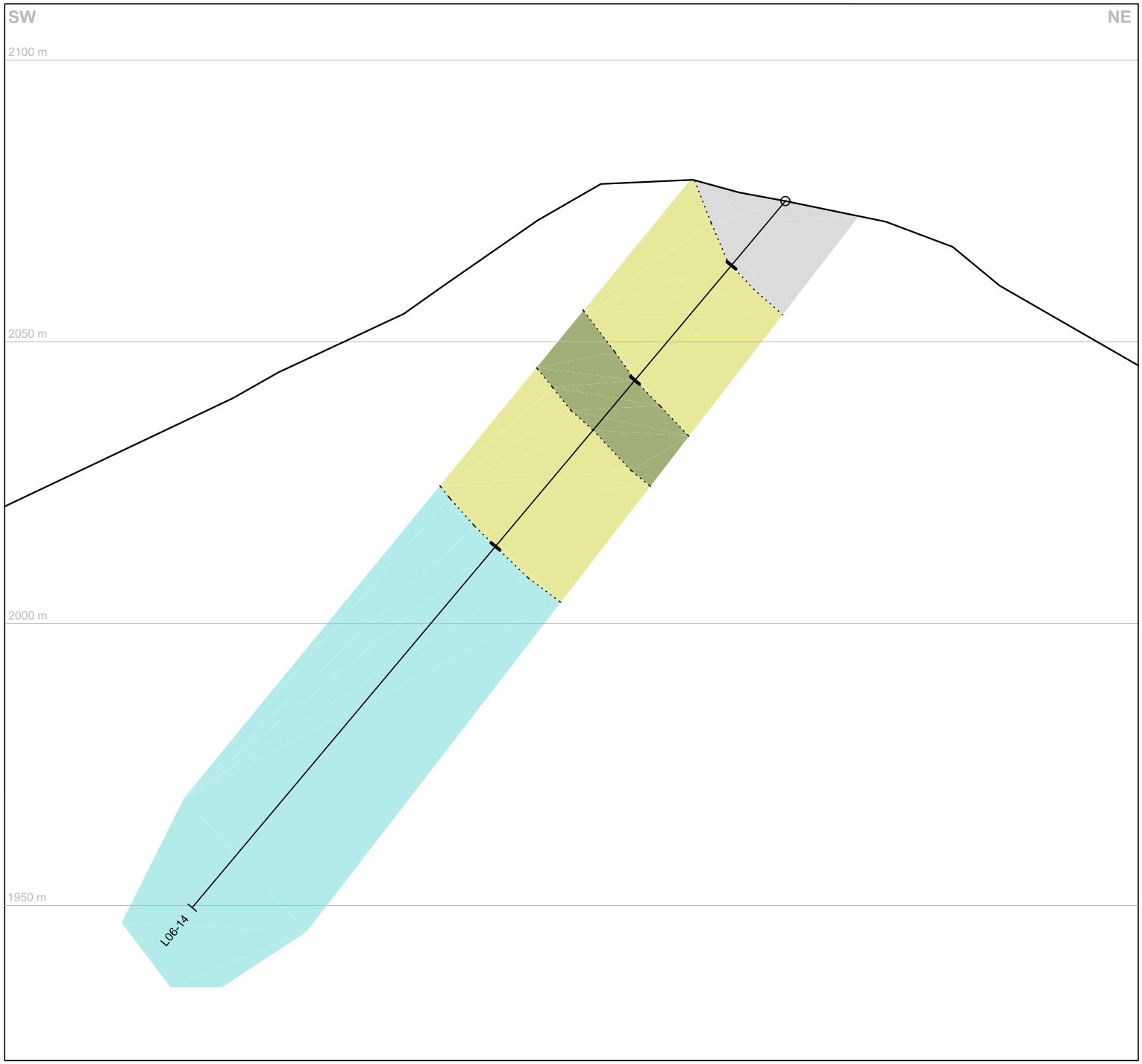
SECTION G
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F16-JF G.DWG

DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
Interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 17

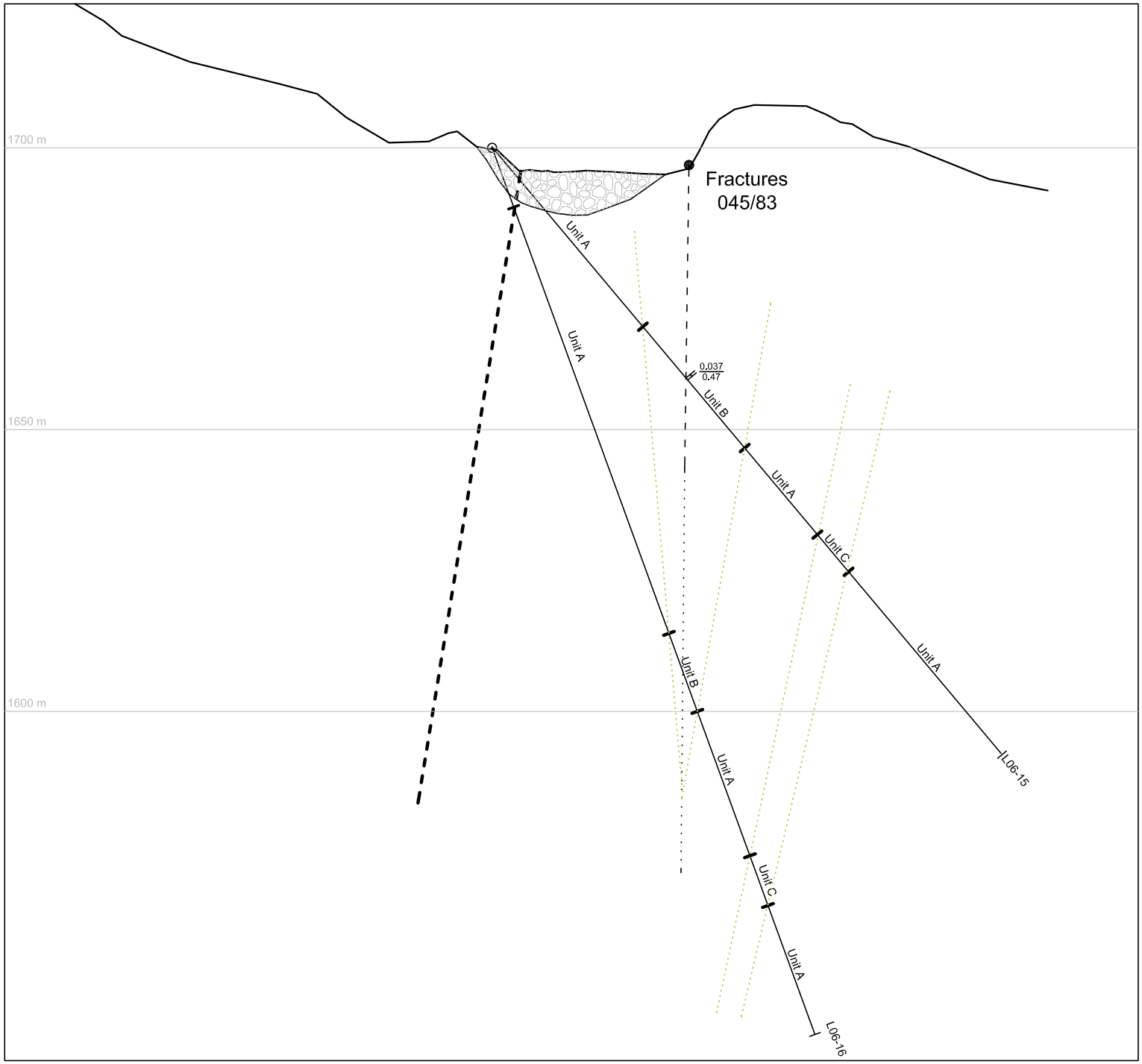
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SECTION H
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F17-JF H.DWG | DATE: FEBRUARY 2007



Geology

- A — Grey, weakly to moderately brecciated, altered siltstone
- B — Unbrecciated, dolomitized siltstone
- C — Grey-pink, hematitic breccia, gradational contact with above

Contact

assay interval
%U3O8
Interval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

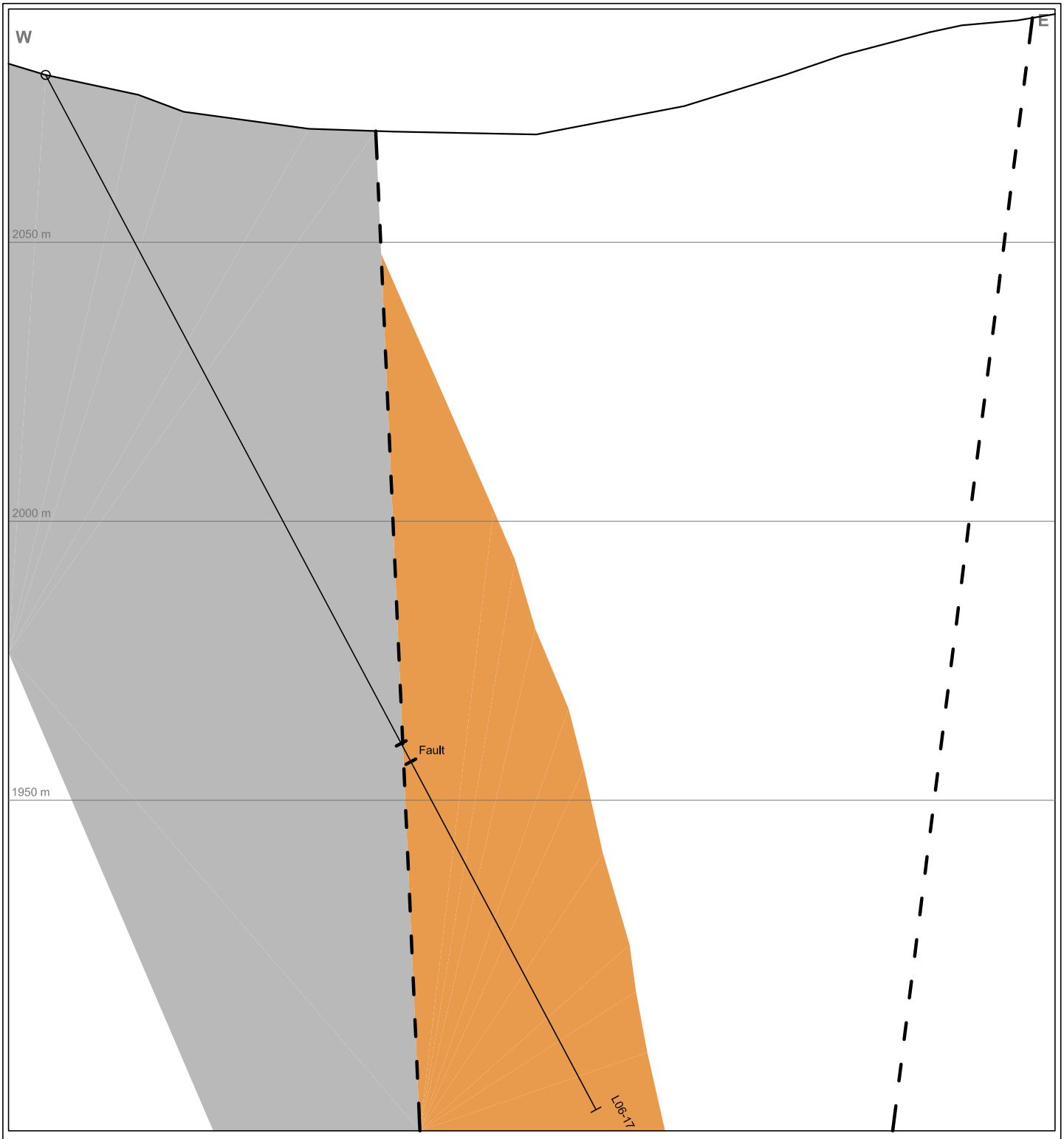
SECTION I

JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F18-JF I.DWG | DATE: FEBRUARY 2007



Geology

- Unbrecciated, dolomitized siltstone
- Olive green and pink-grey, altered breccia
- Grey-pink, hematitic breccia, gradational contact with above
- Grey, weakly to moderately brecciated, altered siltstone
- White to red intensly silicified siltstone
- Grey, weakly to moderately silicified siltstone
- White to tan, fine grained quartz arenite
- Quartet Group - black, pyritic slate

Contact

assay interval
%U3O8
intrrval (m)

Diamond drill hole

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 19

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SECTION J
JACK FLASH SHOWING
LUMINA PROPERTY

0 50 m

UTM ZONE 8W, NAD 83, 106C14

FILE: ...2006/YUP/LUMINA/F19-JF J.DWG | DATE: FEBRUARY 2007

(approximately 2300 m with 600 m of vertical lift) and multiple relay pumps were required to reach the drill area atop the ridge. Drilling at the Ram Showing tested for north dipping faults beneath the Ram 1 and 2 exposures, which drilling in 2005 did not explore. Drill data for all holes is listed in Table II.

Table II: Drill Data

Hole	Easting	Northing	Elevation	Azimuth	Angle	Depth (m)
L06-01	580176	7204142	2099	006°	-41.5°	89.00
L06-02	580176	7204142	2099	000°	-41.5°	82.90
L06-03	580176	7204142	2099	000°	-45°	82.29
L06-04	580176	7204142	2099	000°	-55°	85.34
L06-05	580176	7204142	2099	000°	-65°	117.96
L06-06	580176	7204142	2099	000°	-80°	93.88
L06-07	580176	7204142	2099	330°	-45°	100.28
L06-08	580176	7204142	2099	330°	-60°	121.00
L06-09	580176	7204142	2099	310°	-50°	124.05
L06-10	580176	7204142	2099	030°	-50°	72.24
L06-11	580078	7204104	2080	020°	-45°	151.49
L06-12	580078	7204104	2080	040°	-45°	153.00
L06-13	580078	7204104	2080	350°	-45°	160.43
L06-14	580178	7204088	2082	050°	-50°	163.47
L06-15	579905	7203552	1700	120°	-50°	140.51
L06-16	579905	7203552	1700	120°	-70°	167.64
L06-17	579911	7204195	2078	110°	-62°	210.05
L06-18	580178	7204088	2082	000°	-55°	147.01
L06-19	580178	7204088	2082	000°	-75°	93.46
R06-1	580756	7208682	1213	285°	-50°	91.44
R06-2	580756	7208682	1213	332°	-50°	91.44
R06-3	580756	7208682	1213	020°	-50°	64.01

Results

Drilling at the Jack Flash Showing produced a number of radioactive intersections within what appears to be a southwesterly dipping package of brecciated sediments. Most radioactive rocks are located at or near the boundary between bleached (oxidized?) breccia and overlying unbleached (reduced?) breccias. The strongest radioactivity is often immediately above this contact where pitchblende is found along fractures and within the matrices of brecciated unbleached sediments. A narrow zone of weaker mineralization was intersected in some holes within the unbleached sediments closer to surface. Because several of the holes were drilled from the same pad, there is little separation between them where they cross the upper zone and, therefore, this interval was not sampled in every hole.

Significant assays results are summarized in Table III. The best intersection came from the lower zone in hole L06-07. It graded 0.189% U_3O_8 over 29.43 m which includes 8.10% U_3O_8 over 0.30 m. Several other intersections from the lower zone returned greater than 0.04% U_3O_8

over more than 10 m. The upper zone yielded weaker results with the best assays coming from an interval in hole L06-07 that averaged 0.037% over 13.60 m.

Table III: Significant Diamond Drill Hole Intervals

Hole	From (m)	To (m)	Interval (m)	$\%U_3O_8$
L06-01	12.60	33.75	21.15	0.014
L06-01	57.83	75.35	17.52	0.043
L06-02	11.28	14.33	3.05	0.035
L06-02	29.57	36.00	6.43	0.023
L06-02	58.85	75.29	16.44	0.140
Incl.	60.85	63.84	2.99	0.324
And	73.63	75.29	1.66	0.413
L06-03	27.71	29.77	2.06	0.028
L06-03	60.05	82.29	22.24	0.048
Incl.	60.05	62.89	2.84	0.106
L06-04	53.53	78.33	24.80	0.076
Incl.	53.53	55.75	2.22	0.533
L06-05	21.66	24.07	2.41	0.014
L06-05	56.22	64.37	8.15	0.030
L06-06	16.68	19.70	3.02	0.015
L06-06	66.45	68.45	2.00	0.078
L06-07	23.47	37.07	13.60	0.037
Incl.	32.12	35.02	2.90	0.066
L06-07	57.09	86.52	29.43	0.189
Incl.	61.09	69.09	8.00	0.242
And	70.03	70.33	0.30	8.100
L06-08	41.76	44.80	3.04	0.025
L06-08	50.90	59.58	8.68	0.029
L06-08	68.61	89.92	21.31	0.035
Incl.	71.62	76.74	5.12	0.090
L06-09	26.52	29.57	8.84	0.018
L06-09	44.81	47.85	3.04	0.021
L06-09	74.91	96.62	21.71	0.030
Incl.	82.95	84.43	1.48	0.161
L06-10	53.95	57.00	3.05	0.032
L06-11	124.05	126.20	2.15	0.287
L06-11	133.58	134.72	1.14	0.081
L06-15	53.59	54.06	0.47	0.037
L06-16	63.45	134.72	1.14	0.003
L06-18	53.95	55.00	1.05	0.030
L06-19	63.51	66.14	2.63	0.027

Although drilling intersected minor fracture filling chalcopyrite, pyrite and erytherite, the pitchblende does not appear to be directly related to any other mineral. Peak values for other

elements in drill core include 9.7 g/t silver, 7370 ppm arsenic, 6250 ppm cobalt, 1.01% copper and 1450 ppm molybdenum.

Most holes at the Jack Flash Showing cut a succession of fractured and brecciated sediments (Figures 10 to 17) comprising from top to bottom: grey, weakly to moderately brecciated siltstone (Unit F3); olive green, bleached breccia (Unit F2a); grey-pink, hematitic breccia (Unit F2b); and unbrecciated, dolomitized siltstone (Unit F1). To the west, white to red intensely silicified siltstone (Unit F4a), and weak to moderate silicified siltstone (Unit F4b) appears to cap the fractured and brecciated sediments. To the south, Unit F4 is absent and a white, fine grained quartz arenite (Unit F5) overlies Unit F3. Units F1 through F4 are texturally similar and are separated by gradational contacts, suggesting they represent alteration rather than stratigraphic changes. Specular hematite is primarily seen in Unit F2b but it is sometimes present in the other units in trace amounts. Clasts within Unit F2a appear to be deformed and elongated in holes L06-18 and L06-19.

Hole L06-15 and L06-16 were drilled approximately 700 m downhill to the south of the Jack Flash Showing (Figure 18). They intersected Unit F3 with narrow beds (bands?) resembling the alteration units described above. Specular hematite was significantly more abundant in these holes than was seen elsewhere. These holes tested downdip from a pitchblende bearing fracture and explored beneath a talus filled gully that is believed to mark a large fault. Although they encountered weak fracture mineralization, they did not cut the fault. They may have collared in front of the fault or cased through it.

Hole L06-17 was collared near the ridge crest on the west side of a large north trending fault within black, unaltered pyritic Quartet Group slate. This hole bottomed in silicified siltstone (Unit F4b) after passing through a 3.70 m wide broken and gougy fault zone. The fault was not radioactive and unfortunately the hole was lost before it reached the projection of the uraniferous horizons identified in earlier drill holes.

The three drill holes at the Ram Showing all intersected siltstone before crossing into Wernecke Breccia (Figure 20). A number of narrow fault zones with varying amounts of limonite+carbonate+clay alteration were intersected in the last half of the hole R06-1 but no uranium mineralization was encountered in any of the 2006 holes at the Ram Zone.

DISCUSSION AND CONCLUSIONS

Diamond drilling at the Jack Flash Showing in 2006 intersected stratabound uranium mineralization in what appears to be a redox interface developed where unaltered siltstone overlies a sequence of variably altered siltstone. Near the outcropping showing the mineralized succession appears to have a shallow southwest dip; however, as drilling moved away from the discovery area, the mineralization appears to weaken and the stratigraphic succession is less predictable.

The uranium mineralization occurs in fractures and matrices of breccia. Its abundance appears to be directly correlated to the amount of open space available. Grades are generally highest near the contact between the bleached (oxidized?) horizon (Unit F2a) and the overlying unaltered

(reduced?) siltstone (Unit F3). Rock types and mineralization intersected by diamond drilling are similar to some of the boulders found on the float train. However, none of the holes encountered rocks that resemble the strongly radioactive chloritized dark grey-green siltstone boulders, implying that the source of these boulders has not yet been discovered. Some of the chloritized radioactive boulders exhibit slickensides suggesting they come from fault zones that could be feeder zones to the stratabound mineralization. Detailed structural mapping is recommended at the Jack Flash Showing before more diamond drilling is done.

While mapping and prospecting at the Ram Showing have discovered uraniferous zones, diamond drilling has failed to trace these zones to depth. The 2005 and 2006 diamond drilling at the Ram Showing has effectively eliminated the possibility of significant mineralization along steeply dipping structures with east-west or north-south strikes; however, there remains a chance that a mineralized zone could dip less than 50° towards the north. A detailed radiometric survey should be conducted over the Ram Showing in conjunction with trenching between and along strike from the Ram 1 and Ram 2 exposures. Pending favourable results, additional drilling should be done.

Approximately 100 individual radiometric anomalies were identified elsewhere on the Lumina property by the airborne radiometric survey. The highest concentration of radioactive anomalies is located near the core of the property where they to form three parallel, 300 to 600 m wide northwest trending corridors. Each of these radiometric anomalies should be examined and attempted to trace them to a bedrock source.

Respectfully submitted,

Archer, Cathro & Associates (1981) Limited

Matthew R. Dumala, B.A.Sc., EIT

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Matthew R. Dumala, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 2002 with a B.A.Sc in Geological Engineering, Option l, mineral and fuel exploration.

2. I am registered as an Engineer in Training in the Province of British Columbia.

3. From 2003 to present, I have been actively engaged in mineral exploration in the Yukon Territory.

4. I have personally participated in the fieldwork reported herein.

Matthew R. Dumala, B.A.Sc., EIT

APPENDIX II

GEOPHYSICAL REPORTS

SUMMARY

McPhar Geosurveys Ltd conducted an airborne geophysical survey on the Wernecke Mountain Properties, Yukon, on behalf of Archer, Cathro and Associates, Vancouver, BC.

The project areas were located approximately 180 km northeast of the town 'Mayo' and was flown using a helicopter equipped with a high-resolution radiometric system.

The McPhar crew was in the Lumina camp survey area on August 31, 2006. Instrument calibration flights for spectrometer cosmic stripping coefficients, background effect and radar altimeter calibration (radar stack) were completed on September, 01, 2006, as well as the first two production flights. A total of 1,748 line-kilometres or 179 square kilometres were flown. The survey area was flown with a mean terrain clearance of 50 metres. Flight lines were flown at 90° with spacing of 100 metres.

1. INTRODUCTION

A detailed high-resolution helicopter-borne radiometric survey was conducted during the period between August 31, 2006 to September 15, 2006 on behalf of Archer, Cathro & Associates (1981) Limited, ("Archer") by McPhar Geosurveys Ltd, ("McPhar"), over a portion of the Wernecke Mountains, Yukon.

The purpose of the survey was to acquire high-resolution geophysical data to map the geophysical characteristics of the geology and structure in an effort to provide an insight into geological and geophysical settings.

The geophysical system was mounted in the cabin of a Eurocopter AS-350B2 helicopter. Data acquisition utilized precision differential GPS positioning and a Pico-Envirotec GRS-410 multi-channel gamma-ray spectrometer. This instrument has a 16.8 litres "downward looking" NaI sensor mounted in the cabin inside the side of the helicopter. Ancillary equipment included a differential GPS navigation and positioning system, barometric pressure transducer, temperature and relative humidity probe and a radar altimeter.

Originally the survey area comprised of four separate blocks in the contract. The area known as 'Pay' was unable to be completed due to the presence of substantial snow. So three survey blocks were completed known as "Lumina", "Bonnie/Coma" and "Bond/Vic". The survey lines were flown in an east-west direction (90°) at spacing of 100 metres. The survey comprised a total of 1,748 line kilometres of data acquisition.

Table 1: Survey Areas Description

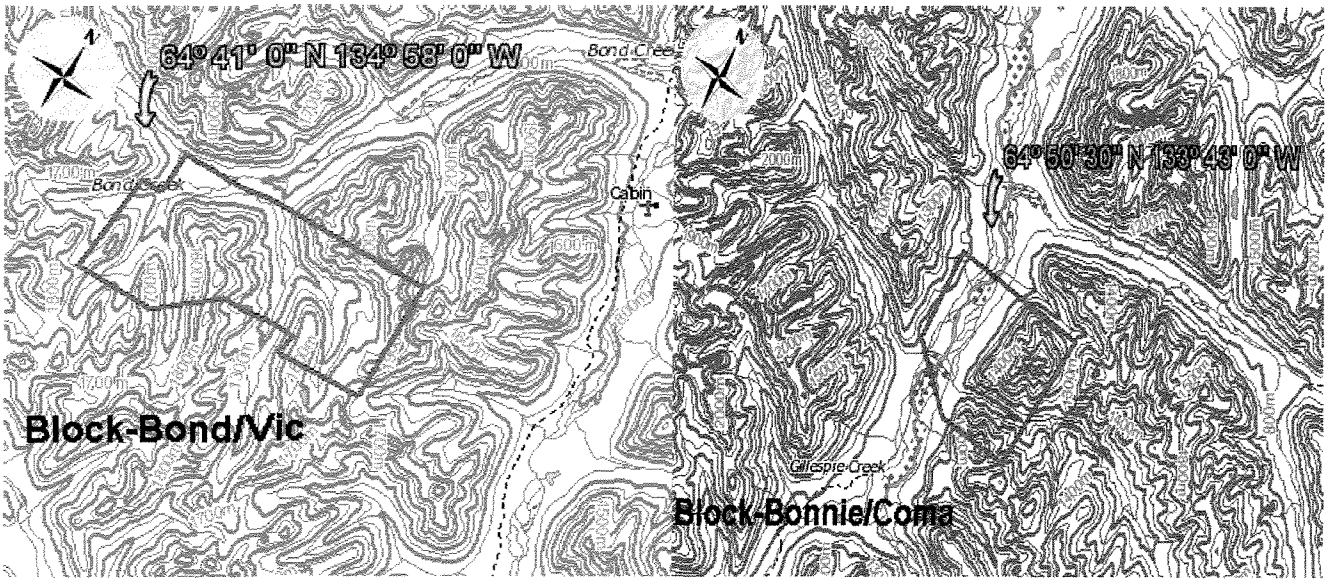
AREA NAME	APPROX AREA KM²	LINE SPACING	FLIGHT LINE-KM	PRIMARY FLIGHT DIRECTIONS
Lumina	123	100m	1,178	090°
Bonnie/Coma	19	100m	194	090°
Bond/Vic	37	100m	376	090°
Totals	**179**		**1,748**	

Mobilization of the helicopter, equipment and personnel to Whitehorse, Yukon was completed on August, 2006 and final settlement in the Archer, Cathro 'Lumina' camp occurred on August 31, 2006, when fuel and accommodations were established. Pre-survey test and calibration flights for spectrometer cosmic stripping coefficients, aircraft background and for radar altimeter calibration (radar stack) were completed August 11, 2006. The final survey flight was completed on Sept 15, 2006.

Final data processing, map compilation and a report were completed by McPhar at its Newmarket, Ontario office.

2. SURVEY AREAS

The survey consisted of 3 irregular shaped blocks, identified by Archer, Cathro as 'Lumina', 'Bonnie/Coma' and 'Bond/Vic'. These blocks are situated 30 km southeast of Copper point camp and approximately 180 km northeast of the town of Mayo. The primary objective of the survey was to acquire geophysical data in support of uranium exploration.



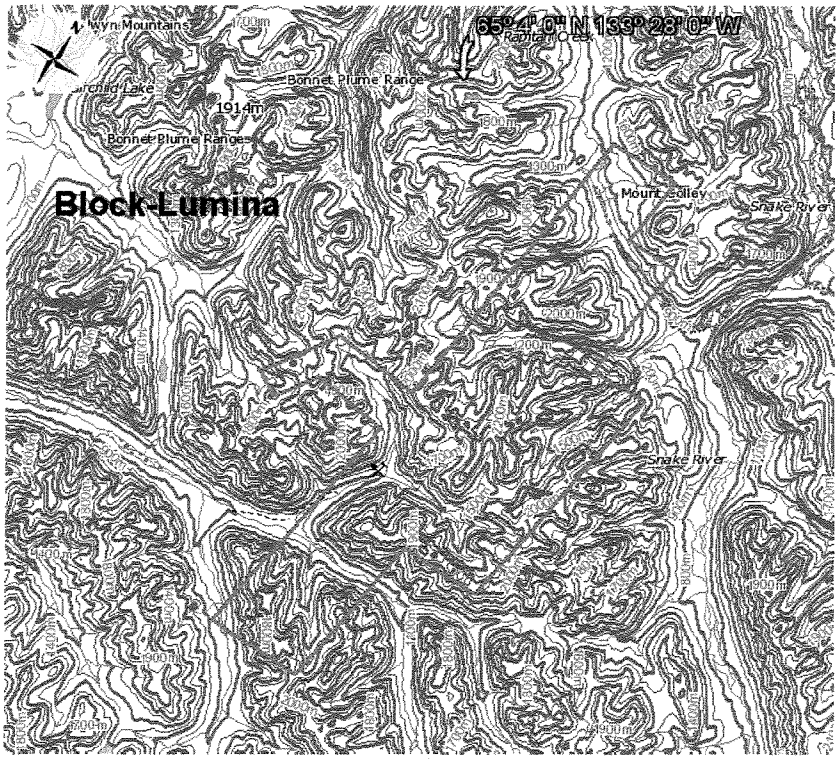


Figure 1: Location of the flown radiometric survey blocks, Yukon.

Figure 2: Typical survey topography, Yukon.

The elevation ranged from approximately 915 metres to over 2400 metres above sea level. Weather conditions were generally favourable, however some 'standby' days were incurred where survey flying was impossible as fog, rain and low ceiling prevailed. Temperatures varied from 5 to 18 degrees Celsius.

Archer, Cathro provided the survey block corner coordinates, in easting and northing. Projections were converted to WGS84, UTM zone 08 N. The geographic location and corner coordinates follows.

Table 2: Survey Area Coordinates

Lumina		Bond/Vic		Bonnie/Coma	
X	Y	X	Y	X	Y
578935	7215310	512710	7172985	561221	7190665
578935	7203885	503290	7172985	565300	7190665
575135	7203885	503290	7171625	565300	7185350
572540	7200675	502315	7171625	563320	7185350
573295	7200030	502315	7168725	561469	7187210
574960	7201970	505372	7168725	561221	7190665
578935	7201970	506658	7169810		
578935	7191500	510575	7169810		
582330	7191500	510575	7169260		
582325	7200620	512710	7169260		
586070	7200620	512710	7172985		
586070	7207230				
584070	7207230				
584070	7211750				
582065	7211750				
582065	7215310				
578935	7215310				

3. SURVEY OPERATIONS

3.1 Operations Base

Survey operations were based from the Archer, Cathro camp inside the 'Lumina' survey block, with daily pre/post flight calibrations performed at the cleared helipad, located adjacent to the camp and the dirt airstrip.

Figure 3: The Lumina camp at survey area.

All quality control and preliminary data processing were performed at the camp.

3.2 Survey Conditions

Of the time spent at the Lumina camp, weather prevented survey production on two occasions. Fog and rain nestled inside the hills surrounding the camp and completely capped the peaks of the survey blocks in the area. When weather conditions were fair, production was obtained. The average temperature over the course of the survey was approximately 11°C.

The topography of the survey area is rugged, consisting of steep mountain slopes and incised river valleys. The presence of snow in the hills of the 'Pay' survey block prevented it from being flown. Of the original 1,885 km scheduled, this area represented 77 km. Also 14 lines of the 'Lumina' block were omitted for being 'too densely snow covered'.

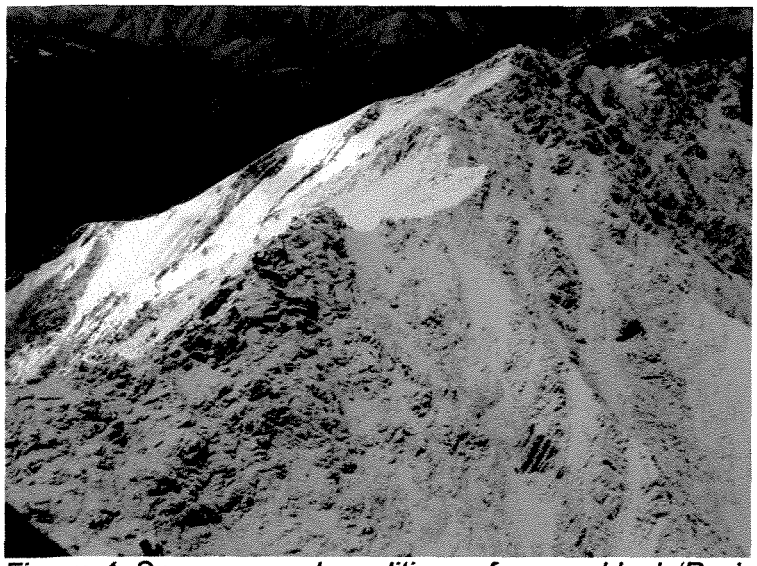


Figure 4: Snow covered conditions of survey block 'Pay'

3.3 Navigation

An air speed of approximately 110 kilometres per hour was maintained during data acquisition. The sampling rate for the spectrometer, radar, barometric altimeters and GPS navigation/positioning system was one measurement every 1.0 second. This resulted in spectrometric spatial sampling and position fixes every 41 metres along the flight path.

Navigation was assisted by a GPS receiver system that reported real-time differentially corrected GPS co-ordinates in WGS-84 latitude and longitude, directing the pilot over a pre-programmed two-dimensional (2-D) survey grid. The x-y position and ellipsoidal altitude of the aircraft, as reported by the GPS system, was recorded together with the terrain clearance, as reported by the radar altimeter. The coordinates of the survey area were submitted as NAD83 then transformed into WGS84, UTM zone 08N coordinates for purposes of navigation.

Vertical navigation along flight lines was effectively controlled through the use of a radar altimeter. The optimum terrain clearance during normal survey flying was 50 metres for the helicopter. However, due to rugged terrain in some areas, and the pilot's judgment of safe flying conditions in these areas, these terrain clearances were not possible 100% of the time.

The final vertical and horizontal survey positions as obtained with onboard real time differentially corrected GPS had a precision of approximately +/- 1.5 metre.

3.4 Field Processing & Quality Control

The survey data was transferred to portable magnetic media on a flight-by-flight basis, and then copied to the field data processing workstation. In-field data processing included reduction of the data to GEOSOFT GDB database format and inspection of the data for adherence to contract specifications. Survey lines that exhibited excessive deviation or that were considered to be of inferior quality were designated to be reflown.

3.5 Survey Statistics and Project Diary

The survey was completed with a total of 30 flights; of which 29 were production flights. The first production flight was Flt# 02 on September 01, 2006, and the last production flight, Flt# 30 on September 15, 2006.

Table 3: Project Diary

Date	Flt #	Hour's Flown	Line-Km Accepted	Comments
August 31	1	2.3		Crew mobilized by helicopter with equipment from Whitehorse to Lumina Camp.
September 01	2 & 3	3.9	115.3	Poor weather in the morning. Afternoon two production flights at Lumina block
September 02				Poor weather, standby day
September 03	4, 5 & 6	5.8	238.8	Three production flights at Lumina block
September 04	7	2.3	64.2	Poor weather in the morning, afternoon short production flight at Lumina block
September 05	8 & 9	4.7	158.6	Two production flights at Lumina block
September 06	10, 11, 12 & 13	7.7	259	Flt# 10 was Test and Calibration flight. Remaining three were production flights at Lumina block
September 07	14 & 15	4.5	58.8	Flt# 14 comprised production and reflight lines Flt# 15 contains partial reflight lines and Tests over Fairchild Lake
September 08				Helicopter maintenance
September 09	16	1.8	51.1	Switch the helicopter Short production flight at Bonnie/Coma block
September 10	17, 18 & 19	7.5	180.9	Three production flights at Lumina block
September 11				Poor weather, standby day
September 12	20, 21 & 22	7.1	205.5	Three production flights at Lumina and Bond/Vic blocks
September 13	23, 24, 25 & 26	8.3	277.2	Four production flights, finished the Bond/Vic block and started the Bonnie/Coma block
September 14	27, 28 & 29	7.6	253.6	Three production flights. Completed all blocks including reflight lines
September 15	30	3.1		Ferry to Mayo and then Whitehorse. Demoblization
Totals		**66.6**	**1,863**	

- Total are inclusive 115 line-kms of reflights

Title	Name	Days Onsite
Project Manager/QA/QC	Adam Barrett	16
Operator	Adam Barrett	16
Helicopter Pilots	Doug Hladun	16

Table 4: Field Personnel

McPhar Geosurveys Ltd. of Newmarket, Ontario, Canada, was responsible for the field operations, all geophysical matters and the overall coordination and management of the survey.

4. HELICOPTER AND EQUIPMENT

4.1 The Helicopters

The survey was flown using two Eurocopter AS-350B2 A-Star model helicopters, with Canadian registration C-GTNU & C-GTNT provided by TransNorth Helicopters, Yukon. These helicopters featured up to 2.5 hours flight duration with the geophysical system and a crew of 2 persons onboard.

McPhar personnel, at the TransNorth base in Whitehorse, Yukon, did the installation of the geophysical and ancillary equipment. Final adjustments, calibration and testing were completed prior to production survey flights originating at the Lumina base camp.

Figure 5: Helicopter C-GTNU fuelling at Lumina camp

Figure 6: Helicopter C-GTNT fuelling at Lumina camp

Table5: Survey Helicopters Specifications

Helicopter Model	Eurocopter AS-350 B2
Registration	C-GTNU
Engine	Turbomeca Arriel 1D1 - 732 shp
Gross Weight	4,991 lb
Empty Weight	2,561 lb
Useful Load	3,530 lb
Useful Fuel Capacity	143 gal /540 liters
Cargo-swing Load	2,557 lb / 1.160 kg
Typical Survey Speeds	45 – 60 knots/ 80 – 120 kph
Survey Fuel Consumption	47 gal/hour / 180 litres/hour
Flight Duration (no reserves)	3 hours
Cruise Speed - Ferry	122 knots
Cruise Range	371 nm / 688 km
Maximum Operating Altitude	18,700 ft / 5,700 m
H.I.G.E. (ISA)	13,450 ft / 4,100 m
H.O.G.E. (ISA)	11,300 ft / 3,450 m
Climb Performance	1,950 ft min / 594 m / min
Power Available for Equipment (28 VDC)	150 amps

4.2 The Survey Instrumentation

4.2.1 Survey System Overview

The equipment installed in the helicopter included:

- A Pico-Envirotec GRS-410 self-stabilizing multi-channel gamma-ray spectrometer with 16.8 litres "downward looking" NaI sensor.
- A navigation system, comprising an CSI Wireless DGPS-MAX and a Pico-Envirotec AGNAV GPS computer with pilot guidance unit (PGU)
- A SETRA model-276 digital barometric altimeter/pressure transducer
- A Campbell Scientific Model-CS500 Temperature and Relative Humidity Probe
- Pico-Envirotec AGIS Data Acquisition System
- A Terra TRA-3000/TRI-30 Radar Altimeter

The processing and base stations included:

- A Field Workstation, consisting of a portable Pentium PC, printer and full data processing software

4.2.2 Gamma-ray Spectrometer System

The gamma ray system included a Pico-Envirotec GRS-410 multi-channel gamma-ray spectrometer with 16.8 litres of "downward looking" NaI sensor with sampling rate of 1 measurement per second. The thermally insulated NaI crystal sensors were installed inside the cabin of the helicopter.

The GRS-410 is a 512 channel, self-stabilizing spectrometer that tracks and corrects for the spectral drift of the system by following a thorium spectral peak. Standard regions of interest for Total Count (TC), potassium (K), uranium (U), thorium (Th) and cosmic radiation were recorded for post survey processing. The averages recorded with window limits in MeV are shown in the following table:

Table 6: Standard Gamma-ray Spectrometer Data Acquisition Windows

Standard Gamma-ray Spectrometer Data Acquisition Windows		
Element	Lower Boundary (MeV)	Upper Boundary (MeV)
Total Count	0.41	2.81
Potassium	1.37	1.57
Uranium	1.66	1.86
Thorium	2.41	2.81
Cosmic	3.00	∞

Recommendations in the International Atomic Energy Agency – IAEA – TECDOC-1363 – *Guidelines for radioelement mapping using gamma ray spectrometry* were followed throughout the survey.

Gamma-ray spectrometer specifications are further described in Appendix 2.

4.2.3 Altimeter

A Terra TRA-3000/TRI-30 radar altimeter was used to record terrain clearance to an accuracy of about 1 ft (30 cm), over a range of 12 metres to 762 metres. The antenna was mounted beneath the bubble of the helicopter cockpit.The altimeter was interfaced to the data acquisition system with an output repetition rate of 0.1 second, and digitally recorded.

A Setra model 276 Barometric Altimeter was utilized to measure height above sea level and barometric pressure changes. The barometric pressure transducer was connected directly to the data acquisition system with an output repetition rate of 1 second, and digitally recorded. The barometric altimeter has a resolution of approximately 30 cm (1 ft) and an accuracy of +/-0.02% full scale at 70°F (19°C).

System specifications are further described in Appendix 2.

4.2.4 Outside Air Temperature System

A Campbell Scientific CS500 Temperature & Relative Humidity Probe was used to record outside air temperature and humidity. The probe was attached to a GRS-410 gamma ray sensor housing.

System specifications are further described in Appendix 2.

4.2.5 The GPS Satellite Navigation/Positioning System

A CSI-Wireless DGPS-MAX GPS receiver input to a Pico-Envirotec AGNAV navigation computer and pilot steering indicator (PGU) provided in-flight real-time navigation control. Mounted on top of the cockpit dashboard, in front of the pilot, it provided steering and cross-track guidance in conjunction with GPS and altimeter data.

This navigation system yielded a real-time positional accuracy of better than ± 2 metre.

Survey co-ordinates were set-up prior to commencement of the survey, the information fed into the airborne navigation system. The co-ordinate system employed in the survey design and digital recording was WGS-84 latitude and longitude. The real time differentially corrected GPS positional data was recorded at one-second intervals.

The GPS receiver is fully described in Appendix 2.

4.2.6 Data Acquisition/Recording System

A PC-based Pico-Envirotec AGIS data acquisition system was used to record the geophysical and ancillary survey data on an internal hard disk drive and comprised of a pilot guidance colour display. Data is displayed on an LCD screen as traces allowing the operator to monitor the integrity of the system. The system records temperature, barometric pressure and humidity by itself using

The Pico-Envirotec AGIS provides for the:

- System control and monitoring
- Data acquisition recording
- Real-time data processing
- Navigation processing, and
- Post flight data playback and analysis

All data collection routines, checking and verification, buffering and recording are software controlled for maximum flexibility both during and after the survey flight. The Pico-Envirotec AGIS is fully described in Appendix 2.

4.2.7 Field Computer Workstations

A Data Processing Field Workstation (FWS) was used on this project, comprising of a dedicated PC-based notebook computer for use at the technical base in the field. The FWS is designed for use with Geosoft OASIS Montaj Data Processing Software. The FWS has a data replot capability, and may be used to produce pseudo-analogue charts from the recorded digital data within less than 12 hours after the completion of a survey flight, if necessary. It is also capable of processing and imaging all the geophysical and navigation data acquired during the survey, producing semi-final, preliminary-levelled maps.

The FWS was used to accomplish the following:

- **Quality Control/Digital Data Verification** - flight data quality and completeness were assured by both statistical and graphical means on a daily basis
- **Flight Path Plots** - flight path plots were generated from the GPS satellite data to verify the completeness and accuracy of each day's flying
- **Preliminary Maps** - the Geosoft software system permitted preliminary maps to be quickly and efficiently created for noise and coherency checks.

The Montaj software is designed for airborne data editing, compilation, processing and plotting. The software reads the portable data media from the airborne system checks them for gaps, spikes or other defects and permits the data to be edited where necessary. GPS flight path plots are created and plotted for both flight planning and flight path verification.

4.2.8 Spares

A normal compliment of spare parts, tools, back-up software, and necessary test instrumentation was available at the field office.

5. INSTRUMENT CHECKS AND CALIBRATIONS

5.1 Airborne Gamma-ray Spectrometer System Tests and Calibrations

All gamma-ray spectrometer system tests and calibrations were carried out according to the standard procedures following the recommendations of
IAEA-TECDOC-1363 - Guidelines for radioelement mapping using gamma ray spectrometry data,
IAEA-TECDOC-323 – Airborne Gamma Ray Spectrometer Surveying,
GSC-TECPAEPER 90-23 – Transportable Calibration Pads for Ground and Airborne Gamma Ray Spectrometers

5.1.1 Spectrometer Calibration on Transportable Pads – Stripping Ratios

The stripping ratios for the gamma-ray spectrometer were determined as a part of seasonal calibration prior to the survey on July 18, 2006 using the Pico Envirotec calibration pads. These pads are stored at the Holland Landing Airpark nearby Newmarket, Ontario. The tests were performed with the crystal box placed on U, Th, K and background pads and data recorded over a minimum of 10 minutes for each pad.

The results of this calibration are included in Appendix 1.

5.1.2 Altitude Attenuation Coefficient

The exponential altitude attenuation coefficients were derived from test flights completed on September 07, 2006 in the survey area and on September 26, 2006 at the Holland Landing Airpark, Newmarket. This was accomplished by flying a test line at various altitudes of approximately 50, 100, 150, 200, 250 and 300 feet. A series of background measurements were made at the same time and same altitudes over the water body to determine the background due to cosmic radiation, radon decay products in the air and the radioactivity of the aircraft and equipment.

The closure altitude attenuation coefficients of this calibration are included in Appendix 1.

5.1.3 Spectrometer System Sensitivity

Sensitivity coefficients were determined during the post-survey seasonal test by hovering at different altitudes over McPhar's calibration spot at Holland Landing Airpark, Ontario on September 26, 2006. A series of background measurements were made at the same time at different altitudes over Lake Simcoe. These were to determine the background due to cosmic radiation, radon decay products in the air and the radioactivity of the aircraft.

The test flights served to determine system sensitivities through comparison of airborne data with data acquired on the ground, and to determine the variation of the window counts with aircraft altitude. The ground measurements were made with an Exploranium portable gamma ray spectrometer by the Geological Survey of Canada. Measurements were acquired at 37 stations along 2 diagonal lines crossing the 300 x 300 m calibration spot. Measurements were also made with the portable spectrometer on the lake located near Holland Landing to determine background radiation due to

cosmic radiation, radon decay products in the air and any radioactivity of the equipment. The background was subtracted from the ground measurements. Next ground concentrations of potassium, uranium and thorium were determined by calibration of the portable spectrometer using the Pico Envirotec calibration pads located at Holland Landing Airport.

The sensitivities of the airborne system to potassium, equivalent uranium, and equivalent thorium were calculated by dividing the average count rates corrected to an effective height of 50 m above ground by the ground concentrations of the test spot.

The results of this calibration are included in Appendix 1.

5.1.4 Cosmic Stripping and Aircraft Background

Cosmic stripping coefficients and aircraft background for K, U, Th & TC windows were measured and calculated for the detector crystal packs prior to the survey on August 11, 2006 near Copper point camp and during the survey on September 07, 2006 over Fairchild Lake, Yukon. The coefficients were calculated from a sequence of passes flown at various high altitudes above the ground (approximately 1532, 1843, 2154, 2465, 2772 & 3083 metres and 1528, 1836, 2143, 2443, 2749, & 3051 metres respectively). Each altitude was flown for a minimum of 2 minutes.

Coefficients were determined by linear regression of cosmic counts versus each spectral window (TC, K, Th and U) as described in the IAEA Report 323 (1991).

The results of the calibration are presented in Appendix 1.

5.1.5 Radon Background

No self-sustaining test or calibrations for radon background were made. The radon background was removed using the 'Full Spectrum' method analyzing the survey and test line data.

5.1.6 Test Line

A test line was flown and recorded at survey altitude at the start and end of each survey day to test the repeatability of the gamma-ray spectrometer system and to monitor the effects of soil moisture. The statistics and average deviation of the radiometric data were calculated and inspected for repeatability. After live time, background, and height correction, the average Th window count rate over the test line should be within +/-5% of the mean Th window count rate for all previous flights. No flights were suspended following the criteria of this test.

The statistics of the data acquired on the test line is included in Appendix 1.

5.2 Altimeter & Barometer Calibration Checks

The altimeter and barometer test flight was performed on September 07, 2006. The calibrations were done by comparing the radar altitudes and barometric pressure with a suitable reading from the GPS navigation system, during radar "stack" flown over Fairchild Lake, Yukon. The ellipsoidal height at the lake was determined by GPS. This procedure involved having the helicopter hover for 30 seconds at various altitudes above the ground (69, 96, 118, 142, 180, 206 and 230 metres) and recording the values of the radar altimeter, GPS altimeter and barometric pressure, which were then plotted and compared. These calibrations were checked on a daily basis by completing a vertical calibration test flight during take off and landing.

The results of the test are included in Appendix 1.

6. QC AND DATA PROCESSING

Data quality control and processing were carried out in two stages.

Daily quality control, initial processing and archiving of the data were completed on-site at the base of operations using Geosoft MONTAJ software and a notebook PC computer. All data were verified upon receipt, and checked against the operator's flight logs.

The final data processing was completed in the data processing centre of McPhar in Newmarket, Ontario.

All processing of radiometric and ancillary data was undertaken according to the standard procedures incorporated in Geosoft Radiometric Data Processing and Praga3 software, following the recommendations of :
IAEA-TECDOC-1363 - Guidelines for radioelement mapping using gamma ray spectrometry data,
IAEA-TECDOC-323 – Airborne Gamma Ray Spectrometer Surveying

A summary of the basic actions conducted during each data-processing stage appears below.

Field data QC and pre-processing

a.) Data pre-processing and extraction with PicoEnvirotec PEIView Extractor software
b.) Transfer of extracted data into Geosoft Database
c.) QC and pre-processing of GPS and altimeter data
d.) Compilation of flight path
e.) QC and pre-processing and evaluation of test and calibration data
f.) QC and pre-processing of radiometric data

Final Processing

a.) Processing of GPS and altimeter data
b.) Final flight path compilation
c.) Processing of radiometric data
- Principal component (NASVD and MNF) analysis and spectra processing
- Window (ROI) extraction
- Corrections and levelling of radiometric data
- Conversion to radioelement concentration
- Gridding
- Calculation of radioelement ratios

d.) Production of radioelement, ratio and ternary maps
e.) Compilation of final report

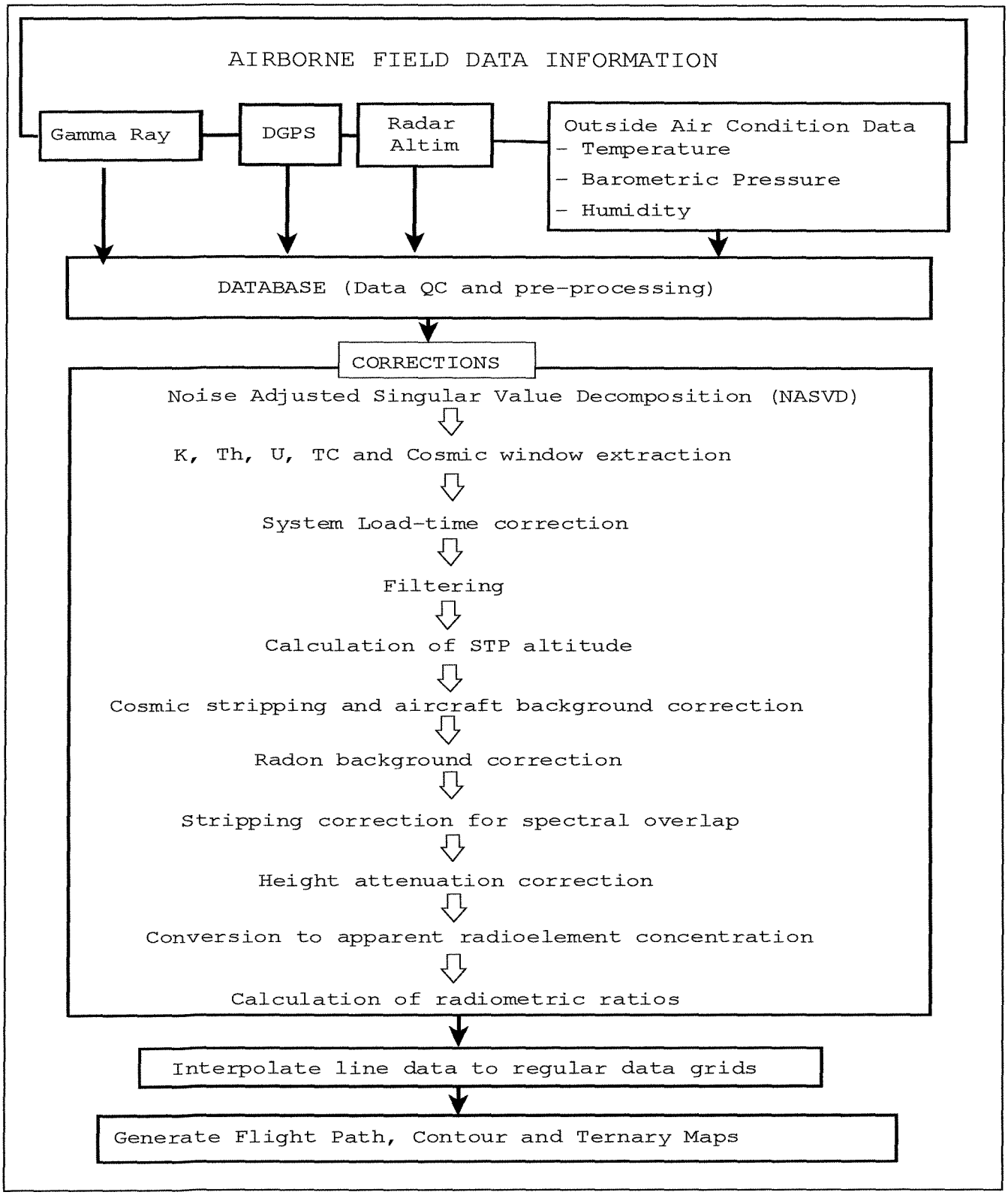


Figure 7: Data Processing Flow Chart

6.1 Data Management

Raw data in binary file format were recorded in the helicopter on portable media. Data duplication was carried out with DVD-ROM burning hardware and software and archived on DVD.

The raw file was comprised of:

- Real-time differentially corrected GPS data defined by WGS84 longitude and latitude, WGS84 ellipsoidal height and GPS time
- Radar Altimeter data
- Outside air condition data – temperature, barometric pressure and humidity
- Radiometric data recorded as gamma ray spectrum resolved into 256 channels over the energy detection range of 50 keV to 3000 keV and the cosmic channel over 3 MeV.

The binary raw file was pre-processed and extracted using PicoEnvirotec PEIView extractor software. The extracted data was loaded on a daily basis into a flight specific Geosoft database.

The pre-processing sequence included the following quality control measures:

a) Examination and checking of all incoming data to ensure completeness of data sets.
b) Production of preliminary flight path maps, speed checks, terrain clearance checks and evaluation of test and calibration data
c) Full profile quality control of all acquired traces for noise levels, data completeness, spike editing, and adherence to contract specifications.

Upon completion of the QA/QC process, the flight specific Geosoft database was merged into the project maser database.

Following the survey demobilization, the raw data binary files, daily and master Geosoft databases, flight logs and operational reports were shipped to the Newmarket, Ontario office of McPhar for final processing and archiving.

The project master database was used for basic and advanced data processing and for compilation of final maps and products. Final data processing, map compilation and report generation were completed by McPhar at the Newmarket, Ontario office.

6.2 Positional Data Processing and Flight Path Compilation

The flight path was derived from differentially corrected GPS positions using the recorded real-time airborne GPS data. A position was calculated each second (approx. every 39 meters along the flight path) to an accuracy of +/- 2-3 metres. This position data was merged with gamma ray spectrometry and ancillary data in the Geosoft GDB database.

As part of the QA/QC process, the following parameters were checked during a flight:

- Number of satellites under observation (average of 6, minimum of 4 allowed)
- PDOP (position dilution of precision; maximum value of 3 allowed)

Flight path deviation in position (maximum of +/-15 m over a linear distance of 2,000 metres) was checked on daily basis as a part of QA/QC process after the flight.

If the above specification was not met, a reflight was necessary.

All positional data (X,Y, Z) was recorded in WGS 84 (World) geographic coordinates and converted to the contract specified NAD83 UTM zone 08N projected coordinates.
Parameters for datum used on this project are as follows:

X,Y channels	Lon_deg,Lat_deg
Datum	WGS 84
Ellipsoid	WGS 84
MajAx,Eccen,PrimeMer	6378137,0.08181919084,0
Local datum transform	[WGS 84] World

X,Y channels	x,y
Length units	metre
Projection	UTM zone 8N
Type	Transverse Mercator
Lat0,Lon0,SF,FE,FN	0,-135,0.9996,500000,0
Datum	NAD83
Ellipsoid	GRS 1980
MajAx,Eccen,PrimeMer	6378137,0.08181919104,0
Local datum transform	[NAD83] Canada; Central America; Mexico; USA (

6.3 Altimeter Data and Digital Terrain Model

The radar altimeter data was recorded in feet at a frequency of 10 Hz. Data was converted to metres and filtered with a non-linear filter to remove spurious spikes. Additional smoothing of the radar altimeter data was achieved through application of low-pass filtering.

Altimeter data was inspected for criteria given by the contract (nominal 50 m terrain clearance above ground level based on the pilot's judgement of safe flying conditions around man-made structures or tall trees or in rugged terrain, or where prohibited by civil aviation authority regulations). The mean terrain clearance achieved over the entire survey was 47 m AGL.

Barometric pressure data was recorded in system units at a frequency of 1 Hz, and then converted to air pressure in mbar, following the results of barometric calibrations. Additional smoothing of the

barometric data was achieved by low-pass filtering.

A digital terrain model (DTM) channel was calculated by subtracting the filtered radar altimeter data from the GPS elevation defined by the WGS84 ellipsoidal height. This model provided information on the topography for interpretation of the radiometric data.

The DTM channel was gridded using a minimum curvature algorithm with a grid cell size of 20 metres and inspected for continuity. Micro-levelling of the DTM was then completed accompanied by further smoothing utilizing three passes of a 3 x 3 cell Hanning filter prior to contouring and DTM map production.

6.4 Radiometric Data Processing

6.4.1 Background to Corrections and Processing

Gamma-ray spectrometer surveys are utilized for mapping the concentration and distribution of naturally occurring radio elements. The use of an airborne gamma-ray spectrometer allows for the in-situ analysis of radioelement concentrations of naturally occurring potassium (K), uranium (U) and thorium (Th) in the field.

For a geologist, maps showing concentrations of K, U, and Th can be diagnostic in the mapping of rocks and soils, which aid in geological mapping, and exploration for uranium, gold, tin and tungsten. With these deposits, the primary mineralization process is often related to K metasomatism or alteration.

Radioactivity measurements from an airborne platform are dependent upon the detection of gamma rays produced through radioactive decay of the nuclide to be detected. Only three natural radioactive elements emit sufficient gamma radiation to be measured by airborne methods. The three major sources are:

- Potassium-40 (^{40}K) which is 0.011% of all potassium
- Daughter products from the ^{238}U decay series,
- Daughter products from the ^{232}Th decay series.

High-energy cosmic rays of non-terrestrial origin can be detected by airborne gamma-ray spectrometer surveys. This cosmic radiation interacts with molecules in the atmosphere, the aircraft, and the NaI detectors resulting in the production of high-energy radiation. This radiation is detectable and increases exponentially with height above sea level. It must be compensated for to obtain reliable and repeatable measurements and the detection of terrestrial radiation sources.

The traditional energy windows used to detect gamma ray radiation from K, Th, and U sources have overlapping areas where the energy recorded for a given element contains some contribution from all three radio elements. A correction procedure, known as stripping, is applied to the data to compensate for this spectral overlapping.

The natural gamma ray spectrum over the range of 0 to approximately 3000 keV is resolved by the spectrometer into 256 or 512 channels, each channel ranging from 5 to 6.5 keV in width. A separate channel records all high-energy radiation above 3000 KeV, the cosmic radiation contribution. Within the defined radioelement windows, the counts recorded are summed over a given time period.

Care must be taken during the acquisition of gamma-ray spectrometer data because the contribution from radon gas, related to decay products in the atmosphere, can result in misleading count rates. Radon gas can also diffuse from the ground, but only one radon nuclide is directly related to the uranium decay series. In order to minimize the impact of radon "contamination", radiometric surveys are not completed during rain, which "washes" radon from the air, increasing ground concentrations. Also surveys are not carried out in fog conditions and for a period of not less than 2 hours after precipitation has finished, allowing for dispersion of radon gas to normal background levels.

Radiometric surveys have no depth penetration; most radioactive sources are recorded from the upper 1.5 metres of the ground. Over water bodies or snow-covered areas, these surveys are ineffective, as the presence of water (in either liquid or solid state) effectively masks the radiation.

Spectrometer data are recorded in counts per second. The instrumentation requires a fraction of a second to process the incoming data – during this time period no counts are recorded. This interval is referred to as *"equipment down time or system dead-time"*. A correction is applied to compensate for this time period.

6.4.2 Processing Applied Using GEOSOFT Radiometric Processing System and Praga3

Please refer to Fig.7 for a summary of radiometric data processing.
The reduction of radiometric data follows standard processing steps implemented in the Geosoft Radiometric Processing System with the Praga 3 module, as outlined in the recommendations of IAEA-TECDOC-1363 - Guidelines for radioelement mapping using gamma ray spectrometry data.

The processing of radiometric data involved advanced full spectrum processing of downward looking detectors:

1. Principal component (NASVD and MNF) analysis and spectra processing
2. Extraction of uncorrected data accumulated in K, U, Th, TC and Cosmic windows from NASVD smoothed spectra
3. System dead-time correction
4. Filtering
5. Calculation of STP (Standard Temperature and Pressure) altitude.
6. Cosmic stripping and aircraft background correction
7. Radon background correction
8. Stripping correction for spectral overlap
9. Altitude attenuation correction
10. Reduction to apparent radio elemental concentrations
11. Calculation of radioelement ratios
12. Gridding
13. Production of radioelement, ratio and ternary maps

Principal component (NASVD and MNF) analysis

Principal component (NASVD and MNF) analysis tools allow us to investigate spectrum signatures included in the actual dataset. A spectrum dataset is converted into a limited set of spectral components (eigenvectors) which are ordered by variance (NASVD) or by signal to noise ratio (MNF). NASVD expects noise to be Poisson distributed, while MNF computes a noise model directly from the data. Higher order components can be explained as mixed nuclide responses collected at average survey altitude. They are followed by components that account for the altitude changes. Remaining components contain statistical and instrumental noise.

Principal components can be used for gamma-ray data processing. The approach is very similar to the spectrum fitting technique. However, instead of model responses, a subset of spectrum components, derived directly from the data, is used to replace the input spectrum.

Using ***Praga3***, an *"eigenvalue plot"* can be displayed, allowing the user to browse through the individual *components (eigenvectors)* to investigate their shape. *Covariance matrices* can be displayed as well. Spectra can be *interactively composed* from the chosen number of components and compared with input spectra or alternatively, *residual spectra* can be displayed. In a situation where the user chooses to re-process data with another subset of components, there is no need to compute the eigenvectors again.

Energy Window Extraction

The uncorrected data accumulated in K, Th, U and TC energy windows was extracted from the spectra after the principal component analysis and full spectra processing completion. Further standard radiometric processing was applied following the guidelines defined by IAEA technical reports.
A summary of coefficients applied for corrections of radiometric data is presented in Appendix 1.
For this extraction, standard energy regions of interest (ROI) were used.

Dead-time Correction and filtering

A dead-time system correction of 10 micro seconds/pulse was applied to each window using the following equation:

$N = n / (1 - TC\ t)$

where:	N	- corrected count rate (counts/sec);
	n	- observed count rate (counts/sec);
	TC	- total count rate over all channels(counts/sec);
	t	- the equipment dead time per pulse.

The data was subjected to a suitable low pass filter to minimize the statistical noise and to improve the count statistics.

Calculation of the Effective Altitude above Ground Level

The low-pass pre-filtered radar altimetry, barometric pressure and temperature data was used to calculate the effective height AGL for standard temperature and pressure (STP) using the following equation:

$$H_{STP} = (273.15\ P\ H_s) / [101.325\ (T + 273.15)]$$

where:
- H_s - observed height above ground level (metres);
- H_{STP} - effective height at STP (metres);
- T - air temperature (°C);
- P - barometric pressure (kPa).

Cosmic stripping and aircraft background correction

Cosmic radiation and aircraft background radiation was removed from each spectral window using the cosmic coefficients and aircraft background radiation values determined from test flight data using the following equation:

$$N = a + bC$$

where:
- N - the combined cosmic and aircraft background in each spectral window,
- a - the aircraft background in the window,
- b - the cosmic stripping factor for the window, and
- C - the low-pass pre-filtered cosmic channel count.

Radon background correction

The presence of radon (^{222}Rn) gas in the atmosphere contributes to the measured spectrometric data which constitutes the 'Radon Background' component.

A 'Full Spectrum' method implemented in Praga 3 software was used as the radon detection and removal technique for this survey. The 'Full Spectrum' method is based on the difference in source–detector geometry for the radon spectrum. The atmospheric radon component of the spectrum is defined as the response due to close sources. The terrestrial radiation component of the spectrum is defined as the response due to distant sources. This difference in geometry produces relative differences in the amplitudes of the photo peaks of the uranium disintegration series and also in the contribution of scattered radiation.

Stripping correction for spectral overlap

The stripping correction was used to correct each of the K, U and Th window count rates for gamma rays not originating from their particular radioelement or decay series using the following equations:

$$n_{K,K} = [n_{Th}\ (\alpha\ \gamma - \beta) + n_U\ (a\ \beta - \gamma) + n_K\ (1 - a\ \alpha)] / A$$
$$n_{U,U} = [n_{Th}\ (g\ \beta - \alpha) + n_U\ (1 - b\ \beta) + n_K\ (b\ \alpha - g)] / A$$

$$n_{Th,Th} = [n_{Th} (1 - g\,\gamma) + n_U (b\,\gamma - a) + n_K (a\,g - b)] / A$$
$$A = 1 - g\,\gamma - a(\alpha - g\,\beta) - b(\beta - \alpha\,\gamma)$$

where: n_{Th}, n_U, n_K - unstripped counts in Th, U, K windows
$n_{Th,Th}$, $n_{U,U}$, $n_{K,K}$ - stripped counts in Th, U, K windows

Coefficients α,β,γ are forward stripping ratios and a, b, and g are reverse stripping ratios

Coefficients α, β, γ, a, b and g were determined by system experiments during the pad calibrations. Summary of the determined coefficients used for processing is presented in Appendix 1.

Altitude attenuation correction

This correction was used to normalize the data to a constant terrain clearance of 50 m above ground level (AGL) at standard temperature and pressure (STP). Attenuation coefficients for each of the energy windows were determined from test flights. The measured count rate is related to the actual count rate at the nominal survey altitude by the equation:

$$N_s = N\, e^{\mu(h-ho)}$$

where: N_S - the count rate normalized to the nominal survey altitude, h_o
N - the background corrected, stripped count rate at effective height
μ - the attenuation coefficient for that window,
h_o - the nominal survey altitude, and
h - the effective height.

Finally, de-corrugation and micro-levelling techniques were applied to minimize the fine line directional levelling noise.

Reduction to apparent radio elemental concentrations

The final corrected units of the count rates (cps) for each spectral radioelement window (K,Th,U) and Total Count (TC) were converted to "Apparent Radio Element Concentrations" and "Ground Level Dose Rate" using the following equation:

$$C = N / S$$

where: C - concentration of the radio element
N - count rate for the energy window after dead time, background, stripping and attenuation
S -sensitivity coefficient

Sensitivities were determined from test flight data and are indicated in Appendix 1.

Potassium concentration is expressed as a percentage, while thorium and uranium as parts per million

of the accepted standards. Uranium and thorium are described as "equivalent" since their presence is inferred from gamma-ray radiation from daughter elements (^{214}Bi for uranium, ^{208}Tl for thorium). Total count is expressed as ground level dose rate in nGy/h.

Calculation of radioelement ratios

U/Th, U/K and Th/K ratios were calculated using the final reduced concentration of radio elements.

Gridding

The K, Th, U concentrations, TC dose rate and radio element ratios were gridded using a minimum curvature algorithm with a grid cell size of 20 metres and used for contouring and map compilation.

Ternary Radio Element Maps

Finally ternary radio element maps were produced. A ternary radio element map is a color composite image generated by modulating the red, green and blue colors in RGB color space in proportion to the radio element concentrations of K, Th and U grids. The standard display practice is to use red, green and blue for K, Th and U respectively. The radio element values are scaled to an equal range (0 to 1) to distribute the ranges of K, Th and U equally in RGB color space and the normalization is applied according to the following relations:

$$K_n = K_{01}/(K_{01}+eU_{01}+eTh_{01})$$
$$eU_n = eU_{01}/(K_{01}+eU_{01}+eTh_{01})$$
$$eTh_n = eTh_{01}/(K_{01}+eU_{01}+eTh_{01})$$

where subscript n refers to the normalized channel and the subscript 01 refers to the scaled values in (0, 1) range.

The normalization converts the radio element concentrations in to relative abundances and helps in reducing the effects of the attenuation of gamma rays by vegetation, soil and moisture. The ternary radio element maps are generated using the composite display of normalized grids in the RGB color model with histogram equalization stretching.

7. DELIVERABLE PRODUCTS

The survey data are presented as colour/contour maps on paper, produced at a scale of 1:25,000 for Block-Lumina and at scale 1:120,000 for Blocks Bonnie/Coma & Bond/Vic respectively. A set of report-sized colour/contour images, on paper, is included as Appendix 5.

The deliverable items of this survey are:

7.1 Maps

For the Wernecke Properties, the following maps of each block were delivered in two (2) paper copies.

- Differentially Corrected GPS Flight Path
- Digital Terrain Model Calculated from survey data (DTM)
- Calculated Dose rate from Total Count
- Apparent Concentration of Uranium
- Apparent Concentration of Thorium
- Apparent Concentration of Potassium
- Uranium/Potassium Ratio Map
- Uranium/Thorium Ratio Map
- Thorium/Potassium Ratio Map
- Ternary Radio Element Map

7.2 Digital Data

The final processed line and grid data, in GEOSOFT format is also delivered in two (2) copies on CD/DVD-ROM. Full descriptions of the digital data formats are included in this final report.

7.3 Report

Two (2) copies of a survey report were delivered, complete with all final maps as page size maps. This report provides information about the acquisition, processing and presentation of the survey data.

Respectfully submitted,
McPhar Geosurveys Ltd.

Dr. Tomas Grand
Chief Geophysicist

SUMMARY

An airborne geophysical survey program was completed over the Wernecke Properties, northern Yukon, situated approximately 200 km to the north east of Mayo, Yukon Territories under contract to Archer, Cathro & Associates (1981) Ltd., signed October 24, 2005 and amendments were made on March 06, 2006. The project consisted of a fixed-wing magnetic survey.

Data acquisition was initiated on November 2005 and was completed June 2006. Mobilization of the equipment and personnel to the survey area was completed on November 09, 2005 and 11% of the area with production flights was completed by December 09, 2005. The data acquisition of remaining 89% area was carried out, again during the period of April 11, 2006 to June 13, 2006.

First tests and calibrations flight was completed on November 20, 2005 and remaining tests and calibrations flights were completed on April, May & June 2006 respectively. The final survey flight was completed on June 12, 2006. A total of 13,092 line-kilometres of data were acquired. The survey was flown over five blocks; Block 'A', Block 'A' Infill, Block 'B' Block 'B' south extension and Block 'B; west extension with a nominal mean terrain clearance of 100 metres. The flight lines were oriented at specific directions and spacing explained in the table1.

Figure 1: Aerial photograph of survey area

1. INTRODUCTION

A detailed fixed-wing magnetic survey was carried out during the period of November 09, 2005 to June 13, 2006 on behalf of Archer, Cathro & Associates (1981) Ltd., hereinafter referred to as "Archer, Cathro", by McPhar Geosurveys Ltd, hereinafter referred to as "McPhar", over five blocks situated Wernecke Properties, northern Yukon, situated approximately 200 km to the north east of Mayo, Yukon Territories, Canada.

The purpose of the survey was to acquire high-resolution geophysical data to map the geophysical characteristics of the geology and structure in an effort to provide an insight into geologic and geophysical settings conducive to (Au) mineralization.

Table 1: Archer, Cathro Project, Yukon Territories, Survey Areas Descriptions

AREA NAME	LINE /T.L. SPACING	FLIGHT LINE-KM	TIE LINE-KM	TOTAL LINE-KM	MAIN FLIGHT DIRECTION
Wernecke Block A	350 x 4,000 m	7,898	724	8,622	NE - SW
Infill Block A	150 m	230	0	230	N - S
Wernecke Block B	350 x 3,500 m	1,303	148	1,451	ENE - WSW
Extension Block B West	350m x 3,650m	1,359	155	1,514	345.5^0 / 255^0
Extension Block B South	350 x 3,500 m	1,119	117	1,236	255^0 / 344^0
Totals		**11,909**	**1,144**	**13,053**	

Magnetic data acquisition involved the use of GPS positioning and one high sensitivity magnetometer installed in the tail stinger of a fixed-wing aircraft to measure the Earth's magnetic field. In this instance the aircrafts used were PA-31 Piper Navajo aircraft with Canadian registration C-FFRY supplied by Aries Aviation of Calgary, Alberta and C-GPVN Bruce land Air of Wiarton, Ontario, Canada respectively.

Installation of the survey equipment into aircraft C-FFRY was completed in Calgary prior to mobilization. Pre-survey test and calibration flights were undertaken over the period of November 20, 2005 and data acquisition was initiated on November 27, 2005. The last survey flight was conducted on December 09, 2005 and then the client stopped the survey due to poor weather.

Remobilization of aircraft C-GPVN, equipment and personnel to Mayo was accomplished on April 13, 2006. Installation of the survey equipment into the aircraft and pre-survey test flight was undertaken on April 11, 2006 at Norman Wells, NWT, Canada. The final survey flight was completed on June 12, 2006.This report describes the data acquisition and processing procedures, parameters and delivery products for this survey.

2. SURVEY AREA

The survey consisted of five blocks identified as Block 'A', Block 'A' Infill, Block 'B' Block 'B' south extension and Block 'B; west extension approximately 200 km north east of Mayo, Yukon Territories. The primary objective of the survey was to acquire geophysical data in support of (mineral) exploration.

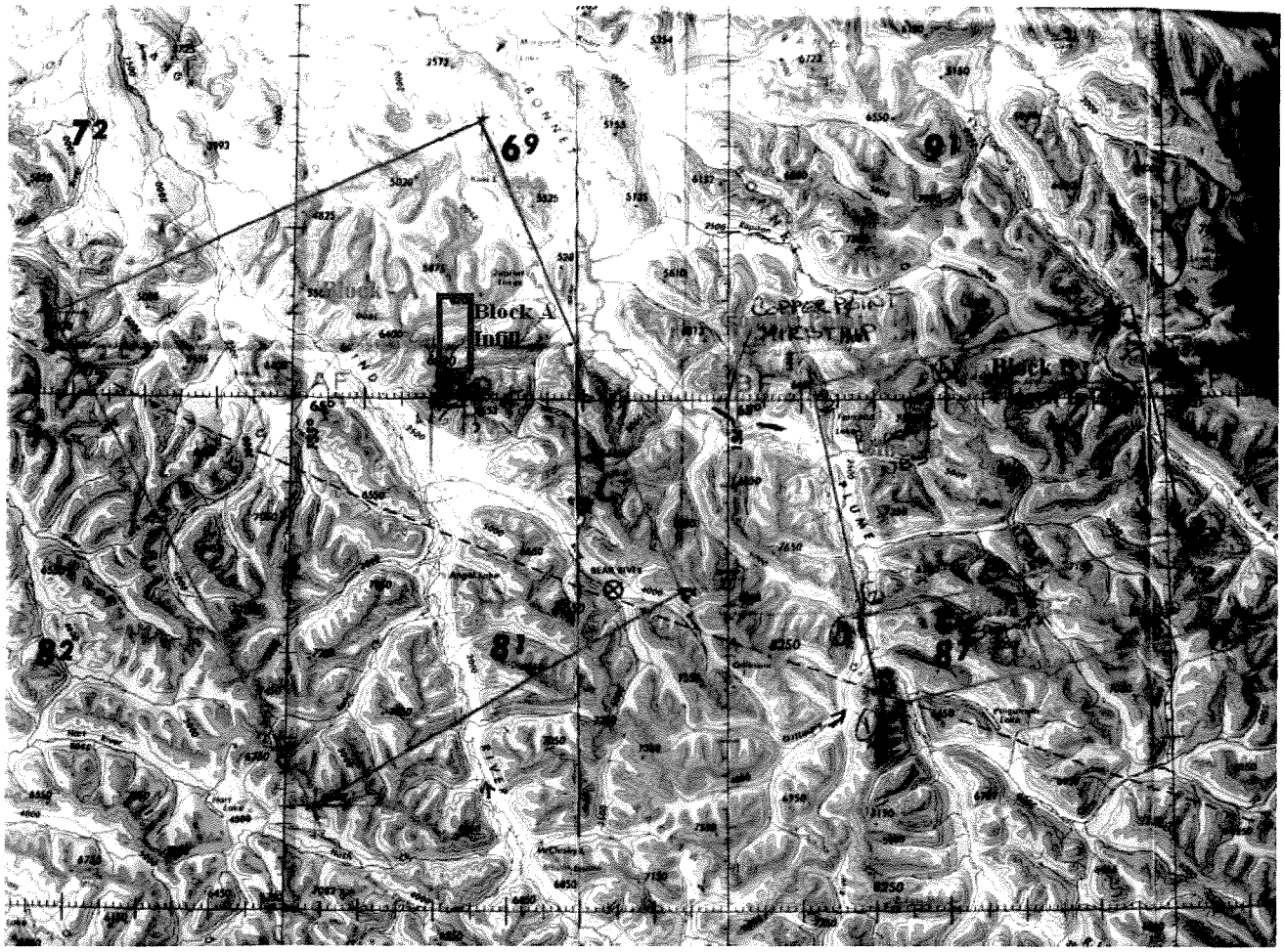


Figure 2: Location of survey areas

The topography of the Wernecke survey areas is variable, from narrow valleys to steep mountain slopes with incised river valleys with steep cliffs. The elevation ranged from approximately 150 metres to over 2800 metres above sea level. Weather conditions during the survey were typically in the -35°C to +16°C. Conditions varied from clear to cloudy, freezing rain, snow showers, and at times windy. More often than not, these poor weather conditions kept the survey crew grounded and thus the number of standby days accumulated.

The corner coordinates of the blocks were provided by Archer Cathro, and are presented in the following table. All coordinates are NAD83, UTM Zone 8N.

Table 2: Project Survey Areas Coordinates

Wernecke Block A		
UTM Zone 8, NAD 83		
Corner	Easting	Northing
NE corner	513590E	7239650N
NW corner	473600E	7218000N
SW corner	503600E	7164300N
SE corner	542850E	7188300N

INFILL Area - Wernecke Block A		
UTM Zone 8, NAD 83		
Corner	Easting	Northing
NE corner	515060	7217960
NW corner	518360	7217960
SW corner	515060	7207960
SE corner	518360	7207960

Wernecke Block B - West		
UTM Zone 8, NAD 83		
Corner	Easting	Northing
SE corner	579275	7190075
SW corner	562000	7185500
NW corner	556200	7210750
NE corner	572800	7215125

Wernecke Block B		
UTM Zone 8, NAD 83		
Corner	Easting	Northing
NE corner	590750E	7219400N
NW corner	573200E	7215500N
SW corner	578750E	7190500N
SE corner	596000E	7194500N

Wernecke Block B - South		
UTM Zone 8, NAD 83		
Corner	Easting	Northing
SE corner	599495	7185050
SW corner	564310	7175565
NW corner	562000	7185500
NE corner	596500	7194800

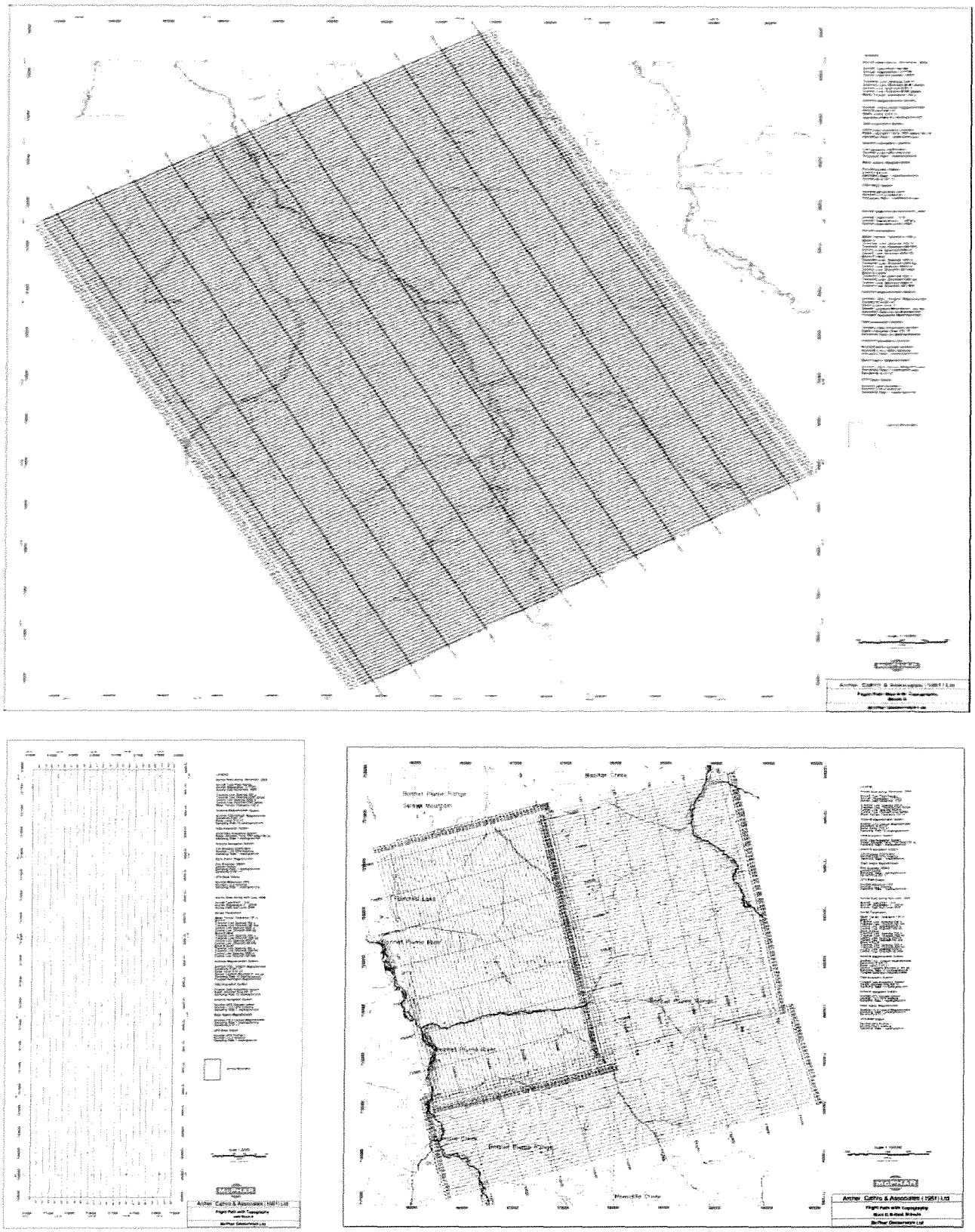


Figure 3:Flight Path with topography, all Blocks

3. SURVEY OPERATIONS

3.1 Operations Base

Survey operations were based out of the airport of the Mayo. Permission was obtained to operate, park and refuel the aircraft at the airport. The GPS base station antenna and the magnetic base station sensor was positioned approximately 5 kilometres from the airport.

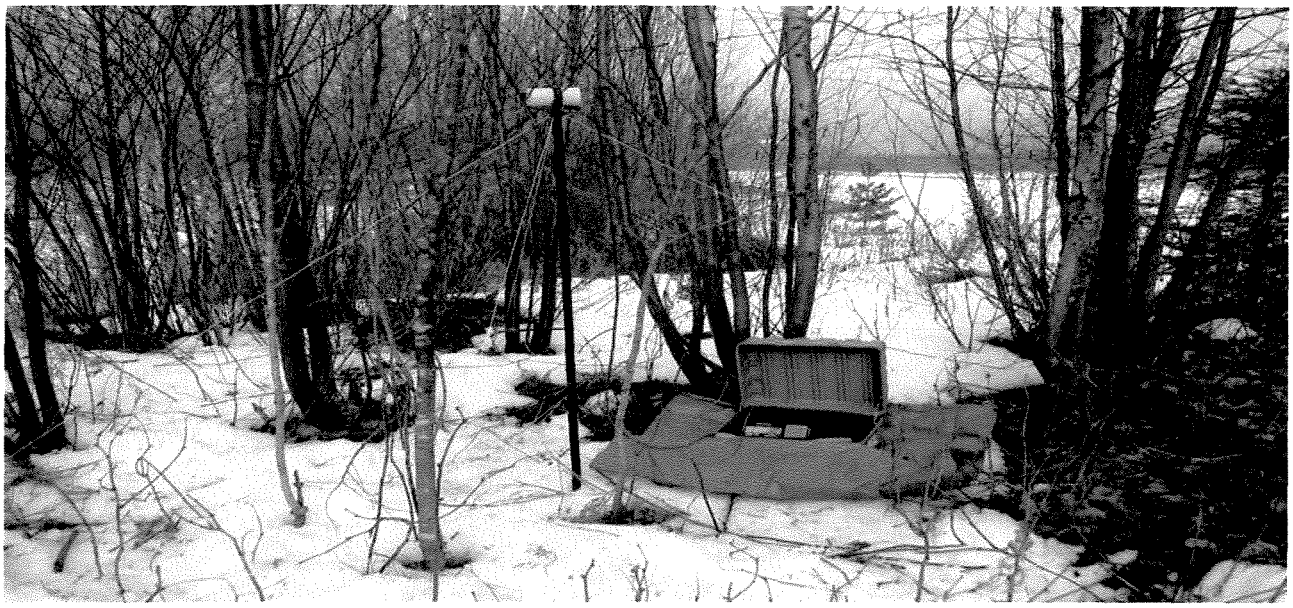


Figure 4: Base Station system with Antena (2005)

Figure 5: GPS Base Station system with Antena (2006)

Figure 6: Magnetic Base Station system with sensor

Initial Quality Control and Preliminary data processing was undertaken at a temporary data processing centre set up at the Bed Rock Motel in the town of Mayo.

3.2 Survey Conditions

Weather conditions during the survey were varied, ranging from occasionally good with clear skies and cloud cover, to low clouds overcast, freezing rain, snow showers and windy. The temperature ranged from a low -35° Celsius to +16° Celsius. During the whole survey, a total of sixty days were lost as the result of bad weather.

Sunspot activity, and hence diurnal geomagnetic activity, varied from quiet to active during the data acquisition period. No data were lost due to the geomagnetic activity being out of contract specification.

3.3 Navigation

The nominal data acquisition speed was 220 kilometres per hour. Scan rates for the magnetic data acquisition was 0.05 second, 0.1 second for the radar altimeter, and 1.0 second for the GPS navigation/positioning system. Therefore, there is a magnetic value recorded at an approximate interval of 3.25 metres and a position fix at an approximate interval of 60 metres along the flight track.

Navigation was assisted through use of a GPS receiver system that reported GPS co-ordinates in WGS-84 latitude and longitude, directing the pilot over a pre-programmed two-dimensional (2-D) survey grid. The x-y position of the aircraft reported by the GPS system was recorded together with the terrain clearance as reported by the radar altimeter. For surveying purposes, the coordinates of the survey area were transformed from WGS84 latitude and longitude to the NAD83, UTM 8N coordinates system.

Vertical navigation along flight lines was enabled by using the radar altimeter. The optimum terrain clearance during normal survey flying was 100 metres for the aircraft and geophysical instrumentation. However, due to rugged terrain in some areas, and the pilot's judgment of safe flying conditions in these areas, these terrain clearances were not possible 100% of the time. The final vertical and horizontal survey positions were differentially corrected in real-time to a precision of approximately +/- 1.5 metres.

Projection information:

Projection type: NAD83, UTM Zone 8N
Spheroid: Transverse Mercator
Base latitude: 0 degree
Base longitude: -135 degree
Scaling factor: 0.9996
False easting: 0
False northing: 500000
Local Transform: World Geodetic System

3.4 Field Processing & Quality Control

The survey data was transferred to portable magnetic media on a flight-by-flight basis, and then copied to the field data processing workstation. In-field data processing included: reduction of the data to Geosoft GDB database format, post-flight compensation of the magnetometer data using McPhar's CCMAG software, and inspection of all data for adherence to contract specifications. Survey lines which showed excessive deviation, or which were considered to be of inferior quality, for whatever reason, were reflown.

3.5 Survey Statistics and Project Diary

The survey entailed a total of 40 flights; of which 26 flights were production flights. The first production flight was Flt #2 on November 20, 2006, with the last production flight, Flt #32 on June 12, 2006.

McPhar Geosurveys Ltd. of Newmarket, Ontario, Canada, was responsible for the field operations, all geophysical matters and the overall coordination and management of the survey.

Table 3: Project Diary

Date 2006	Flt #	Hours Flown	Line-Km Accepted	Comments
10-11-05				Crew arrived at Mayo, Yukon Territories
11-11-05				Waiting for the plane from Whitehorse
12-11-05				Plane arrived from Whitehorse, setup base station And program AGIS
13-11-05				Waiting for drape file from office
14-11-05				Installed drape file and ready for survey,Poor weather
15-11-05				Poor weather, snow storm, Standby Day
16-11-05				Poor weather, snow storm, Standby Day
17-11-05				Poor weather low ceiling, snow storm, Standby Day
18-11-05				Poor weather low ceiling, snow, Standby Day
19-11-05				Poor weather low ceiling, freezing rain, Standby Day
20-11-05	1	1:28		Flight aborted due to bad weather, Back to Mayo and performed the Tests
21-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
22-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
23-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
24-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
25-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
26-11-05				Poor weather low ceiling, freezing rain and snow Standby Day
27-11-05	2	5:25	506	Flown at block 'B'. Production flight
28-11-05	3	1:22		Flight aborted due to high turbulance, Standby Day
29-11-05	4	5:30	751	Flown at block 'B'. Production flight
30-11-05				Low ceiling, less visibility, snow showers and freezing drizzel, Standby Day
01-12-05				Low ceiling, less visibility, snow showers, Standby Day
02-12-05	5	2:05		Flight aborted due to RAD Alt problems
03-12-05				Diurnal active, Standby Day
04-12-05	6	5:37	194	Finished Block 'B' and also started Block ' A'
05-12-05	7	1:17		Flight aborted due to high turbulance, Standby Day
06-12-05				Low ceiling, less visibility, snow showers and gusty wind, Standby Day
07-12-05				Low ceiling, less visibility, snow showers and gusty wind, Standby Day
08-12-05	8	0:31		Flight aborted due to bad weather, Standby Day
09-12-05				Demoblization, project stopped by client and will be started next year
11-04-06				Test and calibration flight at Norman Wells, NWT
12-04-06				Mobilizing to Mayo, QA /QC Geophysicist stuck in Whitehorse and remaing crew in Norman Wells due to bad weather

13-04-06				QA /QC Geophysicist arrived at Mayo, Setup the base station, remaing crew stuck in Norman Wells due to bad weather
14-04-06				Crew stuck in Norman Wells due to bad weather
15-04-06				Crew stuck in Norman Wells due to bad weather
16-04-06				Crew stuck in Norman Wells due to bad weather
17-04-06				Crew arrived at Mayo, couldnt have production flight at afternoon due to low ceiling, Standby Day
18-04-06				Low ceiling, less visibility, Standby Day
19-04-06				Low ceiling, less visibility, snow showers, Standby Day
20-04-06	1	1:26		Flight aborted due to bad weather, Standby Day
21-04-06	2	1:04		Flight aborted due to bad weather, Standby Day
22-04-06	3	2:38	182	Flown on Block 'A', Flight aborted due to high turbulance, Production flight
23-04-06				Cloudy with wet snow and light rain, Standby Day
24-04-06				Cloudy with wet snow, rain & high wind, Standby Day
25-04-06				Cloudy with light rain & high wind, Standby Day
26-04-06	4	3:00	152	Flown at Block 'B' south, Flight aborted due to bad weather, Standby Day
27-04-06				Overcast all day, Standby Day
28-04-06				Cloudy with light rain & snow, Standby Day
29-04-06				Overcast all day, Standby Day
30-04-06	5	2:28		Flight aborted due to bad weather, Performed Heading Test, Standby Day
01-05-06	6	4:42	568.2	Flown at Block 'B' south & Block 'B' west, Production flight
02-05-06	7	2:40	241	Flown on Block 'A', Flight aborted due to high turbulance and low ceiling, Production flight
03-05-06				Overcast all day, Standby Day
04-05-06				Overcast all day, Standby Day
05-05-06				Overcast & diurnal active all day, Standby Day
06-05-06				Diurnal stormy to active all day, Standby Day
07-05-06				Overcast & diurnal active all day, Standby Day
08-05-06	8 9	4:55 0:36	652.5	Block 'B' south is completed, Production flight Second flight aborted due to bad weather
09-05-06				Overcast all day, Standby Day
10-05-06	10	3:03	232.5	Flown at Block 'B' west, Flight aborted due to bad weather, Production flight
11-05-06				Overcast all day, Standby Day
12-05-06				Overcast & diurnal active all day, Standby Day
13-05-06				Overcast & diurnal active all day, Standby Day
14-05-06	11 12	5:06 4:09	1126.1	Two production flights Block 'B' west is completed
15-05-06	13	4:29	640.8	Flown at Block 'A'. Production flight
16-05-06				Heavy rain at AM and low ceiling at PM, Standby Day
17-05-06	14	0:45		Flight aborted due to bad weather, Standby Day
18-05-06				Overcast all day, Standby Day
19-05-06	15	4:54	826.9	Flown at Block 'A'. Production flight
20-05-06	16	5:12	917.7	Flown at Block 'A'. Production flight
21-05-06	17	2:22		Flight aborted due to bad weather, FOM test

				performed for Block'B'. Standby Day
22-05-06				Overcast all day, Standby Day
23-05-06				Overcast all day, Standby Day
24-05-06	**18**	**2:08**		Flight aborted due to bad weather, FOM test performed for Block'B'. Standby Day
25-05-06	**19**	**3:57**	**641.7**	Flown at Block 'A'. Production flight
26-05-06	**20**	**2:00**	**91**	Flight aborted due to high turbulance, Standby Day
27-05-06				Overcast all day, Standby Day
28-05-06	**21**	**1:25**	**91**	Flight aborted due to high turbulance, Standby Day
29-05-06	**22**	**4:49**	**756**	Flown at Block 'A'. Production flight
30-05-06	**23**	**1:00**		Flight aborted due to bad weather, Standby Day
31-05-06				Overcast all day, Standby Day
01-06-06				Overcast all day, Standby Day
02-06-06	**24**	**4:49**	**822.4**	Flown at Block 'A'. Production flight
03-06-06	**25**	**5:09**	**915.1**	Flown at Block 'A'. Production flight
04-06-06				Overcast all day, Standby Day
05-06-06	**26**	**4:03**	**366.6**	Flown at Block 'A' & Infill 'A'. Production flight
06-06-06	**27**	**2:32**	**273.8**	Flown on Block 'A', Flight aborted due to high turbulance and low ceiling, Production flight
07-06-06	**28**	**0:45**		Flight aborted due to bad weather, Radar Test performed, Standby Day
08-06-06	**29**	**4:36**	**731**	Flown at Block 'A'. Production flight
09-06-06				High winds and turbulance all day, Standby Day
10-06-06	**30**	**1:27**	**45.7**	Flight aborted due to high turbulance, Standby Day
11-06-06	**31**	**5:23**	**593**	Flown at Block 'A'. Production flight
12-06-06	**32**	**5:16**	**735**	Flown at Block 'A' & Block 'B' west added tie line Production flight
13-06-06				Demoblization
	Totals:	**128:05**	**13,053**	

The following personnel comprised the onsite crew for the project at Mayo in 2005 & 2006:

Table 4: Onsite Personnel

Title	Name	Days Onsite
Project Manager (2006)	Kevin Lindsay	57
QC Geophysicist (2005)	Adam Barrett	29
Operator (2005)	Adam Barrett	29
Aircraft Pilot (2005)	Rory Clayton	29
QC Geophysicist (2006)	Asif Mirza	61
Operator (2006)	Kevin Lindsay	57
Operator (2006)	Jan Niemeijer	57
Aircraft Pilot (2006)	Marieke Niemeijer	57

4. AIRCRAFT AND EQUIPMENT

4.1 The Aircraft

The survey was flown using a PA-31 Piper Navajo aircrafts with Canadian registration C-FFRY supplied by Aries Aviation of Calgary, Alberta and C-GPVN Bruce land Air of Wiarton, Ontario, Canada respectively. The aircrafts were modified as a geophysical survey platform, and features one high sensitivity magnetometer installed in a tail stinger. This aircraft can acquire aeromagnetic data at nominal survey airspeed of 135 knots (Approx. 230 km/hour) with has approximately 6 hours flight duration including the geophysical system and a crew of 2 persons onboard.

Figure 7: PA-31 Piper Navajo aircraft with Canadian registration C-FFRY (2005)

Figure 8: PA-31 Piper Navajo aircraft with Canadian registration C-GPVN (2006)

Mobilization of the aircraft, equipment and personnel to Mayo was again accomplished on April 13, 2006. Installation of the survey equipment into the aircraft and pre-survey test flight was undertaken on April 11, 2006 at Norman Wells, NWT, Canada. The final survey flight was completed on June 12, 2006.

McPhar personnel at the Calgary, Alberta and Norman Wells, NWT, CANADA carried out the installation of the geophysical and ancillary equipment, respectively. After the aircraft's arrival, final adjustments, calibration and testing was completed in Mayo, Yukon Territories, prior to production survey flights commencing.

Aircraft Model:	-	Piper Navajo
Aircraft Registration:	-	Canadian, C-FFRY
Engine:	-	2 x Textron Lycoming TIO-540-A2C
Empty weight:	-	3,759 lbs / 1,709 kg
Gross weight:	-	6,500 lbs / 2.955 kg
Fuel Capacity:	-	350 gal / 1,330 litres
Survey speed:	-	120-160 knots / 220-295 km/h
Survey duration:	-	7.5 hours
Ferry:	-	185 knots / 340 km/h
Cruise range:	-	1.295 nm/ 2300 km
Max. Alt:	-	26,000 ft / 8092 m

Aircraft Model:	-	Piper Navajo
Aircraft Registration:	-	Canadian, C-PGVN
Engine:	-	2 x Textron Lycoming TIO-540-A2C
Empty weight:	-	4,336 lbs / 1,966 kg
Gross weight:	-	6,770 lbs / 3,070 kg
Fuel Capacity:	-	240 gal / 1,019 litres
Survey speed:	-	120-160 knots / 220-295 km/h
Survey duration:	-	4:45 hours
XC:	-	160 knots
Cruise range:	-	1,040 nm/ 1926 km
Max. Alt:	-	1,000 ft

4.2 The Survey Instrumentation

4.2.1 Survey System Overview

The instrumentation installed in the aircraft included:

- One Scintrex CS-2 high resolution cesium magnetometer (2005)
- One Scintrex CS-3 high resolution cesium magnetometer (2006)
- Pico-Envirotec AGIS 100 Data Acquisition System (2005)
- Fluxgeo Data Acquisition System (2006)
- NovAtel GPS Glonass System
- NovAtel L1/L2 Antenna
- Instrumentation Rack and Power Distribution System

The processing and base stations comprised:

- A Field Workstation, comprising a portable Pentium PC, printer and full data processing software (Waypoint Navigation GrafNav GPS Processing Software,CCMag Magnetic Compensation Software and Geosoft Montaj Processing Software)
- A Magnetometer Base Station, comprising a GEM GSM-19 Proton magnetometer (2005)
- A Magnetometer Base Station, comprising a Scintrex CS-3 High Resolution cesium magnetometer and KMAG 4 mag counter (2006)
- NovAtel ProPak II GPS System
- NovAtel L1/L2 Antenna
- A complement of spare parts and test equipment were maintained at the survey site.

4.2.2 Airborne Magnetometer

A Scintrex CS-2 & CS-3 cesium split-beam total-field magnetometer was installed in the tail stinger of the aircraft, respectively. Sampling rate was ten (10) times per second with an in-flight sensitivity of 0.001 nT. Aerodynamic magnetometer noise was +/- 0.01 nT. The sensitivity of the magnetometer was recorded at 0.001 nT when operated at a sampling rate of 0.1 second.

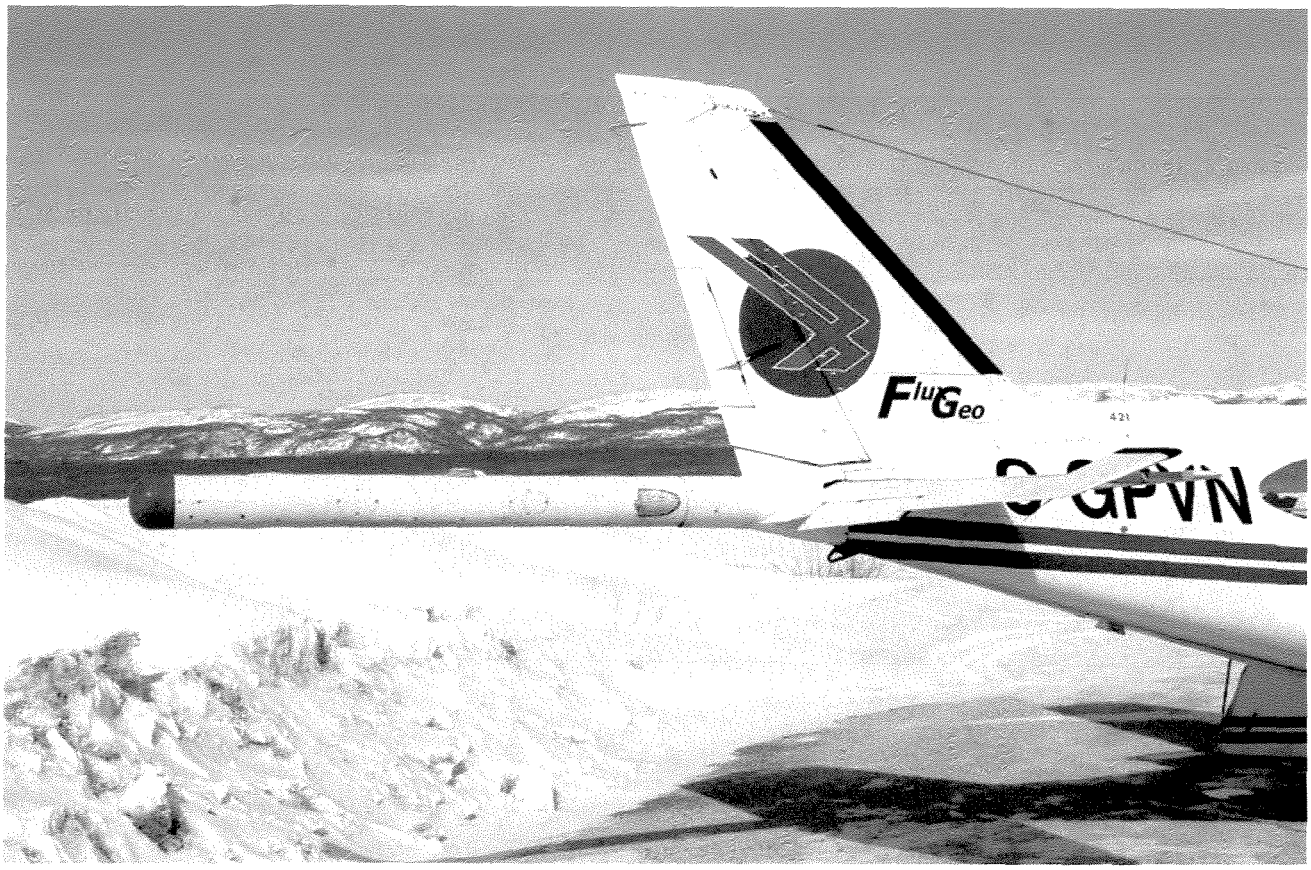


Figure 9: Tail stinger of the aircraft with CS-3 Mag sensor

The magnetic Figure-of-Merit (FOM) of the aircraft was determined using the Geological Survey of Canada's method, and was demonstrated to be better than 1 nT. The Scintrex CS-3 magnetometer is described in Appendix 1.

4.2.3 Magnetic Compensation

Compensation for the orientation and movement of the aircraft in the Earth's ambient magnetic field was undertaken post flight using a proprietary program "CCMAG" installed on the Field Workstation. The Larmor frequency output of the cesium magnetometer sensor was processed by a high precision frequency counter in the Fluxgeo and AGIS 100 / MMS-4 data acquisition systems (resolution of 0.001nT at a sampling rate of 10 times per second). A three-axis Bartington fluxgate magnetometer monitored the attitude and motion of the aircraft in flight. The output from this fluxgate magnetometer, or attitude sensor, was then used in the "CCMAG" processing of the raw magnetic data to produce magnetic data compensated for the orientation and motion of the aircraft in the Earth's magnetic field.

The CCMAG post-flight compensation program is described in Appendix 2.

4.2.4 The Base Station Magnetometer

The magnetometer base stations used were comprised of a GEM System GSM 19 base station data recorder, proton magnetometer and KMAG 4 mag counter utilizing a Scintrex CS-3 cesium magnetometer to monitor and record diurnal variations of the Earth's magnetic field. The base station magnetometers were set up at the distance of 5 kilometres from Mayo airport. Every effort was made to ensure that the magnetometer sensor was placed in a location of low magnetic gradient and sited away from electric transmission lines, and moving ferrous objects, such as motor vehicles and aircraft.

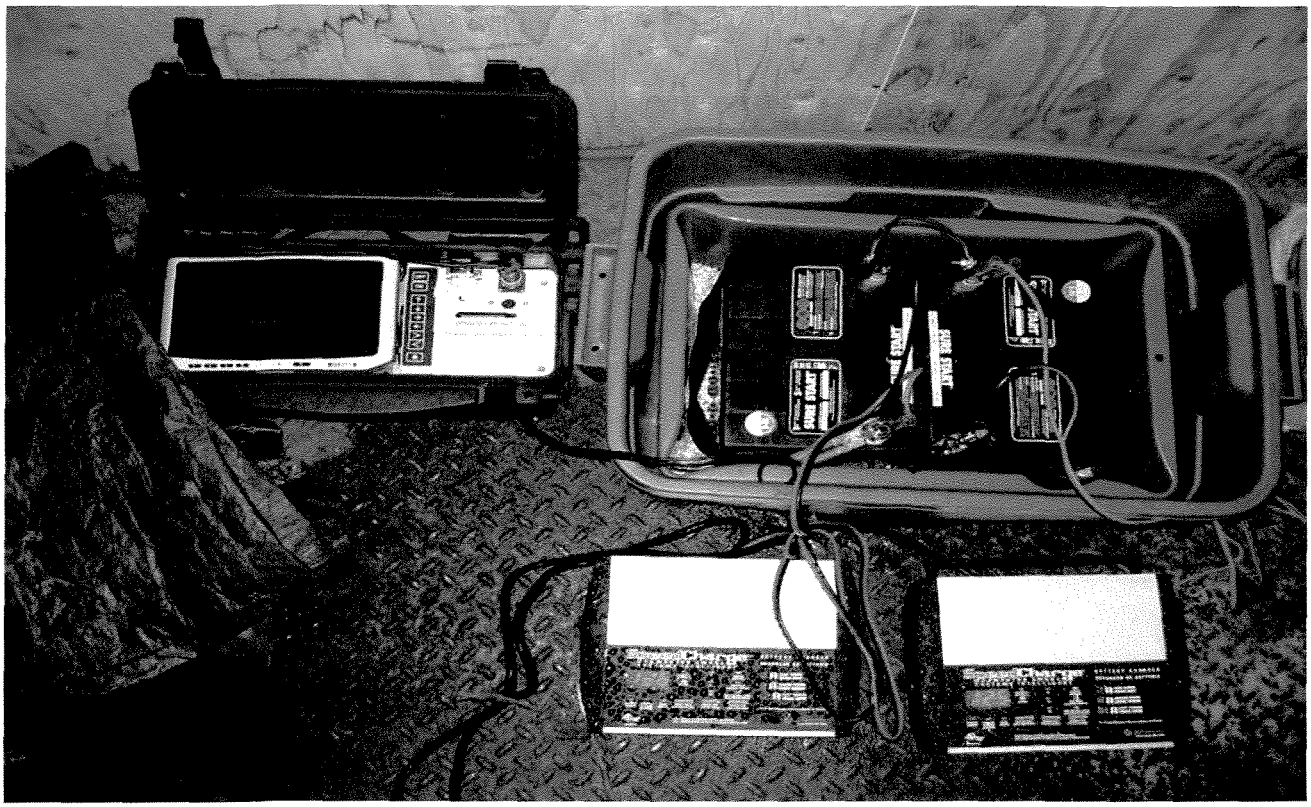


Figure 10: Base station magnetic system (2005)

The base-station magnetometer was operated continuously throughout the airborne data acquisition phase at sample rate at 1.0 second of a sensitivity of 0.01 nT. The ground and airborne system clocks were synchronised using GPS time, to an accuracy of 1 second or better. A continuously updated profile plot of the base station values was presented on the base station screen. At the end of the day, the digital data was transferred from the base station's data-logger to the fieldwork station.

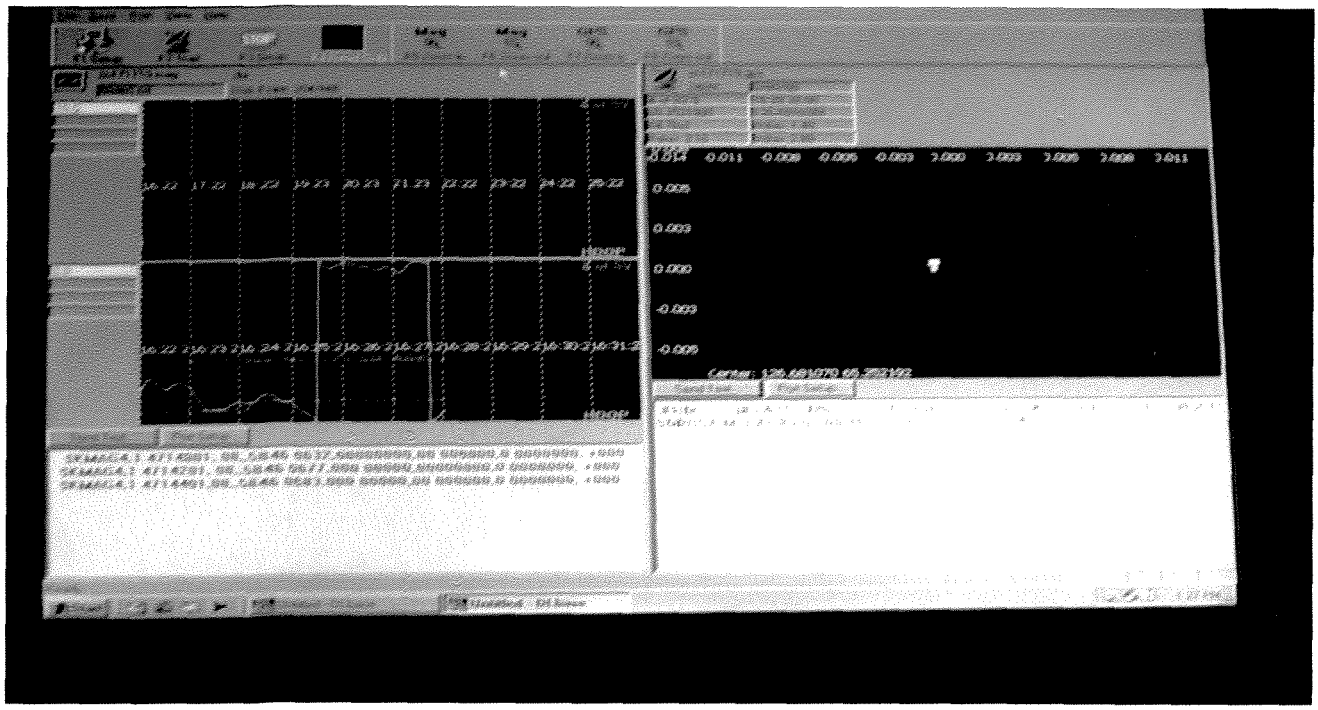


Figure 11: Base station magnetic system (2006)

4.2.5 Altimeter

The Terra TRA-3000/TRI-30 and King KP-10 radar altimeter systems were used to record the aircraft terrain clearance to an accuracy of less than 1 metre (approximately 3 ft), over a range of 40 ft to 2,500 ft. The altimeter was interfaced to the data acquisition system with an output repetition rate of 0.1 second, and were digitally recorded.

4.2.6 The GPS Satellite Navigation System

A CSI-Wireless DGPS MAX navigation system input to a navigation computer and pilot steering indicator (PSI) provided the navigation control. The PSI provided steering and cross-track guidance to the pilot. The pilot was provided with GPS and altimeter data to aid in the flying of the aircraft.

The co-ordinate system employed in the survey design and digital recording was WGS84 latitude and longitude. The GPS positional data was recoded at one second intervals and used with data obtained from three different differential services: Space Based Augmentation Systems (SBAS), OmniSTAR, and DGPS beacon stations, to calculate real-time differentially corrected locations. The GPS ground base station, comprised of NoveAtel ProPak II GPS System with Aero Antenna AT, recorded GPS data on a Pocket PC Based Data Logger *(2005)*.

A NovAtel high-performance navigation/positioning system was used on the aircraft. This system consisted of a NovAtel GPS/GLONASS receiver and NovAtel L1/L2 Antenna. A pilot steering indicator, providing steering instructions to the pilot in three dimensions, was installed on top of the

cockpit dashboard. The indicator was connected to the Fluxgeo data acquisition system. A GPS ground base station, comprising a NovAtel ProPak II GPS receiver and NovAtel L1/L2 Antenna, was set up near a hut in Mayo. The GPS data was recorded on a Notebook PC-data logger for post-survey differential corrections (using GrafNav software). The GPS receivers are fully described in Appendix 2.

Survey co-ordinates were set-up prior to commencement of the survey and the information located into the airborne navigation system. The co-ordinate system employed in the survey design and digital recording was WGS-84 latitude and longitude. The GPS positional data was recorded at one-second intervals and used with the base station data to calculate differentially corrected locations *(2006)*.

This navigation system yielded a real-time positional accuracy of better than ± 2 metres.

4.2.7 Data Acquisition/Recording System

The PC-based AGIS 100 and Fluxgeo data acquisition systems were used to record the geophysical and navigation survey data on an internal hard disk drive. Data was displayed on an LCD screen as profile traces to allow the operator to monitor the integrity of the system. The system provides for the:

- System control and monitoring
- Data acquisition recording
- Real-time data processing
- Navigation processing, and
- Post flight data playback and analysis

All data collection routines, checking and verification, buffering, and recording are software controlled for maximum flexibility both during and after the survey flight.

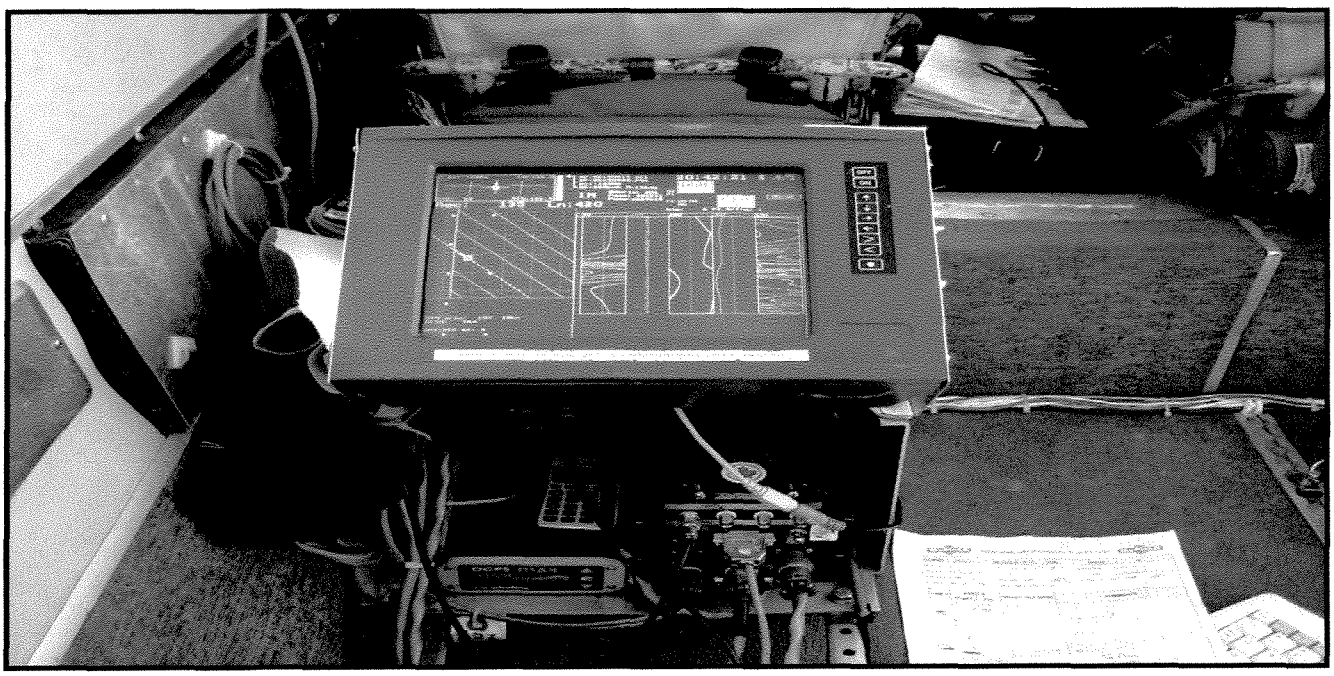


Figure 12: AGIS 100 Data Acquisition System installed in C-FFRY (2005).

Figure 13: Fluxgeo Data Acquisition System installed in C-GPVN (2006)

4.2.8 Field Computer Workstations

A Data Processing Field Workstation (FWS) comprised of a dedicated PC-based notebook computer for use at the technical base in the field, was used on this project. The FWS is designed for use with Geosoft OASIS/Montaj Data Processing Software. The FWS has a data replot capability, and may be used to produce pseudo-analogue charts from the recorded digital data within less than 12 hours after the completion of a survey flight, if this is necessary. It is also capable of processing and imaging all the geophysical and navigation data acquired during the survey, producing semi-final, preliminary-levelled maps.

The FWS was used to accomplish the following:

- **Quality Control/Digital Data Verification** - flight data quality and completeness were assured by both statistical and graphical means on a daily basis
- **Flight Path Plots** - flight path plots were generated from the GPS satellite data to verify the completeness and accuracy of each day's flying
- **Preliminary Maps** - the Geosoft software system permitted preliminary maps to be quickly and efficiently created for noise and coherency checks.

The FWS is fully described in Appendix 2.

The Geosoft Oasis/Montaj software is designed for airborne data editing, compilation, processing and plotting. The software reads the portable data media from the airborne system checking for gaps, spikes or other defects and permits the data to be edited where necessary. The base station GPS/magnetometer data is checked, edited, processed and then merged with the airborne data by using GrafNav GPS Post-Processing Software. GPS flight path plots are created and plotted for both flight planning and flight path verification.

4.2.9 Spares

A normal compliment of spare parts, tools, back-up software, and necessary test instrumentation was available in the office at the airport.

5. INSTRUMENT CHECKS AND CALIBRATIONS

5.1 Airborne Magnetic System Tests and Calibrations

5.1.1 Manoeuvre Noise

As the magnetometer system sensor, installed in the tail stringer, is still within the magnetic effect of the aircraft structure, tests were conducted at regular intervals to determine the effects of aircraft roll, pitch and yaw. These tests were completed at high altitude over an area of low magnetic gradient by performing ±10° rolls, ±5° pitches and ±5° yaw manoeuvres flown over periods of 4-5 seconds in the same direction as the flight and tie lines. A compensated Figure-of-Merit (FOM) for the aircraft was calculated by summing the peak-to-peak amplitudes of the twelve magnetic manoeuvres. The FOM was determined at the commencement of flight operations on flight # 1 on November 20, 2005, 11 April 2006 and again on May 21 & 24, 2006. The FOM tests were determined to be 1.10 nT, 0.72 nT & 0.27 nT for tail stinger sensor respectively. Detailed information about the FOM tests is provided in Appendix 1.

5.1.2 Magnetic Heading Effect

The magnetic heading effect was determined by flying a cloverleaf pattern oriented in the same direction as the survey lines and tie lines. Two passes in each direction were flown over a recognizable feature on the ground in order to obtain sufficient statistical information to estimate the heading error. The heading errors were determined at the start of the survey on November 11, 2005 and again April 30, 2006. The results of the heading tests are presented in Appendix 1.

5.1.3 Lag Tests

The Lag Tests were performed on November 11, 2005 and on April 30, 2006 respectively to ascertain the time difference between the magnetometer readings and the operation of the GPS System. The tests were flown over an identifiable magnetic anomaly by flying the same line in opposite directions at survey altitude.

5.1.4 GPS Checks & Tests

In addition to carefully selecting a suitable area for the positioning of the base station, care was also taken to ensure that the base station GPS antenna maintained a maximum field-of-view to the GPS satellites, and was not obstructed due to movement and placement of airport equipment.

5.1.5 Altimeter Calibration Checks

Two altimeter tests were performed during the survey, the first on November 20, 2005, and the second on April 11, 2006. The radar altimeter was calibrated by comparing the radar altitudes with suitable readings from the GPS navigation system during radar "stack" flown over Mayo airport runway and the Norman Wells airport runway respectively. The ellipsoidal height of runway was determined by GPS. The procedure employed involved having the aircraft fly over the runway at various altitudes above the

ground (100, 200, 300, 400, 500 and 600 feet) recording the values of the radar altimeter and GPS altimeter, which were then plotted and compared. The results of the tests are included in Appendix 1.

The radar calibration was checked on a daily basis by completing a vertical calibration test flight during take off and landing.

5.1.6 Other Daily Checks

The validity of data on all system channels were checked at the start and end of each survey flight, together with the synchronization of each of the systems (airborne and ground).

6. QC AND DATA PROCESSING

Daily quality control, initial processing and archiving of the data were completed in Mayo at the temporary data processing centre established at the Bed Rock Motel, using Geosoft MONTAJ software and a notebook PC computer. All data were verified upon receipt, and checked against the operator's flight logs.

The pre-processing or infield processing sequence included the following quality control measures:

a) Examination of all incoming data to ensure completeness of data set.
b) The production of preliminary flight path maps, speed checks, and aircraft terrain clearance checks.
c) Full profile quality control of all acquired traces for noise levels, data completeness, spike editing, and adherence to contract specifications.

The final data processing, map generation and report was completed by McPhar at the Newmarket, Ontario office.

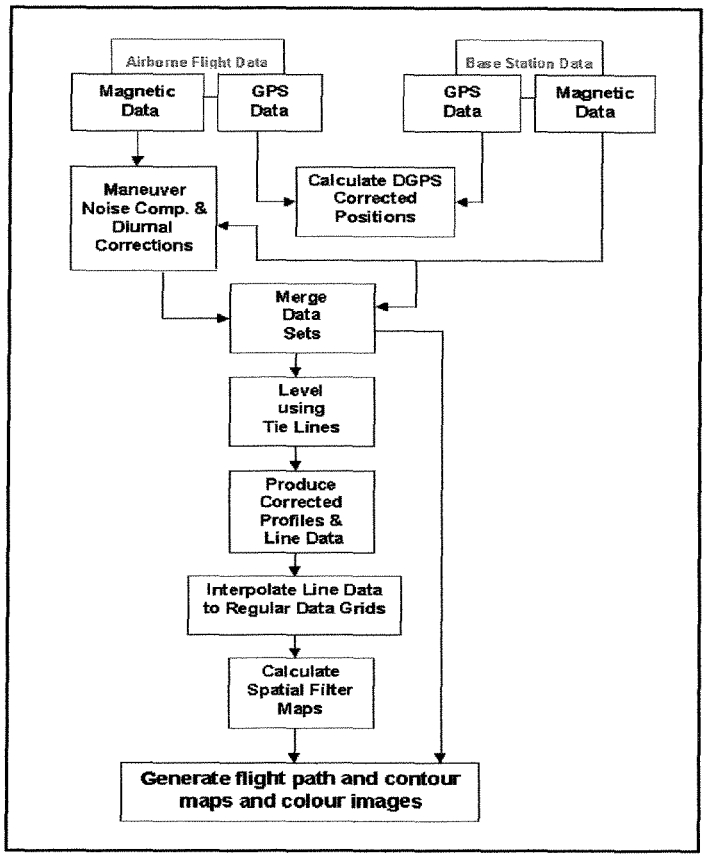


Figure 14: Data Processing Flow Chart

6.1 Flight Path Compilation

The flight path was derived from differentially corrected GPS positions using the airborne and static GPS data. Differential GPS data editing and processing was accomplished using the GrafNav GPS Post-Processing Software as developed by WayPoint Navigation, Inc. A position was calculated each 1.0 second (approx. each 60 metres along the flight path) to an accuracy of better than ±1.5 metre. The position data was then merged into the magnetic and ancillary data in the Geosoft GDB database.

If the contract specifications were not met, a reflight was deemed necessary. All positional data was projected in NAD83, UTM Zone 8N coordinates as specified by the contact.

6.2 Base Station Magnetic Data

The base station magnetometer data was edited, plotted and merged into the GDB database on a daily basis.

The QA/QC procedure to determine acceptable magnetic base station data involved:

- Despiking of the base station data resulting from cultural activities not associated with the performance of the survey.
- Determination of the maximum noise of the observed total magnetic intensity
- Determination of the average 4th difference noise of the signal
- Determination of the rate of diurnal change

6.3 Processing the Airborne Magnetic Data

Final processing of the magnetic data was completed at the McPhar office in Newmarket, Ontario. The following processing steps were applied to the magnetic data:

6.3.1 Corrections

The processing of the data involved: post-flight compensation for the movement and orientation of the aircraft in the Earth's magnetic field; correcting for diurnal variations by using the digitally recorded ground base station magnetic values; network adjustment using the flight-line and tie-line information to level the survey data set. The corrected data set was used to generate the initial Total Magnetic Products grid and served as a base for all further processing and analysis.

6.3.2 Levelling

Levelling of the magnetic data included the following steps:

- statistically levelling the tie lines;
- levelling the traverse lines using statistically levelled ties (note: this procedure involves editing/adjusting of individual corrections at selected intersections as required in order to obtain the best possible levelled data before microlevelling);
- micro-levelling the traverse lines. After applying the above corrections to the profile data any residual line-direction-related noise was removed through the application of microlevelling. The microlevelling technique consisted of the application of directional and high pass filters to produce a grid containing noise-only in the line direction. The grid is extracted to the profile database, and an amplitude limit and a filter length are determined, so that the final error channel reflects only noise present in the grid without removing or changing geologic signal. The error channel is then subtracted from the initial input magnetic data channel in order to obtain the final micro-levelled channel. The resulting grid is free of line direction noise.

6.3.3 Compudrape Method

In order to be able to merge the different datasets and provide a single merged data and map product, the data was processed using a procedure commonly referred to as CompuDrape.

As a result of the survey being completed in two stages, it was inevitable that the mean terrain clearance between the two survey parts varied considerably from 2005 and 2006. This variance was in part due

to:

- Different survey specifications with respect to flying heights and line spacing;
- Different survey aircraft and pilots and hence different levels of experience in flying and aircraft performance characteristics;
- Different weather conditions;
- Similar but different data processing and magnetic compensation procedures.

The application of Compudrape involves computation through the use of upward and downward height continuation on aeromagnetic profile data to transform it from the original magnetic field on an arbitrary observation surface to the magnetic field on a new surface of specified height.

In areas with steep topography such as encountered in some areas of the Project, it was difficult for the survey aircraft to maintain a constant nominal height above the ground. This was further complicated by the fact that the survey was flown in two parts, similar but different aircraft, few months difference apart, and under different survey conditions. The result was large variations in the distance between the magnetic sensor and the ground (from 50 to 500 m), making it very difficult to process the data.

Compudrape attempts to correct this variable terrain clearance effect by generating a magnetic grid that "simulates" the result that would have been obtained had the magnetic sensor been maintained a constant height above ground. In the case of this Project, a sensor height of 100 metres was used for the Compudrape surface.

In this application, the raw profile data was processed for multiple continuation surfaces using a 1D FFT transform to achieve maximum removal of the effects of the variation in terrain clearance from line-to-line and at traverse-tie line intersections.

The Compudrape process was designed to perform a loose drape transformation. The elevation channel is the magnetic sensor elevation above sea level. The Topography channel is the topography (i.e., sensor terrain clearance above ground subtracted from sensor elevation above sea level). The new observation height value is the desired constant drape height above ground. The end result is for a more acceptable merging of the different data sets to produce a relatively contiguous TMI image for the entire area covered by the two surveys. Microlevelling was performed again to get rid of line direction noise.

6.3.4 IGRF Removal

The International Geomagnetic Reference Field (IGRF) is a long-wavelength regional magnetic field calculated from permanent magnetic observatory data collected around the world. The IGRF is updated and determined by an international committee of geophysicists every 5 years. Secular variations in the Earth's magnetic field are incorporated into the determination of the IGRF.

Through the removal of the IGRF from the observed Total Magnetic Intensity (TMI), the resulting residual magnetic intensity provides for more valid modelling of individual near surface anomalies. Additionally, the data can be more easily incorporated into databases of magnetic data acquired in the past or to be acquired in the future.

6.3.5 Gridding

The corrected magnetic line data was interpolated between survey lines using a random point minimum curvature gridding algorithm to yield x-y grid values for a standard grid cell size of $1/5^{th}$ of the line spacing (70m).

6.3.6 Filter Derivatives

The Total Magnetic Intensity (TMI) data were subjected to:

- Reduction-to-the-Pole
- Calculation of the First Vertical Derivative (1VD)
- Calculation of the Second Vertical Derivative (2VD)
- Calculation of the Analytic Signal
- Calculated Horizontal Derivative

Colour/contour images were produced for all the above listed magnetic products.

All of these spatial filtering techniques were completed using the Oasis/Montaj Magmap and IGRF modules for filtering in the 2D FFT domain.

6.3.6.1 Reduction-to-the-Pole

To compensate for the shift of the true anomaly position over the causative source due to the magnetic inclination and declination, the magnetic data was recomputed so that magnetic anomalies will appear as they would if located at the north magnetic pole. The result of this operation is that in theory the magnetic anomaly is located directly overtop of the causative source. The computation is referred to as "reduction-to-the-pole" (RTP). The reduction-to-the-pole is computed using a FFT (Fast Fourier Transform) operator.

The RTP not only shifts the anomalies to their correct position with respect to the causative magnetic bodies, but assists in the direct correlation and comparison of magnetic anomalies, trends, structural axis, and discontinuities with mapped geologic surface expression.

6.3.6.2 First Vertical Derivative

To "sharpen" magnetic anomalies and to provide better spatial location of source axes and boundaries, a first vertical derivative map was computed from the RTP-TMI. Vertical derivatives compute the rate of change of the TMI as it drops off when measured vertically over the same point (upward continuation). Potential field data obeys Laplace's equation, which allows for the computation, through the application of analysis FFT, to take advantage of this symmetry and solve for the vertical or "z" component of the field.

6.3.6.3 Second Vertical Derivative

To enhance local magnetic anomalies and to outline the edges of anomalous bodies observed in the TMI, a second vertical derivative map was computed of the RTP_TMI. The Second Vertical Derivative map is a powerful interpretive tool and is used to assist in the delineation of causative bodies and accurate location of changes in the potential field gradient. Better definition of discontinuities and their relation to geology can be gained from the use of this tool. A Second Vertical Derivative map will show steep gradients over faults and positive closures over the "up thrown" blocks.

6.3.6.4 Analytic Signal

The Analytic Signal is the square root of the sum of the squares of the derivatives in the x, y, and z directions:

$$asig = sqrt\ (\ dx*dx + dy*dy + dz*dz\ )$$

where: asig is the Analytic Signal
sqrt is the square root of
dx is the horizontal gradient in the x direction
dy is the horizontal gradient in the y direction
dz is the vertical gradient in the z direction

The analytic signal is useful in locating the edges of magnetic source bodies, particularly where remanence and/or low magnetic latitude complicates interpretation.

6.3.6.5 Calculation of the Total Horizontal Derivative (TOTHDRV)

To highlight anomalous areas, which may be the result of a magnetic source of limited strike length, a Total Horizontal Derivative (TOTHDRV) is computed. The TOTHDRV is a powerful interpretive tool that can accurately define the edges of magnetic features such a dykes and vertical cylindrical geologic units that have sharp, but limited in area, magnetic gradients and geometry. A TOTHDRV will indicate peak gradients along the edges of narrow dykes and a circular, donut shaped anomaly over vertical cylinder sources.

7. DELIVERABLE PRODUCTS

The survey data is presented as colour/contour maps on paper, produced at a scale of 1:100,000 for Block 'A' & Block 'B' and 1:20,000 for Block 'A' Infill. A set of report-sized colour/contour images, on paper, is included as Appendix 5. The basic co-ordinate system used was NAD83, Universal Transverse Mercator (UTM) Zone 8N. All digital data are also presented on CD-ROM in ASCII format.

The deliverable items of this survey are:

7.1 Maps

The following maps, at a scale of 1:00,000 for the Block'A' & Block'B' and Block'A' Infill, at a scale of 1:20,000, are delivered in two (2) paper copies.

- Flight Path with Topography
- Digital Terrain Model (DTM)
- Total Magnetic Intensity (TMI)
- Total Magnetic Intensity (IGRF removed)
- Total Magnetic Intensity (CompuDrape)
- Total Magnetic Intensity (IGRF removed) CompuDrape
- Total Magnetic Intensity Reduced to the Pole (CompuDrape)
- First Vertical Derivative (1VD) (CompuDrape)
- Calculated Second Vertical Derivative (2VD) (CompuDrape)
- Calculated Analytic Signal of TMI (CompuDrape)
- Calculated Horizontal Derivative (CompuDrape)

7.2 Digital Data

The edited field and processed digital data are delivered in two (2) copies, in ASCII code, on CD-ROM. The final processed line and grid data, in GEOSOFT format, are also delivered in two (2) copies on CD-ROM. Full descriptions of the digital data formats are included in this final report and as text files on each CD-ROM.

7.3 Report

Two (2) copies of a survey report are delivered, complete with all final maps. This report provides information about the acquisition, processing and presentation of the survey data.

Respectfully submitted,
McPhar Geosurveys Ltd.

Dr. Thomas Grand
Chief Geophysicist
McPhar Geosurveys Ltd.

APPENDIX III

GEOLOLGICAL AND GEOTECHNICAL LOGS

CODES

Archer, Cathro & Associates (1981) Limited

STRUCTURE

Type		Attitude
AP	axial plane	*Example: Core Logging: 60 means 60 degrees from the long core axis; Surface Mapping: use the* ***right-hand rule*** *- 135/75 means 135 degrees azimuth with a 75 degree dip to the southwest.*
BD	bedded	
Bx	breccia	
CV	cleavage	
DE	deformed	
DY	dyke	
FLT	fault	
FA	fold axis	
FO	foliation	
Fx	fracture	
GO	gouge	
J	joint	
LA	laminated	
LI	lineation	
C	lithilogical contact	
SH	shear	
SL	sill	
SS	slickensides	
ST	stringer	
St	stylolite	
VN	vein (>10 cm)	
VT	veinlet (<10 cm)	

LITHOLOGY *(3 letters- large caps)*

Type		Type	
AGG	agglomerate	GAB	gabbro
AMT	amphibolite	GNE	gneiss
AND	andesite	GRD	granodiorite
ANO	anorthosite	GRN	granite
APL	aplite	GRT	grit
ARG	argillite	GST	greenstone
ARK	arkose	GWK	greywacke
BAS	basalt	HFL	hornfels
BXA	breccia	IGE	igneous rock
CBR	carbonate rock	IGN	ignimbrite
CAS	casing	IST	ironstone
CGL	conglomerate	LAH	lahar
CHT	chert	LMP	lamprophyre
CLS	calc-silicate rock	LST	limestone
CST	claystone	MAF	mafic rock
DAC	dacite	MBL	marble
DIA	diabase	MET	metamorphic rock
DIO	diorite	MIG	migmatite
DOL	dolostone	MNZ	monzonite
DUN	dunite	MST	mudstone
ECL	eclogite	MYL	mylonite
EPI	epiclastic	NOR	norite
EVA	evaporite	OVB	overburden
FEL	felsic rock	PEG	pegmatite
FLT	fault	PER	peridotide
		PHY	phyllite
		PYR	pyroxinite
		QTE	quartzite
		RHY	rhyolite
		SCH	schist
		SED	sedimentary rock
		SHL	shale
		SKN	skarn
		SLA	slate
		SLT	siltstone
		SST	sandstone
		STW	stockwork
		SYE	syenite
		TON	tonalite
		TUF	tuff
		VCL	volcaniclastic
		VEN	vein
		VOL	volcanic rock
		W	Wernecke Breccia

MODIFIERS *(2 letters-large caps)*

Colour

Always put prominent colour first: BN-RD, GY-LT

BF	buff
BG	biege
BK	black
BL	blue
BN	brown
BR	brass
BZ	bronze
CL	clear
GL	glassy
GN	green
GO	gold
GY	grey
MT	metallic
OL	olive
OR	orange
PK	pink
PU	purple
RD	red
SI	silver
TN	tan
TQ	turquoise
VO	violet
WH	white
YW	yellow
LT	light
MD	medium
DK	dark

Texture

AM	amygdaloidal
AN	aphanitic
BL	blebby
BN	banded
BO	box-work
Bx	breccia
CR	crackled
DI	dissemintated
DN	dendritic
DR	drusy
EA	earthy
EU	euhedral
EN	encrusting
FL	flow banded
FN	fenestral
GD	graded
GN	gneissic
IN	interstitial
LS	lens-lensoid
MA	massive
MO	mottled
ND	nodular
NE	net
OP	ophitic
PA	patches
PB	pebbly
PL	porphyroblastic
PO	porphyritic
RX	recrystallized
SA	sandy
SE	segragated
SH	schistose
SH	sheared
SP	spots
SR	streaked
ST	stained
St	stylolite
SU	sucrosic
VS	vesicular
VU	vuggy
WE	welded
XL	crystalline

FG	fine grain
MG	medium grain
CG	coarse grain

Additional "Modifiers" can be picked from any category to further describe a lithology; for example: BXA DOL He

additional modifiers:

AS	ash
BT	bioturbated
BK	block
BU	bouma
XT	crystal
DB	debris flow
EN	envelope
FD	flooded
FS	fossiliferous
GC	gas-charged
HY	hydraulic
IU	immature
LA	laminated
LP	lapilli
LI	liesgangue
MU	mature
PI	pillow
RA	radioactive
RU	rip-up clasts
SE	selvage
SM	stromatolitic
XN	xenolith

FOSSILS

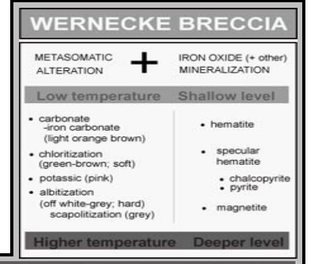
brac	brachiopods
grap	graptolites
crin	crinoids
tril	trilobites
strom	stromatilites

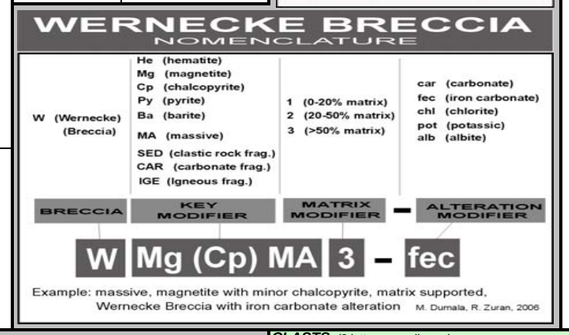
ALTERATION *(3 letters-small caps)*

alb	albitized
alt	altered
arg	argillic
ava	advanced argillic
bio	biotite
ble	bleached
car	carbonate
chl	chlorite
cly	clay
epi	epidotization
fec	iron carbonate
hem	hematization
hyd	hydrothermal
kao	kaolinized
lea	leached
lim	limonite
mno	manganese oxide
oxi	oxidation
phc	phyllic
pot	potassic
pro	propyllitic
sau	sauceritized
ser	seritized
sil	silicified
tou	tourmaline

INTENSITY *(1 letter-small caps)*

code	description	% range
n	none	0
t	trace	<1
tw	trace-weak	1-2
w	weak	2-3
f	fair	3-5
m	moderate	5-7
ms	moderate-strong	7-10
s	strong	10-15
I	intense	15-20
x	extreme	20-25
(%)	*use numeric*	>25





MINERALS *(2 letters - 1st large cap, 2nd small cap)*

Type		Type	
Ab	albite	Hb	hornblende
Ac	actinolite	He	hematite
Ae	augite	Hm	mushketovite
Ag	aragonite	Hs	specularite
Ak	ankerite	Hz	hydrozincite
Am	amphibole	Ja	jarosite
An	andalusite	Kf	K feldspar
Ap	apatite	Ky	kyanite
As	arsenopyrite	Li	limonite
At	anthophyllite	Ma	marcasite
Ax	axinite	Mb	molybdenite
Az	azurite	Mc	malachite
Ba	barite	Mg	magnetite
Bc	brochantite	Mn	Mg oxide
Bi	biotite	Mu	muscovite
Bo	bornite	Ne	nepheline
Br	brannerite	OB	obsidian
Bs	bismuthinite	Op	orthopyroxene
Ca	calcite	Or	orthoclase
Cb	carbonate	Or	othoclase
Cc	chalcocite	Ov	olivine
Cd	cordierite	Ox	oxide
Ch	chalcedony	Pb	pitchblende
Ci	cinnabar	Pd	pentlandite
Cl	chlorite	Pg	phlogopite
Co	cobaltite	Pl	plagioclase
Cp	chalcopyrite	Po	pyrrhotite
Ct	chloritoid	Ps	pyrolusite
Cv	covellite	Px	pyroxene
Di	diopside	Py	pyrite
Do	dolomite	Qz	quartz
Dr	dravite	Rh	rhodochrosite
Ep	epidote	Ru	rutile
Er	erythrite	Sa	sanidine
Fd	feldspar	Sa	sanidine
Fe	iron oxide	Sc	scapolite
Fl	fluorite	Se	sericite
Fu	fuchsite	Sh	scheelite
Ga	garnet	Si	siderite
Gn	galena	Sk	skutterudite
Go	goethite	Sl	schorl
Gr	graphite	Sm	smithsonite
Gy	gypsum	So	scorodite
		Sp	sphalerite
		Sr	serpentine
		St	stibnite
		Sx	sulphides
		Tc	talc
		To	tourmaline
		Tr	tremolite
		Tt	tetrahedrite
		Un	unknown
		Uo	uranium oxide
		Ur	uranophane
		VG	visible gold
		Wa	wad
		Wo	wollastonite
		Ze	zeolite

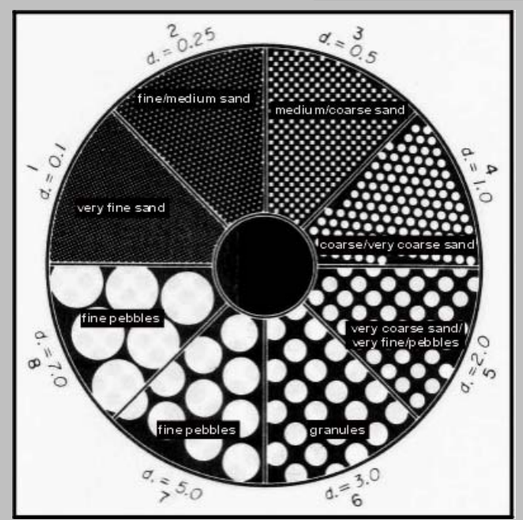
CLASTS *(2 letters - small caps)*

va	very angular	ro	rounded
an	angular	wr	well rounded
sa	subangular		
sr	subrounded		

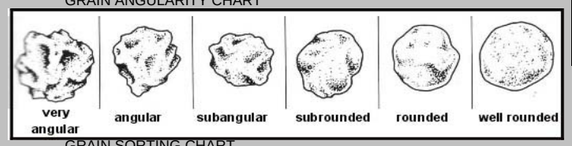
PARTICLE SIZE DEFINITION

Clast or crystal size in mm. Log scale	Sedimentary clasts		Volcaniclastic fragments	Crystalline rocks, igneous, metamorphic or sedimentary
	boulders			
256		G	blocks and bombs	
	cobbles	R		very-coarse-grained
64		A		very-coarse-crystalline
	pebbles	V	lapilli	
16		E		coarse-grained
		L		coarse-crystalline
4	granules			
2	very-coarse-sand			
1	coarse-sand	S		medium-grained
0.5 (1/2)	medium-sand	A	coarse-ash-grains	medium-crystalline
0.25 (1/4)	fine-sand	N		fine-grained
0.125 (1/8)	very-fine-sand	D		fine-crystalline
0.032 (1/32)	silt	M	fine-ash-grains	very-fine-grained
		U		very-fine-crystalline
0.004 (1/256)	clay	D		cryptocrystalline

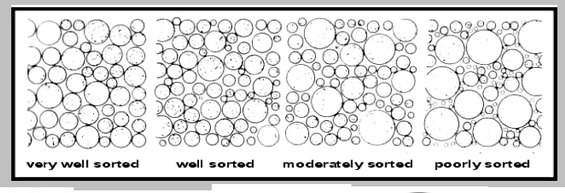
PARTICLE SIZE CHART

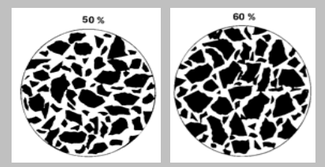


GRAIN ANGULARITY CHART

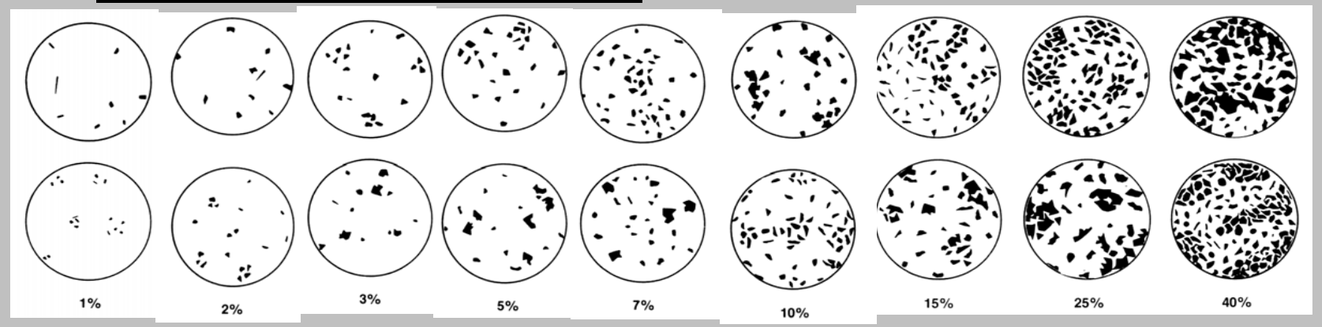


GRAIN SORTING CHART





PERCENTAGE ESTIMATION CHARTS



YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-01**	PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	006°	DIP:	-41.5°	DEPTH:	89.00 m

START:	June 15, 2006	day	END:	June 19, 2006	day

DRILL DOWN TIME: 2.5 days

REASONS: Heavy fog, unable to reach drill. Waiting to punch through cliff.

SAMPLES:

TOTAL NUMBER:	26
DATE SENT TO LAB:	June 27, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 76.00 m

TARGET DESCRIPTION:

High grade mineralization on cliff face. Hole planned to exit through cliff face.

DRILL CORE EVALUATION:

Brecciated siltstone to 60.83 m, generally background radioactivity.

12.80 to 15.85 m average 200 cps with a spot high of 900 cps

Olive green intensely altered siltstone breccia between 60.83 and 89.00 m, above average radioactivity

60.83 to 89.00 m average 250 cps with a spot high of 1300 cps

122 ppm U (0.0144 %U_3O_8) over 21.15 m (12.60 to 33.75 m)

365 ppm U (0.0434 %U_3O_8) over 17.52 m (57.83 to 75.35 m)

ADDITIONAL COMMENTS:

Hole exited cliff face below and to the east of the showing. Drill re-targeted accordingly for L06-02.

For unknown reasons, drill rod unscrewed downhole and slid out through cliff face.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	89.00

Casing: depth: 10 ft out

Core Size: btw

Logger: M.R.Dumala

Scintillometer: Sephymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	006	-41.5	chain/compas

Comments: Compas measurements unreallable around the drill pad due to a large magnetic anomaly. Drill set as shallow as physically possible. Rods broke off in hole while pulling out

Contractor: Core Tech

Hole: L06-01

Section:

Drilling dates: June 15 - June 19, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
	BD	35	0.00	16.30	16.30	SLT	GY	BD	CR		lim	t	cly	t	Finely bedded grey siltstone														
	VN	35													minor qz+cb vienlets														
															crackle texture														
5															increasses w/ depth														
	JT	30													Mc+Li along joints					Mc	t								
10															py+cp in cb veins	t	t												
															10,80-11,30 yellow+orange														
	FX	55													oxides coating joins					Mc	t								
															avg 130 cps, spot 150 cps														
															along fracture														
15	JT	30													Mc+Li along joint					Mc	t								
															15.54 pitchblende on FX, 900														
	FX	80							RA						cps locally							Pb	t						
			16.30	18.80	2.50	BX	GY	SH							brecciated SLT									SLT		5	SED		
															cb+Li on joints									SLT		20	SED		
			18.80	20.33	1.53	BX	LTGY	BX																					
20																													
			20.33	24.03	3.70	BX	DKGY	BX							lower interval crackle texture									SLT		10	SED		
															cb veinlet	t													
								CR																					
25			24.03	27.35	24.03	BX	GY	BX		RA					cb veinlets and matrix	t	t			Mc	t			SLT		15	SED	CAR	
	VT	60													cp+py in cb														
															locally 250 cps on cb vt														
			27.35	33.75	6.40	BX	LTGY	BX							qz+cb VT +cb+py	t	t							SLT		25	SED	CAR	
	VT	60															t												
30															red hematite in fractures		t	t											
							GY	CR							gradational darkening		t	t											
							DKGY	CR							disseminated py	t	t	t		Mc	t								
															hs+mc+yellow oxide along		t												
															joints, locally 200 cps		t												
35			33.75	47.73	13.98	SLT	GY	BD	CR						gradational contact	t	t												
	VT	45													35.60 1 cm qz+cb vt ~1% cp		w	t											
															red hs along vt's <2 mm														
															increasing qz vt's to 45 m														
40																													
	VT	50													qz+si vt's ~2 cm	t				Si	w								
	VT	20													43.50 AK VT ~2 cm w/ t py	t				Ak	m								
45															110-120 cps (bkgnd)														
			47.73	53.40	5.67	BX	DKGY	BX			chl	t	car	t	gradational contact					Ak	t			SLT		10	SED	CAR	
	VT	80													qz+cb VT's 7 mm to 1 cm														
50															2-3 per metre														
	VT	50	53.40	60.83	7.43	SLT	GY	BD	CR						qz+cb VT's 1-3cm w/ cp		t			Ak	t								
	BD	35													130 cps														
55																													
															250 cps at 59.60			t											
60																													
			60.83	62.96	2.13	BX	GYGN		CR		chl	t	ser	t										SLT		5	SED	CAR	
															vein zone, includes fragments														
			62.96	63.15	0.19	VEN	PKBN								of lower unit									SLT	BX	10	SED	CAR	
			63.15	89.00	25.85	BX	GYGN								gradational transition		t							SLT	JAS	15	SED	CAR	
65															soft pale green bx		t												
										RA					plasticy appearance		t												
										RA					cp along fx w/ li		t			pb	t								
															whispy pb on fx		t												
															66.11 1000 cps on fx		t												
70																													
										RA					70.50 300 cps on fx														
75										RA					74.52-75.35 450-1300 cps	t	t			pb	t								
										RA					1300 cps over ~2 cm	t	t												
															radioactivity along fx														
80																													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	3.66	3.66	130		2.70	74	0.11	3	4	SW	4	20	50	3	4	CY	5
								3.66	6.71	3.05	140		2.90	95	1.33	44	9	SW	4	15	45	2	4	CY	2
5																									
	6.71	9.75	3.04	C103701	87	38	15	6.71	9.75	3.04	150		3.02	99	1.64	54	10	FR	4	8	55	2	4	A	2
10	9.75	12.60	2.85	C103702	63	30	6	9.75	12.80	3.05	145		2.78	91	2.08	68	11	FR	4	5	60	2	4	LI	1
	12.60	14.95	2.35	C103703	116	63	2	12.80	15.85	3.05	200		2.93	96	2.16	71	12	FR	4	6	55	3	3	LI	2
15																									
	14.95	16.30	1.35	C103704	580	81	7																		
								15.85	17.37	1.52	170		1.87	110	0.93	61	10	FR	4	8	60	3	3	LI	3
	16.30	18.80	2.50	C103705	67	31	5	17.37	18.90	1.53	160		1.14	75	0.38	25	8	FR	4	10	70	3	4	LI	1
								18.90	21.95	3.05	170		2.78	91	2.39	78	13	FR	4	4	60	2	2	LI	2
20																									
	20.33	24.03	3.70	C103707	47	26	13																		
								21.95	24.99	3.04	180		3.05	100	2.73	90	13	FR	4	3	65	5	4	QZ	2
								24.99	28.04	3.05	180		3.13	103	2.78	91	12	FR	4	3	70	3	4	QZ	3
25	24.03	27.35	3.32	C103708	145	115	23																		
	27.35	29.78	2.43	C103709	88	17	7																		
								28.04	29.57	1.53	150		1.54	101	1.44	94	13	FR	4	3	70	3	3	QZ	2
30	29.78	33.75	3.97	C103710	101	43	19	29.57	31.09	1.52	150		0.97	64	0.27	18	6	FR	5	10	60	3	3	Fe	1
								31.09	33.53	2.44	180		2.57	105	1.80	74	8	FR	4	9	55	2	1	LI	1
	33.75	36.75	3.00	C103711	49	45	27	33.53	35.66	2.13	140		2.21	104	1.84	91	13	FR	5	5	50	3	3	LI	2
35								35.66	37.19	1.53	105		1.41	92	1.37	90	10	FR	4	6	45	3	4	LI	2
								37.19	40.23	3.04	105		2.65	87	2.66	88	13	FR	5	5	50	2	3	LI	2
40																									
								40.23	43.28	3.05	110		3.10	102	1.58	52	10	FR	5	9	30	2	2	LI	1
								43.28	46.33	3.05	110		3.04	100	2.49	82	13	FR	4	7	45	2	3	LI	2
45																									
								46.33	49.38	3.05	110		3.03	99	2.63	86	14	FR	5	3	45	3	3	LI	1
								49.38	52.43	3.05	110		2.90	95	2.71	89	13	FR	4	3	50	2	3	LI	2
50																									
								52.43	55.47	3.04	120		3.11	102	2.72	89	12	FR	4	6	55	2	3	Cb	3
55								55.47	58.52	3.05	140		3.04	100	2.40	79	13	FR	4	5	45	3	3	LI	2
	57.83	60.83	3.00	C103712	210	59	64																		
								58.52	61.57	3.05	190		2.94	96	2.94	96	13	FR	4	6	55	2	3	LI	2
60																									
	60.83	62.46	1.63	C103713	220	53	28																		
								61.57	64.62	3.05	190		2.70	89	1.83	60	11	SW	5	6	45	3	3	LI	1
	62.46	65.45	2.99	C103714	200	33	610																		
65								64.62	67.67	3.05	300		2.84	93	2.11	69	12	SW	4	8	45	2	2	Cy	2
	65.45	66.45	1.00	C103715	1440	80	48																		
	66.45	69.50	3.05	C103716	160	119	44																		
								67.67	70.71	3.04	170		2.94	97	1.84	61	11	SW	4	8	50	3	3	Cy	1
70																									
	69.50	71.56	2.06	C103717	275	141	9	70.71	73.76	3.05	170		3.00	98	2.65	87	12	SW	4	4	55	2	3	LI	1
	71.56	73.06	1.50	C103718	320	109	11																		
								73.76	76.81	3.05	180		3.01	99	2.51	82	12	SW	4	7	55	3	3	LI	2
	73.06	74.52	1.46	C103719	145	142	40																		
75	74.52	75.35	0.83	C103720	1970	84	26																		
	75.35	77.44	2.09	C103722	77	44	470	76.81	79.86	3.05	300		3.04	100	2.58	85	13	SW	4	6	60	4	3	LI	2
	77.44	80.40	2.96	C103723	29	46	11																		
								79.86	82.91	3.05	200		2.77	91	1.50	49	10	SW	4	9	45	3	2	LI	1
80																									
	80.40	83.96	3.56	C103724	38	72	12																		

Hole: L06-01 Section: Drilling dates: June 15 - June 19, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Co (ppm)	ASSAYS Mo (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
	vt	60													cb vt's		t																					82.91	85.95	3.04	190		3.06	101	2.22	73	11	SW	4	9	35	4	3	Li	1
															iron oxide on fx																83.96	85.95	1.99	C103725	69	28	6																					
85																																					85.95	86.87	0.92	180		1.44	157	0.54	59	7	SW	4	20	40	3	3	Li	1
											CY	w	SER	w	85.85 becomes rubbly																85.95	89.00	3.05	C103726	51	38	12	86.87	89.00	2.13	130		1.53	72	0.21	10	6	SW	4	25	40	4	3	Li	1
																																		C103721 "BLANK"	<2	1	<1																					
90			89.00												EOH																																										
															rods daylighted approximately 15 m downslope and 5 m east from target																																																

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-02**	PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	000°	DIP:	-41.5°	DEPTH:	82.90 m

START:	June 19, 2006	day	END:	June 20, 2006	night

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER:	19
DATE SENT TO LAB:	July 2, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 78.00 m

TARGET DESCRIPTION:

High grade mineralization on cliff face. Hole planned to exit through cliff face.
Orientation adjusted accordingly from results of L06-01

DRILL CORE EVALUATION:

Brecciated siltstone to 62.89 m, generally background radioactivity.
11.28 to 17.37 m average 150 cps with a spot high of 600 cps

Olive green intensely altered siltstone breccia between 62.89 and 82.90 m, above average radioactivity
62.89 to 82.90 m average 250 cps with a spot high of 3200 cps

295 ppm U (0.0348 %U_3O_8) over 3.05 m (11.28 to 14.33 m)

195 ppm U (0.0230 %U_3O_8) over 6.43 m (29.57 to 36.00 m)

1157 ppm U (0.1401 %U_3O_8) over 16.44 m (58.85 to 75.29 m)

including: 2692 ppm U (0.3243 %U_3O_8) over 2.99 m (60.85 to 63.84 m)

and: 3300 ppm U (0.4130 %U_3O_8) over 1.66 m (73.63 to 75.29 m)

ADDITIONAL COMMENTS:

Hole exited cliff face beneath target.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

Comments: Shifted drill 6° to west, same dip as L06-01
Contractor: Core Tech

East	North	Elev.	Depth
580176	7204142	2099	82.90

Casing: depth: 10 ft out
Core Size: bbw
Logger: M.R.Dumala
Scintillometer: Sephymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-41.5	chain/compas

Hole: L06-02 **Section:** 000 **Drilling dates:** June 19 to 20, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	62.89	62.89	SLT	GY	CR							grey siltstone w/ BX bands														
5	VT	60									Ha	t			5.48-5.60 Ha altd qz+cb VT														
	BD	35													w/ SLT clasts														
10																													
	BD	25								RA	Li	t	HEN	t	11.28-14.33 250cps					Mc	t								
															(spot 500cps/1 cm)		t												
15															Qz+Cb VT's ~3/m 1/2-1 cm		t												
	VT	50													w/ cp starting ~15 m		t												
	FX	25									HEN	t	Li	t	Cb veins increase w/ depth		t												
20											Li	t	HEN	t	Li+Ha altn on FX & Cb VT's	t	t												
																t	t												
															Mc on FX	t	t			Mc	t								
	BD	50													Cobaltite? Dark steel grey	t	t			Co	t								
															metallic mineral w/ CB VT	t	t												
25															altering to black	t	t												
																t	t												
																t	t												
																t	t												
															29.57-29.93 w-m py+/-cp	t	t												
30	FT	45													29.93 2 cm VNFT	m	w												
															yellow oxide on FX	t	t												
															steel blue/grey metallic xtals	t	t			Co	t								
								CR							within py blebs	t	t												
	FX	80						BX							33.39 Er on FX					Er	t								
35								BX			CHL	t			33.50-38.50 increased BX														
								BX			CHL	t			35.67 cb VT w/ ER along	t				Er	t	Co	t						
								BX							selvages, 1 cm														
								BX							Co inside Er														
								CR																					
40																													
								SU	FG	SS					40.22-40.35 SR bt														
	FX	80									HEN	T			hem altn along FX w/ SS			t											
	VT	70													large ~2cm qz+cb VT's														
45										SS																			
								BX																					
								CR																					
50																													
55																													
								BX																					
								BX																					
60																t													
	FX	50						BX			CY	t			altn along FX	t													
								BX	SR		CY	t			Brecciated contact	t													
			62.89	82.90	20.01	BX	TNGN	BX		RA														SLT	JAS	5	SED	CAR	
65										RA					yellow oxide on FX	t	t			pb	t								
	VT	50								RA					2500 cps/30cm	t	t												
										RA					Cb VT w/ py+cp														
										RA					66.55-69.10 300-500 cps														
										RA																			
70										RA						t													
										RA						t													
										RA						t													
										RA						t													
										RA						t													
75										RA						t													
										RA						t													
										RA						t													
										RA						t													
80										RA																			
										RA						t													
										RA					1000-2000 cps over 30 cm	t	t													
			82.91							RA	HEN	t			EOH	t	t													

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
11.28	14.33	3.05	C103743	295	53	32
26.52	29.57	3.05	C103727	50	23	11
29.57	30.61	1.04	C103728	580	1130	39
30.61	32.61	2.00	C103729	56	9	16
32.61	35.00	2.39	C103730	96	47	47
35.00	36.00	1.00	C103731	310	1050	35
57.00	58.85	1.85	C103744	95	28	41
58.85	60.85	2.00	C103745	700	88	125
60.85	62.89	2.04	C103732	1570	88	125
62.89	63.84	0.95	C103733	5100	103	17
63.84	66.55	2.71	C103735	660	211	736
66.55	69.19	2.64	C103736	630	65	404
69.19	71.19	2.00	C103737	271	67	312
71.19	73.63	2.44	C103738	40	96	323
73.63	75.29	1.66	C103739	3300	231	115
75.29	78.33	3.04	C103740	182	62	8
78.33	80.33	2.00	C103741	25	66	14
80.33	82.90	2.57	C103742	130	52	7
			C103734	<2	2	<1

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
0.00	2.13	2.13	100	
2.13	5.18	3.05	110	
5.18	8.23	3.05	110	
8.23	11.28	3.05	140	
11.28	14.33	3.05	130	
14.33	17.37	3.04	150	
17.37	20.42	3.05	120	
20.42	23.47	3.05	110	
23.47	26.52	3.05	120	
26.52	29.57	3.05	110	
29.57	32.61	3.04	110	
32.61	35.66	3.05	110	
35.66	38.70	3.04	120	
38.70	41.76	3.06	130	
41.76	44.81	3.05	120	
44.81	47.85	3.04	120	
47.85	50.90	3.05	120	
50.90	53.95	3.05	120	
53.95	57.00	3.05	120	
57.00	60.05	3.05	130	
60.05	63.09	3.04	500	
63.09	65.53	2.44	300	
65.53	69.19	3.66	200	
69.19	72.24	3.05	200	
72.24	75.29	3.05	130	
75.29	78.33	3.04	200	
78.33	81.38	3.05	200	
81.38	82.90	1.52	150	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
1.00	47	0.10	5	3	SW	S
2.10	69	0.92	30	7	SW	S
2.80	92	1.20	39	6	SW	S
3.00	98	2.16	71	10	FR	S
2.85	93	1.94	64	9	FR	S
3.11	102	2.50	82	11	FR	S
2.60	85	2.10	69	11	FR	S
2.90	95	2.20	72	10	FR	S
2.77	91	2.10	69	10	FR	S
2.99	98	2.00	66	12	FR	S
2.80	92	2.42	80	12	FR	S
2.85	93	2.39	78	12	FR	S
2.80	92	2.50	82	12	FR	S
2.90	95	2.64	86	12	FR	S
2.94	96	2.45	80	12	FR	S
3.00	99	2.60	86	13	FR	S
3.30	108	2.60	85	10	FR	S
3.00	98	2.54	83	12	FR	S
3.00	98	2.31	76	10	SW	S
2.90	95	2.36	77	11	SW	S
3.10	102	2.02	66	11	SW	S
2.30	94	0.78	32	6	SW	S
3.60	98	2.34	64	11	SW	S
3.14	103	1.16	38	10	SW	S
3.00	98	1.20	39	9	SW	S
2.83	93	1.48	48	10	SW	S
2.82	92	1.66	54	11	SW	S
1.67	110	1.18	78	10	SW	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
5	80	5	3	Cy	2
4	30	4	4	Li	2
3	60	3	3	Li	2
4	75	4	3	Li	1
2	65	2	3	Li	1
4	50	4	3	Li	1
3	60	3	2	Li	3
3	45	3	2	Cb	1
3	40	3	2	Li	2
4	65	4	4	Li	1
3	50	3	3	Li	1
4	70	4	4	Cb	1
3	70	3	3	Li	1
3	40	3	2	Li	3
3	75	3	3	Li	2
3	60	3	2	Li	2
4	40	4	3	Li	2
4	45	4	3	Li	2
4	60	4	2	Li	1
5	70	5	3	Li	2
5	45	5	5	Li	1
3	60	3	3	Li	2
5	70	4	2	Li	1
5	40	5	4	Li	2
4	40	4	3	Li	1
4	45	4	4	Li	1
5	30	5	5	Li	1

Hole: L06-02 Section: 000 Drilling dates: June 19 to 20, 2006

Depth (m)	Struct.		LITHOLOGY								ALTERATION				+	MINERALS						BRECCIA						ASSAYS						Blocks			Radiometrics (average)	Magnetics	GEOTECHNICAL						JOINTS					
											Prim.		Sec.									Clasts		Matrix																REC		RQD										
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Type	Intensity	Type	Intensity	Notes:	Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	Primary	Second	Percent	Primary	Second	Minor	From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	From (m)	To (m)	Int'vl. (m)			(m)	Percent	(m)	Percent	Breakage	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
															Hole punched through cliff																	"Blank"																			

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-03**			PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	000°	DIP:	-45°	DEPTH:	82.29 m

START:	June 21, 2006	morning	END:	June 21, 2006	afternoon

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER:	14
DATE SENT TO LAB:	July 2, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 78.00 m

TARGET DESCRIPTION:

Downdip extension of mineralization seen on cliff face.

DRILL CORE EVALUATION:

Brecciated siltstone to 62.90 m, generally background radioactivity.

26.52 to 29.57 m average 110 cps with spot highs of 600 cps

Olive green intensely altered siltstone breccia between 62.90 and 82.29 m, above average radioactivity

62.90 to 82.29 m average 175 cps with spot highs of 1000 cps

240 ppm U (0.0283 %U_3O_8) over 2.06 m (27.71 to 29.77 m)

409 ppm U (0.0482 %U_3O_8) over 22.24 m (60.05 to 82.29 m)

ADDITIONAL COMMENTS:

Extreme icing conditions near bottom. Cliff face assumed to be within 10 ft, hole stopped to avoid punching out.

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	82.29

Casing: depth: 10 ft out

Core Size: bbw

Logger: M.R.Dumala

Scintillometer: Saphymo Stel SPP_2 NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-45	chain/compas

Comments: Same section line as L06-02
Contractor: Core Tech

Hole: L06-03 **Section:** 000 **Drilling dates:** June 21, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	17.60	17.60	SLT	GY	BD	CR						CR to BX w/ depth														
	VT	60													Cb VT's from start 1-3 mm 5-10 /m														
5																													
	FX	60									HEM	T			He alt'n on FX/Cb VT's														
10								BX																					
								BX																					
	FX	60													Mc along FX					Mc	t								
															Mc along FX, Cp filling JT/FX		t			Mc	t								
15																													
	VT	80	17.60	17.75	0.15	FLT		BX							Er+Mc coating FX					Er	t	Mc	t	SLT		10	SED	CAR	
	FX	35	17.75	56.33	38.58	SLT	GY	BX							similar to 0-17.60 more BX														
20								BX																					
								BX																					
																	t												
25								BX			CHL	t			fg-su clasts 10-50 cm									SLT		5	SED	CAR	
							GY	BX																		10	SED	CAR	
							DKGY	BX																		10	SED	CAR	
	FX	80					GY	BX		RA					27.78 600 cps on cb VT														
								BX																					
30								BX			Li	t			qz+cb, py going to li	t													
								BX																					
35																		t								20	SED	CAR	
															red he on FX/JT			t											
40																													
45																													
50																													
	VT	60													51.70 & 51.90 2 cm qz+cb														
55																	t												
															strongly BX L.C.														
			55.33	62.90	6.57	BX	LTGY	SR							transitional zone weak shear texture														
60										RA					250-500 cps, 60.15-61.15														
	FX	80								RA					400-1000 cps, 61.15-62.90 Cp+Pb FX		t			Pb	t								
										RA						t													
			62.90	82.29	19.39	BX	TNGN			RA	CLY	t	SER	t	chl xtals in mx +/- t py	t	t			Cl	t			SLT	JAS	15	SED	CAR	CHL
65										RA						t	t												
										RA						t													
										RA						t													
										RA						t													
70										RA						t													
										RA						t	t												
										RA						t													
										RA					dark-silvery min on FX Co? w/ cb	t				Co	t	CL	t						
										RA						t													
75										RA																			
										RA					darkening of matrix									JAS	SLT	20	SED	CHL	CAR
										RA					more jasper in clasts					Mc	t								
										RA					Mc and oxides on FX														
	VT	60								RA					qz+cb vt's 2 mm														
80										RA																			
										RA																			
			82.29							RA					EOH														

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
17.37	20.42	3.05	C103746	64	38	16
25.47	27.71	2.24	C103747	84	102	13
27.71	29.77	2.06	C103748	240	74	46
29.77	32.61	2.84	C103749	71	25	7
57.00	60.05	3.05	C103750	175	53	34
60.05	62.89	2.84	C103751	900	103	51
62.89	64.89	2.00	C103752	640	53	433
64.89	67.89	3.00	C103753	450	74	254
67.89	69.91	2.02	C103754	94	116	34
69.91	72.24	2.33	C103755	240	129	36
72.24	75.29	3.05	C103756	71	69	8
75.29	77.48	2.19	C103757	820	64	11
77.48	79.48	2.00	C103758	161	45	18
79.48	82.29	2.81	C103759	295	56	19

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
0.00	7.62	7.62	120	
7.62	10.67	3.05	110	
10.67	11.28	0.61	120	
11.28	14.33	3.05	110	
14.33	17.37	3.04	110	
17.37	20.42	3.05	130	
20.42	23.47	3.05	120	
23.47	26.52	3.05	105	
26.52	29.57	3.05	110	
29.57	32.61	3.04	110	
32.61	35.66	3.05	120	
35.66	38.71	3.05	120	
38.71	41.76	3.05	120	
41.76	44.81	3.05	130	
44.81	47.85	3.04	150	
47.85	50.90	3.05	150	
50.90	53.65	2.75	130	
53.65	57.00	3.35	130	
57.00	60.05	3.05	120	
60.05	63.09	3.04	400	
63.09	66.14	3.05	120	
66.14	69.19	3.05	120	
69.19	72.24	3.05	130	
72.24	75.29	3.05	140	
75.29	78.33	3.04	120	
78.33	81.38	3.05	180	
81.38	82.29	0.91	180	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
4.30	56	1.50	20	5	SW	S
2.90	95	2.12	70	11	SW	S
0.65	107	0.32	52	10	SW	S
2.90	95	1.97	65	11	FR	S
3.00	99	1.50	49	12	FR	S
2.92	96	1.08	35	9	FR	S
3.10	102	2.21	72	13	FR	S
3.00	98	2.25	74	12	FR	S
3.02	99	2.50	82	13	FR	S
3.00	99	2.80	92	13	FR	S
2.90	95	2.08	68	12	FR	S
2.86	94	2.35	77	13	FR	S
2.94	96	2.30	75	12	FR	S
2.89	95	2.14	70	12	FR	S
2.85	94	2.16	71	10	FR	S
2.81	92	2.55	84	13	FR	S
2.91	106	2.42	88	13	FR	S
2.63	79	2.05	61	10	FR	S
2.95	97	2.42	79	13	FR	S
2.83	93	2.20	72	12	FR	S
3.04	100	2.23	73	11	SW	S
2.85	93	1.52	50	11	SW	S
3.04	100	2.23	73	13	SW	S
2.90	95	2.39	78	12	SW	S
3.01	99	2.36	78	12	SW	S
2.78	91	2.40	79	13	SW	S
1.30	143	1.10	121	10	SW	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
20	45	4	2	Li	1
8	70	4	3	Li	1
16	60	3	2	Li	1
7	80	5	3	Li	2
9	50	4	3	Li	1
18	40	5	4	Li	2
6	60	4	4	Li	2
4	50	5	4	Cb	1
4	40	4	4	Li	1
4	40	4	4	Li	1
7	45	4	2	Li	1
4	80	4	2	Cb	1
5	45	3	3	Li	1
4	45	4	3	Li	1
4	60	4	3	Li	1
3	50	3	3	Li	1
3	60	3	3	Li	1
5	60	5	3	Li	1
4	45	3	2	Li	1
4	45	3	2	Li	2
6	65	4	3	Li	1
5	70	2	2	Li	1
4	45	4	4	U	1
4	70	3	2	Li	1
5	45	4	2	Li	1
4	45	3	2	Li	2
4	60	3	2	Li	1

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-04**			PAD:	**1**
EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	000°	DIP:	-55°	DEPTH:	85.34 m
START:	June 21, 2006	day		END:	June 23, 2006 day

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER:	16
DATE SENT TO LAB:	July 2, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 80.00 m

TARGET DESCRIPTION:

Down dip extension of mineralization seen in L06-02 and L06-03.

DRILL CORE EVALUATION:

Brecciated siltstone to 62.42 m, above average radioactivity.

50.90 to 57.00 m average 200 cps with multiple 10 to 30 cm intervals >3000 cps radioactivity associated with fractures and chalcopyrite

Olive green intensely altered siltstone breccia between 62.42 and 83.56 m, above average radioactivity

hematite alteration towards bottom of interval

62.42 to 75.29 m average 220 cps with a spot high of 600 cps

Hematite breccia between 83.56 and 85.34 m, gradational upper contact, background radioactivity

638 ppm U (0.0765 %U_3O_8) over 24.80 m (53.53 to 78.33 m)

including: 4400 ppm U (0.5330 %U_3O_8) over 2.22 m (53.53 to 55.75 m)

ADDITIONAL COMMENTS:

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	85.34

Casing: depth: 10 ft out

Core Size: bbw

Logger: M.R.Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-55	chain/compas

Comments:
Contractor: Core Tech

Hole: L06-04 **Section:** 000 **Drilling dates:** June 21 to 23, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Clasts Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
			0.00	62.42	62.42	SLT	GY	CR							crackle to brecciated cb/Mt's															
6																														
10																														
	FX	60													t Mc on FX					Mc	t									
15																														
20															19.15-20.12 FLT & Rubble															
											cly	t	hem	t																
25											cly	t																		
30																														
																								SLT		30	cb	sed		
											hem	t			FG-GU bands <30cm t hem altn red hem in FX			t												
35	VT	65													Cp w/ cb VT		t													
40																														
															48.23-48.43 qz+cb VT															
45										RA					50.90 4000 cps on FX		t	t		pb	t									
										RA						t	t	t												
										RA					53.90 9000 cps w/ FX	t	t	t		pb	t									
50										RA					FX 40-60° <1 mm	t	t	t												
																	t	t												
																	t	t												
55																	t	t												
60							LTGY								contact appears gradational from 60.05															
			62.42	63.56	21.14	BX	TNGN				ser	t	car	t	63.05-63.75 healed fit									slt	jas	30	sed	car		
65																														
70																														
							TNPK				hem	t	ser	t	incr/ hem altn of clasts															
75																														
															spec hem in mx															
											hem	w																		
															hem altd slt									slt	jas	50	sed	car	hem	
80											hem	m																		
											hem	t			hem altd clasts gradational contact															

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Co (ppm)	ASSAYS Mo (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
								0.00	2.13	2.13	130		1.20	56	0.00	0	3			50	80	5	3		
6								2.13	5.18	3.05	140		2.90	95	0.88	28	9			20	60	5	4		
								5.18	8.23	3.05	110		3.13	103	2.18	71	11			6	60	5	3		
10								8.23	11.28	3.05	110		3.10	102	2.32	76	10			7	50	3	3		
								11.28	14.33	3.05	120		3.10	102	2.11	69	12			6	45	2	2		
15								14.33	17.37	3.04	120		2.78	91	2.21	73	10			6	80	3	3		
								17.37	20.12	2.75	110		2.22	81	1.33	48	10			6	45	3	3		
20																									
								20.12	23.16	3.04	110		2.88	95	2.48	82	13			5	80	3	4		
25								23.16	26.37	3.21	120		2.91	91	2.31	72	12			5	70	2	2		
								26.37	29.41	3.04	120		3.10	102	2.78	91	13			4	80	4	3		
30								29.41	32.11	2.70	110		2.86	106	2.60	96	13			3	70	3	3		
								32.11	35.66	3.55	120		2.87	81	2.61	74	12			3	70	3	2		
35								35.66	38.71	3.05	150		3.06	100	2.34	77	11			5	45	4	2		
								38.71	41.76	3.05	120		2.90	95	2.23	73	11			5	45	3	3		
40								41.76	44.81	3.05	125		2.86	94	2.40	79	12			4	45	3	2		
								44.81	47.85	3.04	130		2.83	93	2.41	79	13			3	45	2	2		
45	47.85	50.90	3.05	C103760	34	22	44	47.85	50.90	3.05	110		2.88	94	2.50	82	13			3	60	4	3		
	50.90	53.53	2.63	C103761	160	59	69	50.90	53.95	3.05	160		2.73	90	2.22	73	11			5	50	4	3		
50	53.53	55.75	2.22	C103762	4400	130	75	53.95	57.00	3.05	220		2.91	95	2.67	88	13			3	45	3	3		
	55.75	57.98	2.23	C103764	178	73	12																		
55	57.98	60.05	2.07	C103765	151	103	67	57.00	60.05	3.05	180		2.83	93	2.33	76	13			2	45	3	3		
60	60.05	62.42	2.37	C103766	96	68	105	60.05	63.09	3.04	140		2.96	97	2.59	85	12			3	45	4	3		
	62.42	65.40	2.98	C103767	340	36	679	63.09	66.11	3.02	200		2.91	96	2.28	75	12			3	45	3	3		
65	65.40	68.40	3.00	C103768	210	22	70	66.11	69.19	3.08	200		2.88	94	2.50	81	13			3	50	3	2		
	68.40	71.28	2.88	C103769	340	26	149	69.19	72.21	3.02	300		2.79	92	2.27	75	13			3	40	2	2		
70	71.28	73.31	2.03	C103770	710	27	11	72.21	75.29	3.08	170		3.03	98	2.48	81	13			3	60	3	3		
	73.31	76.08	2.77	C103771	240	38	3																		
75								75.29	78.33	3.04	130		3.04	100	2.70	89	14			3	60	2	2		
	76.08	78.33	2.25	C103772	177	116	10																		
	78.33	81.38	3.05	C103773	37	195	9	78.33	81.38	3.05	100		2.31	76	1.86	61	11			4	45	3	2		
80																									
	81.38	83.56	2.18	C103774	21	62	13	81.38	83.82	2.44	110		3.10	127	2.93	120	14			2	80	4	3		

Hole: L06-04 Section: 000 Drilling dates: June 21 to 23, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Co (ppm)	ASSAYS Mo (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
			83.56	85.34	1.78	BX	GYPK				hem	t			hem alt clasts/spec hem mx			M						JAS		40	car	hem		83.56	85.34	1.78	C103775	11	36	3	83.82	85.34	1.52	110		2.08	137	1.32	87	10			6	70	3	3		
85															bx appears as above but w/ hem matrix																																								
	FO	10						FL							weak flow bd/fol sub par TCA																		C103763 "BLANK"	<2	<1	<1																					
			85.34												EOH																																								
90																																																								

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-05**	PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	000°	DIP:	-65°	DEPTH:	117.96 m

START:	June 23, 2006	day	END:	June 29, 2006	day

DRILL DOWN TIME: 4.5 days

REASONS: Water source dried up on the morning of June 25th.

1200' extension to waterline and pump repairs required.

SAMPLES:

TOTAL NUMBER: 22

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 125.00 m

TARGET DESCRIPTION:

Down dip extension of mineralization seen in L06-02 to L06-04 and underlying stratigraphy

DRILL CORE EVALUATION:

Brecciated siltstone to 64.92 m, generally background radioactivity.
57.00 to 60.05 m average 120 cps with a spot high of 600 cps

Olive green intensely altered siltstone breccia between 64.92 and 78.64 m, background radioactivity
highest radioactivity (270 cps) at upper contact

Pink breccia between 78.64 and 85.34 m, gradational upper contact, background radioactivity
albite and hematite alteration

Grey dolomitized siltstone between 85.34 and 117.96 m, background radioactivity
specular hematite in narrow bands parallel to bedding

120 ppm U (0.014 %U_3O_8) over 2.41 m (21.66 to 24.07 m)

254 ppm U (0.030 %U_3O_8) over 8.15 m (56.22 to 64.37 m)

ADDITIONAL COMMENTS:

Rods were stuck prior to waterline quitting. Unable to get out without water, once the waterline was restored the rods were frozen in. Hole stopped short of target depth.

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	117.96

Casing: depth: 10 ft out

Core Size: btw

Logger: M.R.Dumala/R. Foubister

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-85	chain/compas

Comments:
Contractor: Core Tech

Hole: L06-05 **Section:** 000 **Drilling dates:** June 23 to 29, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	21.73	21.73	SLT	GY	CR																					
5																													
10																													
15															250 cps above 30 cm sandy band														
	BD	5																											
20																													
															broken to L.C.														
			21.73	22.45	0.72	FLT	BN	BX			ll	m	cly	m	main fault 22.25-22.45														
			22.45	64.37	41.92	SLT	GY	BX			cly	t			stronger BX towards U.C.								SLT		30	SED	CAR		
25	VT	60													Cb VT's 1-2 mm 3/m 60° VT x-cut 30° Cb VT														
30																													
35																													
40								CR																					
	BD	35													1 cm qz+cb VT ~par to BD	w													
	VT	20													M-py in VT 250 cps														
45	FX	75						CR							plastic+soft+semitransparent mineral filling fx <1 mm														
	FX	70													300 cps on FX w/ cp+hem		t	t											
50																													
							LTGY	CR			cly	t			larger clasts less CR text.														
55							GY																						
															Mc along FX				Mc	t									
60						SLT	GY	BX	RA						300 cps over 30 cm														
															py w/ cb VT + blebs 270 cps														
											hem	t																	
65			64.37	78.15	13.78	BX	OLPK	BX			cly	t	ser	t	pink-olive BX w/ hem altn								SED	JAS	15	SED	CAR		
							PKTN																						
70											chl	w	ser	t	sericite altd class+matrix														
							TNPK								hem altd clasts														
75							PKRD				hem	w	chl	t	chl+hem altd clasts														
							GNGY								glassy appearance														
			78.18	85.20	7.02	BX	PKGY								spec hem in MX			t					SED	JAS	20	SED	HEM		
80																		t											
																		t											
																		t											

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
11.28	14.33	3.05	C103776	92	75	34
14.33	17.37	3.04	C103801	30	27	4
17.37	20.42	3.05	C103802	27	26	9
20.42	21.66	1.24	C103803	16	10	5
21.66	24.07	2.41	C103777	120	153	101
24.07	26.52	2.45	C103804	35	17	13
26.52	29.57	3.05	C103805	47	15	10
29.57	32.61	3.04	C103806	65	16	11
32.61	35.66	3.05	C103807	22	42	6
35.66	38.71	3.05	C103808	25	35	73
38.71	41.76	3.05	C103778	24	35	61
41.76	43.30	1.54	C103809	29	19	72
43.30	45.84	2.54	C103810	28	26	73
45.84	48.57	2.73	C103779	87	37	45
48.57	51.12	2.55	C103811	72	41	11
51.12	53.67	2.55	C103812	85	42	5
53.67	56.22	2.55	C103813	83	41	18
56.22	58.76	2.54	C103814	110	54	3
58.76	61.37	2.61	C103780	400	69	124
61.37	64.37	3.00	C103781	250	42	74
64.37	66.14	1.77	C103783	74	22	167
66.14	69.14	3.00	C103784	70	51	72
69.14	72.24	3.10	C103785	24	31	23
72.24	75.29	3.05	C103786	69	55	2
75.29	78.09	2.80	C103787	71	29	5
78.09	80.40	2.31	C103788	11	11	1
80.40	82.70	2.30	C103789	10	11	1
82.70	85.20	2.50	C103790	11	12	1

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
0.00	5.18	5.18	110	
5.18	8.23	3.05	105	
8.23	11.28	3.05	110	
11.28	14.33	3.05	110	
14.33	17.37	3.04	110	
17.37	20.42	3.05	110	
20.42	23.47	3.05	120	
23.47	26.52	3.05	120	
26.52	29.57	3.05	120	
29.57	32.61	3.04	130	
32.61	35.66	3.05	110	
35.66	38.71	3.05	120	
38.71	41.76	3.05	120	
41.76	44.81	3.05	110	
44.81	47.85	3.04	110	
47.85	50.90	3.05	120	
50.90	53.45	2.55	120	
53.45	57.00	3.55	120	
57.00	60.05	3.05	120	
60.05	63.09	3.04	150	
63.09	66.14	3.05	120	
66.14	69.19	3.05	110	
69.14	72.24	3.05	100	
72.24	75.29	3.05	100	
75.29	78.33	3.04	110	
78.33	81.38	3.05	100	
81.38	84.43	3.05	100	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
2.67	52	0.51	10	6	SW	S
3.08	101	1.29	42	8	SW	S
2.97	97	1.70	56	10	SW	S
3.07	101	1.80	59	10	FR	S
2.65	87	1.66	55	10	FR	S
2.85	93	2.02	66	11	FR	S
2.82	92	1.98	65	11	FR	S
2.88	94	2.83	93	13	FR	S
2.94	96	2.31	76	12	FR	S
2.81	92	1.94	64	10	FR	S
2.97	97	2.75	90	12	FR	S
2.82	92	2.02	66	10	FR	S
2.89	95	1.51	50	9	FR	S
2.81	92	2.12	70	11	FR	S
2.66	88	2.31	76	12	FR	S
2.99	98	2.81	92	14	FR	S
2.71	106	2.45	96	13	FR	S
3.05	86	2.37	67	10	FR	S
2.83	93	2.33	76	11	FR	S
3.05	100	2.93	96	13	FR	S
2.89	95	2.52	83	14	FR	S
3.03	99	2.82	92	14	FR	S
3.02	99	2.65	87	15	FR	S
2.98	98	2.74	90	14	FR	S
2.99	98	2.90	95	14	FR	S
2.94	96	2.80	92	14	FR	S
3.04	100	3.04	100	15	FR	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
25	80	4	3	Li	
9	60	5	3	Li	
8	60	3	3	Li	
7	45	4	3	Li	
7	60	3	3	Li	
4	60	5	4	Li	
4	60	4	3	Li	
3	50	3	2	Li	
5	80	4	3	Li	
6	60	3	3	Li	
4	50	4	2	Li	
5	60	5	3	Li	
8	30	3	2	Li	
4	65	3	3	Li	
4	35	3	2	Li	
2	45	5	4	Li	
3	50	5	3	Li	
7	85	4	3	Li	
5	30	4	3	Li	
5	60	4	3	Li	
4	55	3	3	Li	
5	45	3	3	Li	
2	45	2	3	Li	
4	70	3	3	Cb	
2	70	3	3	Cb	
2	65	3	3	Li	
1	30	3	4	Cb	

Hole: L06-05 Section: 000 Drilling dates: June 23 to 29, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
85									SS						contact w/ ss + cb Fx fill
	c	50	85.20	117.96	32.76	SLT	GY	SU	BX		chl	s	dol	w	strong chl alt ~10 cm on cnt
											dol	w	chl	t	breccia-crackle dolo altd
															hem altd clasts
															dol xtals ~ 1-7 mm
90															cb fx filling
	BD	40													hem altn along bands (spec)
	VT	50													plastic/green mineral ser?
															- along cb VT's and FX
															cb VT's offset/broken
95															
															qz+cb VT's
100									CR						
	BD	35													bedding weak/faint
105															
	VT	45													cb VT ~30 cm w/ chl/ser
110															
	BD	35													spec hem par to BD
															needles of spec hem
															disseminated in core
															(long, bladed, red streak)
115			117.96			EOH									

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
85								
90				t				
				t				
				t				
				t				
95				t				
				t				
				t				
				t				
100				t				
				t				
				t				
				t				
105				t				
				t				
				t				
				t				
110				t				
				t				
115								

BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
85.20	88.20	3.00	C103791	8	9	2
88.20	91.20	3.00	C103815	16	5	3

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
84.43	87.48	3.05	90	
87.48	90.53	3.05	110	
90.53	93.57	3.04	90	
93.57	96.62	3.05	100	
96.62	99.67	3.05	105	
99.67	102.72	3.05	100	
102.72	105.76	3.04	100	
105.76	108.81	3.05	90	
108.81	111.86	3.05	105	
111.86	114.91	3.05	100	
114.91	117.96	3.05	100	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
2.85	93	2.64	87	14	FR	S
2.90	95	2.65	87	14	FR	S
2.98	98	2.94	97	14	FR	S
3.05	100	3.05	100	15	FR	S
3.01	99	2.90	95	14	FR	S
3.00	98	2.85	93	14	FR	S
3.00	99	2.95	97	15	FR	S
3.04	100	2.98	98	14	FR	S
3.01	99	2.85	93	14	FR	S
2.96	97	2.85	93	14	FR	S
3.00	98	2.83	93	14	FR	S

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
4	50	2	2	Li	
2	70	2	3	Li	
2	50	3	3	Li	
1	45	3	3	Cb	
2	60	3	3	Li	
4	##	2	3	A	
1	50	3	3	Li	
2	45	5	4	A	
3	70	3	3	Cb	
2	50	5	3	Cb	
2	45	2	2	Li	

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-06**	PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	000°	DIP:	-80°	DEPTH:	106.75 m

START:	June 29, 2006	day	END:	July 21, 2006	morning

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER: 18

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 125.00 m

TARGET DESCRIPTION:

Underlying stratigraphy

DRILL CORE EVALUATION:

Brecciated siltstone to 72.31 m, generally background radioactivity.
66.45 to 69.49 m average 400 cps with a spot high of 7500 cps

Olive green intensely altered siltstone breccia between 72.31 and 78.45 m, background radioactivity
more hematite with depth

Pink breccia between 78.45 and 92.30 m, gradational upper contact, background radioactivity
albite and hematite alteration, specular hematite in matrix

Grey dolomitized siltstone between 92.30 and 106.75 m, background radioactivity
specular hematite in narrow bands parallel to bedding

130 ppm U (0.015 %U_3O_8) over 3.02 m (16.68 to 19.70 m)

660 ppm U (0.078 %U_3O_8) over 2.00 m (66.45 to 68.45 m)

ADDITIONAL COMMENTS:

Hole stopped between July 1 and July 20, while waiting for more rods. Holes L06-07 to L06-09 drilled in this time.

Night shift froze rods in, hole stopped short of target depth.

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

Comments: rods lost down hole
Contractor: Core Tech

East	North	Elev.	Depth
580176	7204142	2099	93.88

Casing: depth: 10 ft in
Core Size: btw
Logger: M.R.Dumala/R. Foubister
Scintillometer: Sephyme Stel SPP 2 NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-80	chain/compas

Hole: L06-06
Section: 000
Drilling dates: June 29 to July 1, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	8.53	8.53	SLT	GY								thin (1-2 mm) cb vt's		t												
															some with local cp														
5															cb vt's every 10-20 cm														
															cp/py in cb, conc in 1-2cm fr														
			8.53	15.35	6.82	SLT	GY	CR							becoming crackled/brecciated	t	t	t											
10	BD	30													colour tn to gy														
															cp conc in 1 x 1 cm		t												
15			15.35	16.20	0.85	SLT	BN	BX							intense bx	tw	t	tw				SLT		50	car	hem			
															coarse sst, diss cp/py throughout mx, hem+stains	tw	t	tw											
															locally <10 cm bx w/ cb mx														
20	BD	30	16.20	21.80	5.60	SLT	GY	CR																					
	BD	60													20.1-20.3 FLT														
			21.80	39.00	17.20	BX	GNGY								23.2-23.35 massive py in cb			w											
															hem stains	t	t												
															py in mx	tw													
25	VT	30																				SLT		30					
	FX	45													25.00 qz/cb vt w/ mc/cp	t	t			Mc	t	SLT						
															on 45° fx in bx zone	t													
															27.10 2 cm cb vt's filling fx							SLT						
30																	t												
															pinkish 3 cm vt @ 30°		t												
	FX	25					GY								5 mm qz/cb vt @ 45°														
															SS on 45° fx, w/ Mc														
															t cp in qz/cb vt	t	t			Mc	t								
															highly bx for 15 cm	t	t					SLT		45	car			
35															cb vt's cut bx														
															qz cb vt's cut by dol vt														
	FX	30													smi flt displaces vt's 4 cm	t		t											
40	FLT	30	39.00	44.90	5.90	SLT	GY	CR							38.8 lt gy slt clast			t											
	BD	90													cb vt's bend bedding	t		t											
	BD	45													fine black he in fx's	t	t												
															py/cp in cb vt's														
															lt gy fine mx w/ cb and lt		t												
45			44.90	72.31	27.41	BX	LTGY								bedd clasts	t	t			Mc	t								
															qz/cb vt's w/ py		t												
																	t												
	FX	45													SS on 45° FX coated w/ cb		t												
50																				Mc	t								
															fine blk he on cracks (mx)			t		Mc	t								
															SS on FX														
															10 cm pk dolo vn														
55																													
	FX	45																											
	FX	45																											
																	t												
60															trace cp in cb vt's	t	t												
															fx @ 10° w/ fine blk mineral	t	t												
															diss py in cb vt's	tw	tw												
																w	t												
	VT	55													qz/cb vt 2 cm thick	w	t												
65																tw													
																tw	t												
																t	tw												
																t													
																t													
70	FX	10													10° FX w/ black on surface	t													
			72.31	74.70	2.39	BX	OL								heavily bx, 30-50% cb, slt														
75			74.70	91.74	17.04	BX	PKGY								grey-green w/ tan-pink clasts			t				SLT		35	hem			
															spec hem in mx			tw											
																		tw											
																		tw											
																		tw											
80																													
																		tw											
															FX @ 0° w/ SS			m											
															red he blotches, cb VT			m											

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
11.58	14.68	3.10	C103816	10	6	18
14.68	16.68	2.00	C103817	42	125	66
16.68	19.70	3.02	C103818	130	200	311
19.70	23.77	4.07	C103819	18	15	21
51.21	54.25	3.04	C103821	33	24	25
54.25	57.30	3.05	C103822	37	14	14
57.30	60.35	3.05	C103823	46	38	38
60.35	63.40	3.05	C103824	57	41	44
63.40	66.45	3.05	C103825	56	33	27
66.45	68.45	2.00	C103826	660	26	30
68.45	70.55	2.10	C103827	51	25	21
70.55	72.65	2.10	C103828	50	39	71
72.65	74.70	2.05	C103829	56	24	286
74.70	77.30	2.60	C103830	14	10	5
77.30	79.90	2.60	C103831	13	7	6
79.90	82.50	2.60	C103832	14	10	11
82.90	85.11	2.21	C103833	8	9	4

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
0.00	5.49	5.49	100	
5.49	8.53	3.04	120	
8.53	11.58	3.05	110	
11.58	14.68	3.10	110	
14.68	17.68	3.00	110	
17.68	20.73	3.05	110	
20.73	23.77	3.04	110	
23.77	26.82	3.05	120	
26.82	29.87	3.05	120	
29.87	32.92	3.05	130	
32.92	35.97	3.05	125	
35.97	39.01	3.04	120	
39.01	42.06	3.05	120	
42.06	45.11	3.05	125	
45.11	48.16	3.05	120	
48.16	51.21	3.05	110	
51.21	54.25	3.04	130	
54.25	57.30	3.05	145	
57.30	60.35	3.05	145	
60.35	63.40	3.05	160	
63.40	66.45	3.05	170	
66.45	69.49	3.04	400	
69.49	72.54	3.05	150	
72.54	75.59	3.05	135	
75.59	78.64	3.05	145	
78.64	81.69	3.05	130	
81.69	84.73	3.04	125	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
3.10	56	0.57	10	7	FR	MS
3.00	99	1.33	44	10	FR	MS
3.00	98	1.85	61	9	FR	MS
3.10	100	0.62	26	9	FR	MS
2.50	83	1.39	46	10	FR	MS
2.55	84	0.50	16	9	FR	MS
2.90	95	1.29	42	9	FR	MS
2.80	92	2.30	75	13	FR	MS
2.85	93	2.70	89	14	FR	MS
2.90	95	2.50	82	13	FR	MS
2.90	95	2.45	80	13	FR	MS
3.00	99	2.60	86	14	FR	MS
2.95	97	2.70	89	14	FR	MS
2.85	93	2.75	90	14	FR	MS
2.75	90	2.50	82	13	FR	MS
2.80	92	2.60	85	13	FR	MS
2.80	92	2.00	66	13	FR	MS
3.00	98	2.60	85	14	FR	MS
2.80	92	2.80	92	14	FR	MS
2.90	95	2.90	95	14	FR	MS
2.80	92	2.85	93	12	FR	MS
2.75	90	1.90	63	12	FR	MS
2.80	92	1.90	62	13	FR	MS
2.70	89	1.90	62	11	FR	MS
2.80	92	2.40	79	13	FR	MS
2.85	93	2.20	72	14	FR	MS
2.80	95	2.30	76	14	FR	MS

JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
6	10	3	3	Cb	
9	45	2	3	Cb	
7	15	3	3	Cb	
7	20	4	3	Go	
4	40	4	3	Cb	
6	20	3	4	Fe	
6	15	4	3	Cb	
4	30	3	3	Cb	
3	25	2	2	Cb	
5	20	3	2	Cb	
5	20	3	3	Cb	
4	30	3	3	Cb	
4	15	2	3	Cb	
5	20	3	3	Cb	
5	45	4	3	Cb	
6	25	2	3	Bk	
4	15	3	3	Cb	
4	45	3	3	Fe	
4	40	2	3	Cb	
6	30	2	3	Cb	
6	20	3	3	Cb	
4	30	3	3	Cb	
4	30	4	3	Fe	
4	45	3	2	Cb	
3	50	3	2	Fe	
3	60	3	3	Fe	

Hole: L06-06 Section: 000 Drilling dates: June 29 to July 1, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
																		ms											
85															~30% hem, 10% cb			s											
			85.11	87.78	2.67	BX	PK								spec hem mtx, more pink			s											
															red hem and pink slt clasts			s											
			87.78	91.73	3.95	BX	TN								spec hem, 50% cb mx			ms											
															50% slt tan clasts			tw											
90															GN ser siltstone bx			tw											
																		tw											
			91.73	92.30	0.57	BX	GN				CLY	T	chl	T	GN ser/chl slt bx			tw											
			92.30	106.75	14.45	SLT	GY	CR							dk gy, spec hem			w											
															10% cb VT's			w											
95																		w											
																		w											
																		w											
															cb vt's every 10 cm			w											
100	80	15																w	s										
							GYG						Lim	w	cr BD @ 15° @ 99 m			w											
								BX					Lim	tw				tw											
								BX										tw											
								CR			dol	w	hem	t	dolomite xtals			tw											
105																		tw											
			106.75			EOH																							
110																													

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Co (ppm)	ASSAYS Mo (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
85								84.73	87.78	3.05	110		2.85	93	2.80	92	14	FR	MS	4	40	3	3	Bk	
	85.11	87.78	2.67	C103834	5	14	1																		
								87.78	90.83	3.05	110		2.90	95	2.70	89	13	FR	MS	3	45	3	3	Fe	
90																									
								90.83	93.88	3.05	125		2.80	92	2.40	79	13	FR	MS	5	20	4	3	Fe	
								93.88	96.93	3.05	105		1.30	43	0.99	32	12	FR	MS	4	80	5	4	Li	
95																									
								96.93	99.97	3.04	115		2.99	98	2.87	94	12	FR	MS	4	80	5	4	Li	
100								99.97	103.02	3.05	100		2.99	98	2.99	98	14	FR	MS	3	45	3	3	Li	
								103.02	106.07	3.05	105		3.04	100	2.89	95	14	FR	MS	2	55	2	3	Li	
105								106.07	106.75	0.68	100		0.70	103	0.33	49	8	FR	MS	12	90	5	4		
110																									

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-07**			PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	330°	DIP:	-45°	DEPTH:	100.28 m

START:	July 1, 2006	day	END:	July 9, 2006	day

DRILL DOWN TIME: 5.5 days

REASONS:
Waterline and pump problems. Weather and lack of hose delayed repairs. Ice resulted in 0.5 days of downtime.

SAMPLES:
TOTAL NUMBER: 35
DATE SENT TO LAB:
DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 95.00 m
TARGET DESCRIPTION:
High grade mineralization on cliff face. Hole planned to punch through cliff.

DRILL CORE EVALUATION:
Brecciated siltstone to 78.13 m, weakly to moderately above background radioactivity.
20.82 to 38.71 m average 325 cps with a spot high of 700 cps
56.97 to 78.33 m average 550 cps with 10 cm >15,000 and 30 cm averaging 8,000 cps
Olive green intensely altered siltstone breccia between 78.13 and 84.10 m, above average radioactivity
78.33 to 97.67 average 150 cps with a spot high of 350 cps
Pink breccia between 84.10 and 100.28 m, gradational upper contact, background radioactivity
albite and hematite alteration

314 ppm U (0.037 %U_3O_8) over 13.60 m (23.47 to 37.07 m)
including: 560 ppm U (0.066 %U_3O_8) over 2.90 m (32.12 to 35.02 m)
1653 ppm U (0.189 %U_3O_8) over 29.43 m (57.09 to 86.52 m)
including: 2205 ppm U (0.242 %U_3O_8) over 8.00 m (61.09 to 69.09 m)
and: 69800 ppm U (8.10 %U_3O_8) over 0.30 m (70.03 to 70.33 m)

ADDITIONAL COMMENTS:
Hole punched through cliff face. Additional waterline installed and surge bottles replaced.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	100.28

Casing: depth: 10 ft out

Core Size: btw

Logger: R. Foubister

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	330	-45	chain/compas

Comments:

Contractor: Core Tech

Hole: L06-07

Section: 330

Drilling dates: July 1 to 9, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	57.09		SLT	GY	CR							cb vt's cr-bx texture														
5											Li	w			limonite alld fX					Mc	t							
											hem	w			red he staining			t											
10	VT	80													cb vt's trhoughout 5-20 cm			t											
	B	0													alld and wavy bedding w/ he														
															cb coating fx														
15																													
	BD	0									Do	l	hem	t	5x5cm Do alld zone	t													
											Li	w	hem	t		t													
	BD	30									Li	w	hem	t	traces of he alteration	t	t												
	BD	90									Li	f	hem	t		t	t												
20	BD	0									Li	m	hem	t		t	t												
	BD	30									Li	m	hem	t	recrystallized 4 cm do vt	t	t												
											Li	m	hem	t		t	t												
											Li	m	hem	t	23.5-23.7 BX zone, FLT	tw	t												
											Li	m	hem	t		t	t												
25											Li	m	hem	t		t	t			Mc	t								
											Li	s	hem	t	26.8-26.9 BX zone FLT	w	tw												
											Li	s	hem	t	w/ 40% cb and py	t	tw												
											Li	s	hem	t		t	t												
											Li	s	hem	t	29 m fair, massive pyrite	w	f												
30											Li	i	hem	t	heavy Li altn on FX w/ he	f													
											Li	s	hem	t															
											Li	s	hem	t															
											Li	ms	hem	t															
											Li	ms	hem	t															
35											Li	m	hem	t	qz/cb vt w/ xtals		tw												
											Li	w	hem	t		w	tw												
											Li	w	hem	t	37.8 massive py w/ Mc+Az	f	t			Mc	t	Az	t						
											Li	w	hem	t	37.7-37.9 qz vt in sooty SLT		t												
											Li	w	hem	t															
40											Li	w	hem	t															
									BX		Li	t			40.00-40.15 brecciated		tw												
									BD		Li	t			FX on BD planes @ 30, 40°	t	tw												
	BD	10									Li	t			42.7 alld qz/cb VT	w	tw	w											
											Li	t			fair py infilling VT's	f	tw	t											
45	VT	80									Li	t			Do alld VT's w/ cp		tw	t											
											Li	t			rare spec hem in mx			t											
	BD								BX		Li	t			46.0-46.15 increased BX														
											Li	t			47.7-47.8 bx, healed flt?		t												
											Li	w					t												
50											Li	w					t												
											Li	m			ss on 45° fx	t	t												
										CR	Li	w				t	t												
											Li	w			10 cm ~ 53.5, broken		t												
											Li	w																	
55											Li	w																	
			57.09	75.13	18.04	BX	GY	BX			RA				bx w/ do VT's every .2-.3 m									SLT	20	car	qtz	hem
	FX	50									RA					t	t												
60											RA				Er on FX	t	t			Er	t								
											RA		dol	m	up to 1300 cps														
											RA		dol	m	62.8 more lime gn/yl mineral														
											RA		dol	m	63.5 yelow, soft, plastic min		t												
											RA		dol	m	on fracture surf		t												
65											RA		dol	m	w/ neon lime gn/yl mins														
											RA		dol	m	6000, 3000 cps		t												
											RA				65.5 10 cm coarse gy clasts														
											RA				67.5 8000 cps														
											RA				lime gn/yl min on FX			t											
70											RA	Li	t					t											
											RA	Li	t	dol	t 70.1 15000 cps, microFX			t		Pb	w								
	FX	45									RA	Li	t	dol	t w/ black mineral (Pb)														
										CR	RA			dol	t Lime gn/yl min on FX, do Vt		t												
											RA			dol	t	t	t												
75											RA			dol	t Cp, Py in Cb VT's	t	t												
											RA			dol	t	t	t												
											RA				1000, 2000 cps	t	t												
																	t												
			78.13	79.22	1.09	BX		TNGN							broken (flt?) contact		t			Mc	t								
80			79.22	84.10	4.88	BX		TNGN			Li	t			w/ py, Mc		t			Mc	t			SLT	25	car	qtz	he
											Li	t			reduced radioactivity		t												
											Li	t			thin micro fx's w/ fine blk infill	t													
											Li	t				t	f												

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	2.13	2.13	120		0.80	38	0.00	0	7	FR	MS	5	20	5	4	Fe	
5								2.13	5.18	3.05	125		1.65	54	0.50	16	5	FR	MS	6	25	5	4	Cb	
								5.18	8.23	3.05	140		2.30	75	1.00	33	9	FR	MS	7	45	5	4	Cb	
10								8.23	9.75	1.52	140		1.20	79	0.90	59	12	FR	MS	8	30	4	4	Cb	
								9.75	11.28	1.53	140		1.50	98	1.20	78	12	FR	MS	7	45	3	3	Cb	
								11.28	14.33	3.05	140		2.50	82	1.30	43	12	FR	MS	7	40	4	3	Cb	
15																									
								14.33	17.37	3.04	170		2.30	76	1.30	43	12	FR	MS	8	45	3	4	Cb	
								17.37	20.82	3.45	180		2.40	70	1.70	49	10	FR	MS	4	25	3	2	Cb	
								20.82	23.47	2.65	200		2.80	106	1.50	57	10	FR	MS	5	45	4	4	Cb	
25			23.47	26.52	3.05	C103835	230	36	24	23.47	26.52	3.05	350		2.60	85	0.70	23	10	FR	MS	11	45	4	4	Fe	
			26.52	29.32	2.80	C103836	240	82	6	26.52	29.57	3.05	430		2.80	92	1.30	43	10	FR	MS	10	50	3	4	Fe	
30			29.32	32.12	2.80	C103837	220	128	3	29.57	32.62	3.05	450		2.80	92	1.80	59	13	FR	MS	6	40	4	4	Fe	
			32.12	35.02	2.90	C103838	560	62	16	32.62	35.66	3.04	500		2.70	89	1.50	49	13	FR	MS	5	65	3	3	Fe	
35			35.02	37.07	2.05	C103839	320	58	49	35.66	38.71	3.05	250		2.20	72	1.00	33	10	FR	MS	6	50	4	4	Fe	
			37.70	39.20	1.50	C103840	17	59	90																
40			39.20	41.76	2.56	C103841	20	23	62	38.71	41.76	3.05	200		2.80	92	2.65	87	13	FR	MS	5	35	4	4	Fe	
			41.76	44.81	3.05	C103842	35	23	83	41.76	44.81	3.05	180		2.80	92	2.30	75	13	FR	MS	4	60	4	3	Fe	
45			44.81	47.85	3.04	C103843	10	15	13	44.81	45.92	1.11	150		1.00	90	1.00	90	13	FR	MS	3	65	4	3	Cb	
										45.92	47.85	1.93	150		1.80	93	1.40	73	14	FR	MS	4	40	3	3	Fe	
			47.85	50.90	3.05	C103844	23	11	23	47.85	50.90	3.05	140		2.90	95	2.40	79	13	FR	MS	5	50	3	3	Fe	
50			50.90	53.95	3.05	C103845	45	15	55	50.90	53.95	3.05	150		2.70	89	2.05	67	13	FR	MS	3	45	3	3	Fe	
55			53.95	57.09	3.14	C103846	30	150	68	53.95	56.99	3.04	140		3.00	99	2.75	90	14	FR	MS	4	30	3	4	Cb	
			57.09	59.09	2.00	C103847	620	21	147	56.99	60.04	3.05	700		2.95	97	2.50	82	13	FR	MS	5	50	4	3	Fe	
60			59.09	61.09	2.00	C103848	590	21	54																
			61.09	63.09	2.00	C103849	1650	35	60	60.04	63.09	3.05	600		2.80	92	2.25	74	14	FR	MS	4	50	4	4	Cb	
			63.09	65.09	2.00	C106950	1970	63	35	63.09	66.14	3.05	1000		3.00	98	2.70	89	14	FR	MS	4	40	3	3	Fe	
65			65.09	67.09	2.00	C106951	1900	49	47																
										66.14	69.19	3.05	900		2.95	97	2.50	82	13	FR	MS	4	50	3	3	Cb	
			67.09	69.09	2.00	C106952	3300	44	43																
70			69.09	70.03	0.94	C106953	500	30	38	69.19	72.24	3.05	650		3.00	98	1.60	52	12	FR	MS	7	60	4	3	Cb	
			70.03	70.33	0.30	C103792	69800	303	474																
			70.33	72.47	2.14	C106954	370	25	33																
			72.47	74.35	1.88	C106956	200	38	52	72.24	75.28	3.04	350		2.90	95	2.10	69	14	FR	MS	4	45	4	4	Cb	
75			74.35	76.23	1.88	C106957	910	49	65																
										75.28	78.33	3.05	700		2.95	97	2.00	66	12	FR	MS	5	60	4	4	Cb	
			76.23	78.13	1.90	C106958	940	109	119																
80			78.13	79.22	1.09	C106959	550	149	655	78.33	81.23	2.90	300		2.75	95	2.00	69	12	FR	MS	4	30	4	3	Cb	
			79.22	81.66	2.44	C106960	300	58	96																
			81.66	84.10	2.44	C106961	270	99	69	81.23	84.43	3.20	200		2.80	87	2.50	78	13	FR	MS	5	45	3	3	Cb	

Hole: L06-07 Section: 330 Drilling dates: July 1 to 9, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
85	FX	40	84.10	86.52	2.42	BX	PKTN						He	m	84.10 becoming more he altd
													He	m	84.8 massive Ma, Cp in 7cm
			86.52	96.77	10.25	BX	PKTN						He	s	VT @ 60°, needly mag
													He	s	86.52-96.77 interbedded he altd bands w/ unaltd
90													He	m	
													He	s	
													He	m	
													He	m	
95													He	m	0.5 cm blebs of py
													He	m	
			96.77	100.28	3.51	BX	PKTN						He	m	similar unit, dark spec he in mx
100															
			100.28			EOH									

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
85		tw	f	w										
			f											
			f											
			f											
90			f											
		t	f											
	tw		f											
	tw		f											
	tw		f											
95			f											
			m											
			m											
100														

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
84.10	86.52	2.42	C106962	220	86	13	84.43	87.48	3.05	150	
86.52	88.86	2.34	C106963	58	30	1					
88.86	90.81	1.95	C106964	83	18	3	87.48	90.52	3.04	140	
90.81	93.57	2.76	C106965	25	47	3	90.52	93.57	3.05	135	
93.57	96.77	3.20	C106966	51	36	3	93.57	96.62	3.05	130	
96.77	98.42	1.65	C106967	20	19	4	96.62	99.67	3.05	110	
98.42	100.28	1.86	C106968	7	8	2					
							99.67	100.28	0.61		
			C106855 "Blank"	<2	2	<1					

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
2.80	92	2.50	82	13	FR	MS	5	60	3	3	Fe	
2.85	94	2.50	82	14	FR	MS	3	45	3	2	Cb	
2.75	90	2.30	75	13	FR	MS	4	45	4	4	Cb	
2.70	89	0.90	30	9	FR	MS	1	60	4	4	Cb	
2.75	90	1.30	43	12	FR	MS	6	70	4	4	Cb	
0.80	131	0.20	33	9	FR	MS	10	50	4	4	Cb	

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-08**			PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	330°	DIP:	-60°	DEPTH:	121.00 m

START:	July 9, 2006	day	END:	July 13, 2006	day

DRILL DOWN TIME: 20 hours

REASONS: 8 hours to repair waterline/pump

12 hours to repair hydraulic lines.

No night shift, operating with one 14 hour shift per day

SAMPLES:

TOTAL NUMBER: 38

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 115.00 m

TARGET DESCRIPTION:

Down dip extension of high grade mineralization seen in L06-07 and on cliff face. Hole planned to exit through cliff face.

DRILL CORE EVALUATION:

Brecciated siltstone to 71.62 m, weakly to moderately above background radioactivity.
41.76 to 60.04 m average 175 cps with a spot high of 950 cps

Olive green intensely altered siltstone breccia between 71.62 and 79.35 m, above average radioactivity
69.19 to 89.92 m average 225 cps with a spot high of 1500 cps

Pink breccia between 79.35 and 101.92 m, gradational upper contact, above background radioactivity
albite and hematite alteration

Grey dolomitized siltstone between 101.92 and 121.00 m, background radioactivity

210 ppm U (0.025 $\%U_3O_8$) over 3.04 m (41.76 to 44.80 m)

248 ppm U (0.029 $\%U_3O_8$) over 8.68 m (50.90 to 59.58 m)

294 ppm U (0.035 $\%U_3O_8$) over 21.31 m (68.61 to 89.92 m)

including: 781 ppm U (0.090 $\%U_3O_8$) over 5.12 m (71.62 to 76.74 m)

ADDITIONAL COMMENTS:

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2098	121.00

Casing: depth: 10 ft out

Core Size: btw

Logger: R. Foubister

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	330	-60	chain/compas

Comments:

Contractor: Core Tech

Hole: L06-08 **Section:** 330 **Drilling dates:** July 9 to 13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	21.67	21.67	SLT	GY	CR							typically bedded														
5																tr													
															py w/ cb vt's in fx	tw													
																tw				Mc	t								
	FX	70									hem	w	lim	w	massive py on 70° fx (250 cps)	f													
10	BD	30					GYPK								qz/cb vt's @ 0°, stepped	t													
							GY									t													
	VT	80														t													
											hem	tw			he staining	t													
											hem	tw				t													
15									BD		hem	tw				t													
									BD		hem	tw	lim	w		t													
											hem	tw	lim	w		t	t												
											hem	tw	lim	w		t	t												
													lim	w	he banding in alternate BD		t												
20													lim	w	lim altn' on FX														
											hem	t			trace Mc on 50° Fx, hem alt	t		w											
			21.67	21.97	0.30	FLT	GY	FLT			hem	t	lim	w	Broken, Az, Mc, Li on FX					Mc	t	Az	t						
	BD	0	21.97	23.45	1.48	SLT	GY	CR					lim	t	more massive SLT/SST														
			23.45	23.65	0.20	FLT	GY	FLT					lim	m	brecciated contacts														
25			23.65	56.57	32.92	SLT	GY	CR					lim	t															
											hem	tw				t				Mc	t								
	VT	70									hem	tw			cb vt's 1-2 mm every 5 cm	t				Mc	t								
	VT	90									hem	tw				t													
											hem	tw																	
30											hem	tw	dol	f	29-30 m more dol vt's		t												
								BX			hem	tw	dol	f	up to 5 cm, more BX		t			Mc	t	Az	t						
								CR			hem	tw	lim	f	30m do VT w/ cp, Az, Mc		t												
													lim	s	vt's @ 45/130°, microfits		t			Mc	t								
													lim	m	32.61 strong li altnon vt		t												
35																	t												
								BX							36.00-36.1 BX, healed flt?		t												
													lim	w			t												
													lim	w	qzt cb vt's w/ Li altn		t												
													lim	w			t												
40	BD	45							BD								t												
											hem	tw			40.72 brown mln on cp in FX			tw		Mc	t								
											hem	w			he altn on fx			tw											
	VT	25							BD		hem	w			qz/cb vt's xcut bd @ 25°														
	VT	25									hem	w	lim	t	hem on fx, 300 cps		t	w											
45	BD	30													py on 40° fx w/ 360 cps	t	t												
	BD	45															t			Mc	t								
															vt w/ py, dol, qz	t													
	BD	70											lim	t	orange Li/do altn of cb		tw												
50	FX	35											lim	w	ss, mc, cp on fx vt's		tw	tw		Mc	t								
													lim	w	cp infilling qz vts xcut bd	t	tw	tw		Mc	t								
											hem	t			50.85 py, cp, mc on FX	tw	tw													
											hem	t	lim	w	350 cps	t	t													
											hem	t	lim	t	54.05 4-6 cm bx do vt w/		t												
55											hem	w			massive py, he alt 950cps	f	tw	tw		Mc	t			SLT		15	car		
			56.57	71.62	15.05	BX	GY	CR			hem	t	dol	t	GY BX to CR	t	t												
											hem	t	dol	t	cb vts RX as dolo	t	t												
											hem	t	dol	t		t	t												
											hem	t	dol	t		t	t												
60	FX	40									hem	tw	dol	t		t	t												
													dol	t	Mc or neon GN/YL mln														
													dol	t															
	FX	35											dol	t															
													dol	t															
65													lim	t															
													lim	t															
	VT	65											lim	t	do vt's w/ 5 cm xtals														
													lim	tw	cb coating on FX														
													lim	tw	10 cm TN SLT clasts														
70													lim	tw	69.2 lim altd fx 280 cps														
													lim	t						Mc	t								
			71.62	79.35	7.73	BX	TNGN				lim	s	hem	w	TNGN bx w/ hem altn	t		tw						SLT		15	car	hem	
											lim	s	hem	w	S Lim altn on FX	t		tw											
															72-75 1500, 1300 cps			tw											
75											hem	tw			t spec hem(mx), cp on fx		t	tw											
											hem	tw			Ser throughout		t	tw											
											hem	tw	lim	w				tw											
											hem	tw	lim	tw				tw											
											hem	f	lim	tw	fine blk min in FX, w/ hem alt			tw											
80			79.35	87.69	8.34	BX	TNPK				hem	f	lim	tw	MX altd by hem			tw											
											hem	f	chl	m	81.00-81.5 f hem, lim altn	t													
	FX	25									hem	tw	lim	tw	faint dis py in mx	t													
											hem	tw	lim	tw		tw													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	5.18	5.18	150		2.08	40	0.90	17	8	SV	MS	11	80	4	4		
								5.18	8.23	3.05	140		3.05	100	1.80	59	9	FR	MS	10	60	3	3		
								8.23	11.28	3.05	150		2.93	96	2.05	67	10	FR	MS	7	70	4	4		
	11.28	13.28	2.00	C106969	38	69	3	11.28	14.32	3.04	165		3.01	99	2.36	78	11	FR	MS	5	45	4	4		
								14.32	17.37	3.05	150		3.04	100	2.63	86	11	FR	MS	5	80	3	2		
								17.37	20.42	3.05	140		2.93	96	2.20	72	10	FR	MS	5	45	3	3		
	21.67	23.85	2.18	C106970	19	63	4	20.42	23.42	3.00	130		3.01	100	1.55	52	11	FR	MS	5	45	3	3		
								23.47	25.30	1.83	125		1.46	80	0.54	30	7	FR	MS	15	45	4	3		
								25.30	26.52	1.22	130		2.16	177	1.19	98	9	FR	MS	11	45	3	3		
								26.52	29.56	3.04	130		1.58	52	1.26	41	9	FR	MS	5	60	4	3		
								29.56	32.61	3.05	120		2.95	97	2.36	77	12	FR	MS	6	70	3	3		
								32.61	35.66	3.05	120		3.05	100	2.39	78	12	FR	MS	5	45	3	2		
								35.66	38.71	3.05	130		2.96	97	2.31	76	12	FR	MS	4	50	3	2		
	38.71	41.76	3.05	C106971	60	16	23	38.71	41.76	3.05	150		2.99	98	2.63	86	13	FR	MS	4	45	3	2		
	41.76	44.80	3.04	C106972	210	7	1	41.76	44.80	3.04	200		3.03	100	2.83	93	12	FR	MS	3	60	3	3		
	44.80	47.85	3.05	C106973	20	38	9	44.80	47.85	3.05	140		3.01	99	2.82	92	14	FR	MS	2	45	4	3		
	47.85	50.90	3.05	C106974	38	37	43	47.85	50.90	3.05	160		2.96	97	2.61	86	12	FR	MS	4	50	4	3		
	50.90	52.79	1.89	C106975	250	65	46	50.90	53.94	3.04	190		2.92	96	2.69	88	12	FR	MS	4	45	3	3		
	52.79	54.68	1.89	C106976	300	87	37	53.94	56.99	3.05	210		3.01	99	2.71	89	12	FR	MS	4	45	3	2		
	54.68	56.57	1.89	C106978	160	57	20																		
	56.57	59.58	3.01	C106979	270	58	86	56.99	60.04	3.05	230		3.02	99	2.67	88	14	FR	MS	3	45	3	3		
	59.58	62.59	3.01	C106980	91	60	88	60.04	63.09	3.05	160		2.75	90	2.18	71	13	FR	MS	3	30	3	2		
	62.59	65.60	3.01	C106981	97	26	18	63.09	66.14	3.05	160		2.93	96	2.84	93	13	FR	MS	3	60	3	3		
	65.60	68.61	3.01	C106982	72	41	50	66.14	69.19	3.05	170		3.04	100	2.48	81	13	FR	MS	3	45	3	3		
	68.61	71.62	3.01	C106983	170	32	87	69.19	72.24	3.05	250		2.94	96	2.22	73	13	FR	MS	4	45	3	3		
	71.62	74.12	2.50	C106984	940	29	277	72.24	75.29	3.05	450		3.01	99	2.61	86	10	FR	MS	5	45	4	3		
	74.12	76.74	2.62	C106985	630	61	18	75.29	78.33	3.04	300		2.92	96	2.83	93	14	FR	MS	3	70	3	3		
	76.74	79.35	2.61	C106986	130	32	30	78.33	81.38	3.05	240		2.83	93	2.33	76	13	FR	MS	4	45	3	3		
	79.35	82.13	2.78	C106987	30	16	2	81.38	84.43	3.05	225		3.00	98	2.20	72	11	FR	MS	5	25	3	3		
	82.13	84.90	2.77	C106988	240	42	6																		

Hole: L06-08 | Section: 330 | Drilling dates: July 9 to 13, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
85											hem	tw	lim	tw	
											hem	tw	lim	tw	occasional green clasts
											hem	tw	lim	tw	87.69 m cl alt qz/cb vt (ft?)
											hem	f	lim	tw	some py and ss on fx
			87.69	101.92	14.23	BX	PkTN				hem	f	lim	tw	lass hem in mx, PK clasts
90											hem	f	lim	tw	
											hem	w	lim	tw	
											hem	w	lim	tw	
											hem	w	lim	tw	
	VT	45									hem	w	lim	tw	thin 1-2mm hem altd cb vts
											hem	tw	lim	tw	
95											hem	tw	lim	tw	
											hem	tw	lim	tw	
	FX	25									hem	tw	lim	tw	fx w/ thin blk wispy tan min
											hem	tw	lim	tw	
											hem	w	lim	tw	98.9-99.2 hem altd region
100											hem	w	lim	tw	
											hem	t	lim	tw	smaller clasts
			101.92	121.00	19.08	BX	GY				hem	t	lim	tw	gradational contact
											hem	t			hem in mx, GY to TN SLT
											hem	t	lim	w	no cb or other VT's
105											hem	t			
											hem	t			xx
											hem	t			qz/cb mx and few VT's
											hem	t	lim	w	
								BX			hem	t			
110								BD			hem	t			109.60 bd, 10cm @ 45°
							TN	BX			hem	t			bx varies from TN to GY
											hem	t	lim	tw	spec hem in mx
	FX	25									hem	t	lim	tw	t cp in dol VT
											hem	t	lim	w	
115											hem	t	lim	w	
	VT	40									hem	tw	lim	w	rusty stains around py
											hem	t	lim	w	
											hem	t	lim	w	
								CR			hem	t	lim	w	
120											hem	t	lim	w	
											hem	tw	lim	w	last 1 m, large clasts, CR
			121.00			EOH									
125															

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
tw							
tw	t						
tw							
tw							
tw							
t							
t							
t							
t							
t							
t	t						
		tw					
		tw					
		tw					
		tw					
		tw					
		tw					
		tw					
		tw					
		tw					
		tw					
	t	tw					
		tw					
		tw					
t		f					
		tw					
		tw					
		tw					
	t	tw					

BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
SLT		20	car	sed	
		40	car		
SLT		35	car	hem	

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-09**			PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	310°	DIP:	-50°	DEPTH:	124.05 m

START:	July 14, 2006	day	END:	July 16, 2006	day

DRILL DOWN TIME: 6 hours

REASONS: waterline problems

No night shift, operating with one 14 hour shift per day

SAMPLES:

TOTAL NUMBER:	38
DATE SENT TO LAB:	August 1, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 115.00 m

TARGET DESCRIPTION:

Western strike extension of high grade mineralization seen in L06-07.

DRILL CORE EVALUATION:

Brecciated siltstone to 90.95 m, weakly to moderately above background radioactivity.

49.99 to 53.95 m average 150 cps with a spot high of 300 cps

69.19 to 84.43 m average 200 cps with 30 cm 1000 to 1050 cps

Olive green intensely altered siltstone breccia between 90.95 and 111.04 m, background radioactivity

Pink breccia between 111.04 and 121.50 m, gradational upper contact, background radioactivity

Grey dolomitized siltstone between 121.50 and 124.05 m, background radioactivity

152 ppm U (0.018 %U_3O_8) over 8.84 m (26.52 to 35.36 m)

178 ppm U (0.021 %U_3O_8) over 3.04 m (44.81 to 47.85 m)

254 ppm U (0.030 %U_3O_8) over 21.71 m (74.91 to 96.62 m)

including: 1340 ppm U (0.161 %U_3O_8) over 1.48 m (82.95 to 84.43 m)

ADDITIONAL COMMENTS:

Icing problems encountered near end of hole

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	121.00

Casing: depth: 10 ft out

Core Size: btw

Logger: R. Foubister

Scintillometer: Sephymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	310	-50	chain/compas

Comments:
Contractor: Core Tech

Hole: L06-09 **Section:** **Drilling dates:** July 14 to 16, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	41.00		SLT	BY	CR	BD				lim	w	cb vt's, varying textures															
													lim	w	from BD to CR,														
											hem	t	lim	w	fine SS on FX														
5											hem	t	lim	w															
	FX	65									hem	t	lim	w															
	FX	65									hem	t	lim	w															
	FX	65									hem	t	lim	w															
10	FX	65									hem	t	lim	w															
	BD	10									hem	t	lim	w			t												
	FX	65									hem	t	lim	w			t												
	FX	65									hem	t	lim	w			t												
	FX	65									hem	t	lim	w			t												
15	FX	65									hem	t	lim	w	cp in cb VT's, 1cm		w												
	FX	65									hem	t	lim	w		t	t												
	FX	65									hem	t	lim	w			t												
	FX	65									hem	t	lim	w			t												
	FX	65									hem	t	lim	w	py in cb VT, 1cm	tw	t												
20	BD	0									hem	t	lim	w			t												
											hem	t	lim	w															
											hem	t	lim	w															
											hem	t	lim	w															
	BD	0									hem	t	lim	w															
25	VT	15									hem	t	lim	w															
	BD	15									hem	t	lim	w	py diss in SLT	tw													
											hem	t	lim	w	fine (< 1mm) VT's	t	t												
											hem	t	lim	w	some offset by FX's		t												
											hem	t	lim	w			t												
30											hem	t	lim	w	lime yellow min. on FX		t												
											hem	t	lim	w															
	VT	35									hem	t	lim	w	cb VT's parallle to FX	tw	t												
	BD	15									hem	t	lim	w	py in VT's	tw	t												
											hem	t	lim	w	diss blebs of py SLT	tw	t												
35											hem	t	lim	w															
	VT	75									hem	t	lim	w	VT's 57/135*	t													
											hem	t	lim	w	35.3-35.4 incr, BX w/ py	tw													
											hem	t	lim	w	possible healed fault	t	t												
											hem	t	lim	w	37 green tinged VT, w/ cp		t												
40	BD	0											lim	w			t												
													lim	t			t			Mc	t								
			41.00	43.25	2.25	BX	GY						lim	t			t			Mc	t								
													lim	t	BX zone														
			43.25	43.55	0.30	FLT	GY						lim	t	crumbly, weathered SLT	t				Mc	t								
45	BD	20	43.55	72.24	28.69	SLT	GY	CR	BD				lim	t	altd red/orange		t												
													lim	t			t												
													lim	t	yellow, mc looking min on fx		t												
													lim	t			t												
	BD	0											lim	t			tw												
50													lim	w	hem/py on FX	t	t	t		Mc	t								
	BD	20											lim	t			t												
	BD	30											lim	t			t												
													lim	t	15* FX on BD w/ SS		t			Mc	t								
	BD	10									hem	t	lim	t	Mc, Li on 45* FX		t			Mc	t								
55											hem	t	lim	t	54-54.5 massive FG GY SST	t	t												
	BD	40							BD				lim	t			t												
													lim	t															
													lim	t		t													
													lim	t															
60													lim	t		t													
									BD				lim	t		t	t												
													lim	t		t													
													lim	t		t													
													lim	t															
65													lim	t															
								CR					lim	f		t													
								BX			hem	t	lim	f	66.14 fair li alt on VT	t	t												
								CR			hem	t	lim	f	67-72 incr BX	t													
								CR			hem	t	lim	t		t													
70											hem	t	lim	t	69.5 vt w/ py, cp 300 cps	tw	t												
											hem	t	lim	t															
											hem	t	lim	t	possible healed fits														
			72.24	90.95	18.71	BX	GY				hem	t	lim	t	grad. Contact									SLT		15	car	qtz	
											hem	t	lim	t	irregular qz/cb vt's	t	t			Mc	t								
75											hem	t	lim	t			t												
											hem	t	lim	t			t												
											hem	t	lim	t			t												
											hem	t	lim	t															
											hem	t	lim	t															
80											hem	t	lim	t	vt w/ cp 500 cps					Mc	t								
											hem	bw			lime yellow min. on FX	t	t												
											hem	bw					t												
											hem	bw				t	t												

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
							0.00	8.23	8.23	100		5.05	61	1.23	15	7	MW	MS	12	70	3	3	qz	
							8.23	11.28	3.05	130		2.76	90	2.02	66	11	FR	MS	7	60	3	2	e	
							11.28	14.33	3.05	135		3.02	99	1.22	40	10	FR	MS	8	60	3	3	qz	
							14.33	17.37	3.04	130		2.96	97	2.32	76	12	FR	MS	6	60	3	3	ci	
							17.37	20.42	3.05	125		2.95	97	1.07	35	8	FR	MS	9	45	4	4	qz	
							20.42	23.47	3.05	125		2.75	90	1.56	51	7	FR	MS	10	70	4	3	qz	
23.47	26.52	3.05	C106996	65	30	6	23.47	26.52	3.05	170		2.88	94	1.94	64	10	FR	MS	7	50	4	4	qz	
							26.52	29.57	3.05	160		3.05	100	2.54	83	12	FR	MS	5	70	2	2	cb	
29.57	32.61	3.04	C106998	140	52	1	29.57	32.61	3.04	150		3.03	100	2.31	76	11	FR	MS	6	70	4	3	ci	
32.61	35.36	2.75	C106999	119	59	10	32.61	35.36	2.75	145		2.70	98	1.78	65	10	FR	MS	8	60	4	3	a	
35.36	38.71	3.35	C107000	36	84	8	35.36	38.71	3.35	130		3.32	99	2.40	72	12	FR	MS	7	60	3	3	e	
38.71	41.45	2.74	C107001	54	21	55	38.71	41.45	2.74	130		2.60	95	1.73	63	12	FR	MS	5	80	4	4	qz	
41.42	44.81	3.39	C107002	81	35	70	41.45	44.81	3.36	160		3.31	99	2.19	65	11	FR	MS	6	45	4	4	fe	
44.81	47.85	3.04	C107003	182	10	22	44.81	47.85	3.04	170		2.93	96	2.11	69	10	FR	MS	6	45	3	2	li	
47.85	50.90	3.05	C107004	66	17	14	47.85	49.99	2.14	140		2.10	98	1.60	75	12	FR	MS	6	45	3	3	li	
							49.99	53.04	3.05	140		2.86	94	2.31	76	12	FR	MS	5	45	3	3	li	
50.90	53.95	3.05	C107005	42	21	14																		
							53.04	53.95	0.91	145		0.90	99	0.46	51	8	FR	MS	10	80	4	3	li	
53.95	56.69	2.74	C107006	98	25	21	53.95	56.69	2.74	140		2.63	96	1.96	72	10	FR	MS	6	45	4	3	e	
56.69	59.44	2.75	C107007	80	20	9	56.69	59.44	2.75	140		2.65	96	2.19	80	13	FR	MS	3	45	3	2	cb	
59.44	62.84	3.40	C107008	33	19	25	59.44	62.48	3.04	130		3.01	99	2.74	90	8	FR	MS	8	50	3	3	e	
62.84	65.84	3.00	C107009	24	38	37	62.48	63.70	1.22	110		1.22	100	0.92	75	9	FR	MS	5	30	3	3	li	
							63.70	66.14	2.44	110		1.95	80	1.14	47	11	FR	MS	8	30	3	3	cb	
65.84	69.19	3.35	C107010	31	22	80																		
							66.14	69.19	3.05	120		3.04	100	2.87	94	12	FR	MS	4	60	4	4	qz	
69.19	72.24	3.05	C107011	101	73	150	69.19	72.24	3.05	140		3.01	99	2.54	83	13	FR	MS	4	50	4	3	a	
72.24	74.91	2.67	C107012	57	13	587	72.24	75.29	3.05	140		3.02	99	2.53	83	11	FR	MS	5	45	3	2	ci	
74.91	77.58	2.67	C107013	140	11	510																		
							75.29	78.33	3.04	160		3.04	100	2.65	87	13	FR	MS	3	60	3	3	a	
77.58	80.25	2.67	C107014	314	20	490																		
							78.33	81.38	3.05	200		3.03	99	2.79	91	14	FR	MS	2	45	3	3	li	
80.25	82.95	2.70	C107015	143	19	530																		
							81.38	84.43	3.05	400		3.02	99	2.61	86	13	FR	MS	3	60	4	3	li	
82.95	84.43	1.48	C107016	1340	30	550																		

Hole: L06-09 Section: Drilling dates: July 14 to 18, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
85											hem	tw			1050 cps ~83.5 FX w/ yellow	tw	t											
											hem	tw			py+sooty black min (PB?)		t											
	VT	30									hem	tw			cb/qz vt's w/ py+cp	t	t			Mc	t							
											hem	tw			30 cm cb VT @ 30° w/cp		t											
											hem	tw			lime gn min on FX	t	t											
											hem	tw																
90											hem	tw			he/mc on fx's					Mc	t							
			90.95	111.04		BX	TNGY								broken contact	f				Mc	t	Az	t					
															disseminated py throughout	f												
											hem	f			qz/cb vt's @ 45°	f												
	VT	45													93.8 he alt'd zone,	f												
95																f												
											he	t			trace he alt around vt's	f												
																f												
																f												
																f												
100	VT	85														f												
											he	f			fair he alt around FX	f												
																f												
																f												
105																f												
													lim	t		f												
													lim	t		f												
													lim	t		f												
													lim	t		f												
110													lim	t		f												
													lim	t		f												
			111.04	112.53	1.49	BX	PK				hem	f	lim	t	same bx, inc hem alt less py	t												
			112.53	114.60	2.07	BX	GYTN				hem	t	lim	t		f												
											hem	t	lim	t		f												
115			114.60	116.20	1.60	BX	PK				hem	f	lim	t	hem alt bx	t												
								CR	BD		hem	t	lim	t		f												
			116.20	121.50	5.30	BX	GYTN				hem	f	lim	t	diss py	t								SLT		car		py
													lim	t														
													lim	t														
120													lim	t														
															45° FX/CT	t												
			121.50	124.05		BX	GY								spec hem in mix		t	t						SLT		35	car	qtz	hem
															increasing clasts		t	t										
																	t	t										
125			124.05			EOH											t	t										

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Co (ppm)	ASSAYS Mo (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
85	84.43	87.48	3.05	C107017	101	62	580	84.43	87.48	3.05	140		2.93	96	2.57	84	12	FR	MS	4	60	3	2	ci	
	87.48	89.20	1.72	C107018	203	18	1450	87.48	90.52	3.04	120		3.00	99	2.53	83	13	FR	MS	3	45	4	3	li	
90	89.20	90.95	1.75	C107019	240	1200	582																		
	90.95	93.57	2.62	C107020	180	126	700	90.52	93.57	3.05	130		2.97	97	2.42	79	13	FR	MS	4	50	3	2	a	
	93.57	96.62	3.05	C107022	128	95	480	93.57	96.62	3.05	140		3.02	99	2.98	98	14	FR	MS	2	80	3	2	cp	
95																									
	96.62	99.67	3.05	C107023	84	101	94	96.62	99.67	3.05	140		2.92	96	2.75	90	14	FR	MS	3	60	3	3	a	
100	99.67	102.72	3.05	C107024	41	100	73	99.67	102.72	3.05	140		2.97	97	2.84	93	13	FR	MS	4	45	4	3	qz	
	102.72	105.77	3.05	C107025	76	28	12	102.72	105.77	3.05	110		3.04	100	2.74	90	12	FR	MS	4	45	3	3	qz	
105	105.77	108.81	3.04	C107026	31	66	6	105.77	108.81	3.04	120		2.96	97	2.56	84	14	FR	MS	2	45	4	3	a	
	108.81	111.04	2.23	C107027	115	84	14	108.81	111.86	3.05	140		2.95	97	2.50	82	12	FR	MS	5	70	4	3	fe	
110	111.04	112.53	1.49	C107028	21	11	6	111.86	114.91	3.05	120		2.94	96	2.56	84	14	FR	MS	2	45	4	3	li	
	112.53	114.60	2.07	C107029	55	117	8																		
115	114.60	116.20	1.60	C107030	17	10	3	114.91	117.96	3.05	120		3.00	98	2.91	95	14	FR	MS	2	45	3	3	a	
	116.20	118.85	2.65	C107031	22	32	2																		
								117.96	121.01	3.05	120		2.97	97	2.83	93	15	FR	MS	2	45	3	3	fe	
	118.85	121.50	2.65	C107032	66	20	1																		
120																									
	121.50	124.05	2.55	C107033	62	21	1	121.01	124.05	3.04	130		2.81	92	2.10	69	7	FR	MS	10	50	4	3	a	
				C107021 "Blank"	<2	<1	5																		
125																									

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-10**			PAD:	**1**

EASTING:	580176	NORTHING:	7204142	ELEVATION:	2099 m
AZIMUTH:	030°	DIP:	-50°	DEPTH:	72.24 m

START:	July 17, 2006	day	END:	July 19, 2006	day

DRILL DOWN TIME: 4 hours

REASONS: Broken core barrel, waiting on replacement

No night shift, operating with one 14 hour shift per day

SAMPLES:

TOTAL NUMBER:	12
DATE SENT TO LAB:	August 1, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 80.00 m

TARGET DESCRIPTION:

Eastern extension of mineralization. Hole planned to exit through cliff face.

DRILL CORE EVALUATION:

Brecciated siltstone to 37.72 m, generally background radioactivity.

23.47 to 26.52 m average 100 cps with a spot high of 500 cps

32.61 to 35.66 m average 110 cps with a spot high of 500 cps

Olive green intensely altered siltstone breccia between 37.72 and 72.24 m, above average radioactivity

53.95 to 57.00 m average 150 cps with a spot high of 300 cps

270 ppm U (0.032 $\%U_3O_8$) over 3.05 m (53.95 to 57.00 m)

ADDITIONAL COMMENTS:

Hole punched through cliff face short of estimated target depth.

Olive green unit intersected approximately 20 m before expected.

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580176	7204142	2099	72.24

Casing: depth: 10 ft out

Core Size: btw

Logger: R. Foubister

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	030	-50	chain/compas

Comments:
Contractor: Core Tech

Hole: L06-10

Section:

Drilling dates: July 17 to 19, 2006

depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	12.30	12.30	SLT	GY	BD							cb vt's 1/10cm-														
5	BD	15											Lim	t															
													Lim	t			t												
													Lim	t															
	BD	40									hem	w	Lim	t									SLT		15	car	qtz		
10	VT	60						BD			hem	t	Lim	t															
													Lim	t		t													
								CR					Lim	t		t	t												
			12.30	20.30	8.00	SLT	GY	BX			hem	t	Lim	t		t	t												
											hem	t	Lim	t	ser alt on FX	t													
15											hem	t	Lim	t		t				Mc	t								
											hem	t	Lim	t	diss py, cp in VT's	t													
											hem	t	Lim	t		t													
											hem	t	Lim	t	cb in FX	t													
											hem	t	Lim	t		t													
20											hem	t	Lim	t		t	t			Mc	t								
			20.30	37.72	17.42	SLT	GY	CR			hem	t	Lim	t		t													
											hem	t	Lim	t	22,80 50 cm BD SLT	t													
	BD	30									hem	t	Lim	t	~24 m 500 cps, BX/FX														
											hem	t	Lim	t									SLT		40	car			
25											hem	t	Lim	tw															
											hem	w	Lim	t															
											hem	t	Lim	t	26,5 chl on FX														
											hem	t	Lim	t															
								BX			hem	t	Lim	t	S BX, w/ cb VT	t													
30											hem	t	Lim	t															
											hem	t	Lim	t	xcuttig qz/cb VT's														
											hem	t	Lim	t	diss py	t													
	VT	80									hem	tw	Lim	t	32,92m 80° VT w/ Mc,Az	t	t			Mc	t	Az	t						
											hem	t	Lim	t	t hem 500 cps							Er	t						
35											hem	t	Lim	t	trace Er														
	BD	50									hem	t	Lim	t		t													
											hem	t	Lim	t															
			37.72	72.24	34.52	BX	TNGN				hem	t	Lim	t															
											hem	t	Lim	t	37,72 grad. Cont	t													
40											hem	t	Lim	t	t py throughout	t													
													Lim	t		tw													
													Lim	t	41,76 alt irredescent py	tw													
													Lim	t	on FX	tw	t												
													Lim	t		tw													
45											hem	tw	Lim	t	ser alt on 25° FX	tw													
	VT	85									hem	t	Lim	t		tw													
											ser	f	Lim	t	Mx altd green (ser?)	tw													
													Lim	t		tw													
											hem	w	Lim	t	FX coated in red hem	tw													
50											hem	t	Lim	tw		t													
													Lim	w	purp/orange alt on FX														
													Lim	tw		t													
													Lim	tw		tw													
											hem	tw	Lim	tw		tw													
55											hem	tw	Lim	tw	Mc, Cp, Hem in VT	tw	t	t		Mc	t								
											hem	tw	Lim	tw		tw													
											hem	tw	Lim	tw		t													
											hem	tw	Lim	tw	w ser alt	t													
											hem	tw	Lim	tw		t													
60											hem	w	Lim	tw	60 m, clasts hem alt	t													
											hem	w	Lim	tw															
											hem	t	Lim	tw															
											hem	t	Lim	f	63,09-69,19 darker region														
							BRPK				hem	w	Lim	f		t													
65											hem	w	Lim	f															
	FX	10									hem	w	Lim	m	hem stained FX 10°														
											hem	tw	Lim	m															
											hem	tw	Lim	m															
											hem	tw	Lim	m															
70							GR				hem	tw	Lim	tw															
											hem	tw	Lim	tw	Ser alt														
											hem	tw	Lim	tw															
			72.24			EOH																							

depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	5.79	5.79	130		2.20	38	0.59	10	8	SW	MS	10	70	3	3	Cb	
								5.79	8.23	2.44	125		2.03	83	1.11	45	9	FR	MS	8	60	2	4	Cb	
								8.23	11.28	3.05	120		2.67	88	1.40	46	9	FR	MS	8	70	3	4	Cb	
								11.28	14.33	3.05	130		3.03	99	2.41	79	12	FR	MS	7	50	5	4	Cb	
								14.33	17.37	3.04	120		3.03	100	2.83	93	13	FR	MS	4	45	5	5	Cb	
								17.37	20.42	3.05	125		2.57	84	1.86	61	12	FR	MS	6	60	5	4	Cb	
								20.42	23.47	3.05	120		2.92	96	2.48	81	13	FR	MS	4	50	5	4	Cb	
	23.47	26.52	3.05	C107034	55	26	55	23.47	26.52	3.05	160		2.82	92	2.46	81	13	FR	MS	5	50	3	4	Cb	
	26.52	29.57	3.05	C107035	42	28	93	26.52	29.57	3.05	120		2.80	92	2.66	87	14	FR	MS	2	50	5	5	Cb	
	29.57	32.61	3.04	C107036	21	30	60	29.57	32.61	3.04	120		2.84	93	2.71	89	13	FR	MS	3	60	5	5	Cb	
	32.61	35.66	3.05	C107037	65	83	69	32.61	35.66	3.05	160		2.91	95	2.60	85	13	FR	MS	4	70	5	4	Cb	
	35.66	37.72	2.06	C107038	20	29	110	35.66	38.71	3.05	120		3.01	99	2.09	69	10	FR	MS	7	70	3	4	Cb	
	37.72	39.70	1.98	C107039	34	80	159																		
	39.70	41.76	2.06	C107040	27	66	31	38.71	41.76	3.05	130		2.91	95	2.36	77	13	FR	MS	4	40	3	4	Li	
	41.76	44.81	3.05	C107041	62	46	62	41.76	44.81	3.05	140		3.04	100	2.68	88	13	FR	MS	6	40	3	4	Li	
	44.81	47.85	3.04	C107042	35	7	2	44.81	47.85	3.04	140		3.04	100	2.50	82	12	FR	MS	7	55	5	4	Li	
	47.85	50.90	3.05	C107043	67	21	<1	47.85	50.90	3.05	150		2.77	91	1.65	54	11	FR	MS	8	75	5	5	Li	
	50.90	53.95	3.05	C107044	59	13	1	50.90	53.95	3.05	150		2.75	90	1.67	55	10	FR	MS	9	45	5	5	Li	
	53.95	57.00	3.05	C107045	270	26	4	53.95	57.00	3.05	180		2.78	91	1.19	39	10	FR	MS	10	45	5	5	Li	
								57.00	60.05	3.05	110		2.47	81	1.11	36	10	FR	MS	12	40	5	4	Li	
								60.05	63.09	3.04	110		2.83	93	2.54	84	11	FR	MS	8	30	5	4	Li	
								63.09	66.14	3.05	115		2.70	89	2.15	70	12	FR	MS	5	40	5	4	Li	
								66.14	69.19	3.05	110		1.04	34	0.45	15	11	FR	MS	5	40	5	5	Li	
								69.19	72.24	3.05	110		1.74	57	0.60	20	10	FR	MS	6	50	5	4	Li	

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 5, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-11**			PAD:	**2**
EASTING:	580078	NORTHING:	7204104	ELEVATION:	2080 m
AZIMUTH:	020°	DIP:	-45°	DEPTH:	151.49 m
START:	July 23, 2006	day		END:	July 31, 2006 day

DRILL DOWN TIME: 4.5 days

REASONS: Emergency interrupted drill move, weather delayed the end of the move
Broken fuel line and waterline problems, 3 days delay
No night shift, operating with one 14 hour shift per day

SAMPLES:

TOTAL NUMBER: 9
DATE SENT TO LAB: August 5, 2006
DATE RESULTS EXPECTED: returned

TARGET DEPTH: 150.00 m
TARGET DESCRIPTION:
Western extension of mineralized zone.

DRILL CORE EVALUATION:

Brecciated siltstone to 7.67 m, silicified, background radioactivity.
Intensely silicified siltstone between 7.67 and 43.45 m, background radioactivity, faulted lower contact
grey glassy brecciated quartz, some relic bedding seen in places, hematized bands
Brecciated siltstone between 43.45 and 134.70 m, background radioactivity
126.20 to 126.50 >1000 cps with a spot high of 4700 cps
Olive green intensely altered siltstone breccia between 134.72 and 151.49 m, background radioactivity
2500 cps at contact

0.66% Cu over 3.99 m (12.11 to 16.10 m)
2430 ppm U (0.287 %U_3O_8) over 2.15 m (124.05 to 126.20 m)
690 ppm U (0.081 %U_3O_8), 6250 ppm Co over 1.14 m (133.58 to 134.72 m)

ADDITIONAL COMMENTS:

Drilling through upper silicified unit was extremely slow. Very hard.
Drill move interrupted in the middle due to a serious accident at a nearby camp, helicopter called away.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580078	7204104	2080	151.49

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	020	-45	compas

Comments:

Contractor: Core Tech

Hole: L06-11

Section:

Drilling dates: July 23 to July 31, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	6.33	6.33	SLT	GY	CR			qtz	w	lim	t	broken SLT, t-w qtz altn														
	BD	50																											
5																													
	BD	30	6.33	7.67	1.34	SLT	GY	BD			qtz	s			SLT as above w/ more qtz			w											
			7.67	12.11	4.44	CHT	LTGY								red hem FX fill			w											
															glassy qtz/cht			w											
10																		w											
	VT	70													cb VTs ~<1 mm		t	w		Mc	t	Az	t							
			12.11	16.10	3.99	VEN	WH	BX							qtz/cb VN, cp near UC		w			Mc	w									
													lim	t	Mc staining		w			Mc	w									
15																t	w			Mc	t	Az	t							
			16.10	33.72	17.62	CHT	LTGY	CR			hem	t			as above w/ JAS patches		t			Mc	t									
											hem	t						w												
											hem	t				t		w												
20	FN	30							FO		hem	t			weak foliation			w												
											hem	w						w												
											hem	w			numerous microfractures			w												
											hem	w	lim	w	irradescent lim on FX															
											hem	w			SER in FX															
25											hem	w																		
											hem	w																		
											hem	s			red hem strong to intentse			s												
																		s												
30															27.83-28.00 strong Cb VTs w/ BX			s												
	CN	80	33.72	36.04	2.32	SLT	GY	BX			cly	w			altd green/gy BX SLT															
35													hem	t	w/ TNPK clasts															
	BD	60													"gritty" sections															
			36.04	43.45	7.41	CHT	LTGY				hem	w			W cb VT's															
															CHT as before															
40																														
											cly	m	lim	w	42.32-44.90 l py bands	s														
			43.45	44.90	1.45	FLT	DKGY				cly	w			GO at 44.85-44.90															
45			44.90	134.70	89.80	SLT	DKGY	MA							massive to CR SLT, no BD	t														
															t to w cb vt's	t														
															rubbly w/ S to f Qz near UC	t														
															over ~30 cm	t														
50								CR								t														
																t														
																t														
	VT	60					GY	BN							qz+cb VT ~ 2 cm															
	BD	60													transition to LTGY w/ BD															
55							DKGY	MA																						
60																														
																	t													
																	t													
65																														
																	t													
							GY	BN	CR																					
	BD	70													red hem on FX			t												
70																														
	FX	30													Garnet and gypsum on FX															
															4-5 mm Ge xtals - 72.04					Ga	t	Gy	tw						
75							LTGY	BN	BX						sedimentary BX, light colour															
	BD	75													clasts in dark SST MX															
80																														
	BD	80					GY	CR							cracked SLT															

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
12.11	14.10	1.99	C107046	3	11	1
14.10	16.10	2.00	C107047	2	10	1
41.19	42.98	1.79	C107048	107	25	31

Blocks From (m)	To (m)	Inlvl. (m)	Radiometrics (average)	Magnetics
0.00	5.18	5.18	90	
5.18	8.23	3.05	85	
8.23	11.28	3.05	90	
11.28	14.32	3.04	80	
14.32	17.37	3.05	80	
17.37	20.42	3.05	80	
20.42	23.47	3.05	80	
23.47	26.52	3.05	80	
26.52	29.57	3.05	75	
29.57	32.61	3.04	80	
32.61	35.66	3.05	80	
35.66	38.71	3.05	85	
38.71	41.15	2.44	85	
41.15	42.98	1.83	75	
42.98	44.81	1.83	80	
44.81	47.85	3.04	80	
47.85	50.90	3.05	80	
50.90	53.94	3.04	80	
53.94	57.00	3.06	80	
57.00	60.05	3.05	75	
60.05	63.09	3.04	85	
63.09	66.14	3.05	80	
66.14	69.19	3.05	80	
69.19	72.24	3.05	80	
72.24	75.29	3.05	80	
75.29	78.33	3.04	85	
78.33	81.38	3.05	80	
81.38	84.43	3.05	80	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
2.35	45	1.10	21	7	SW	MS	16	80	3	3	Li	
2.95	97	1.14	37	8	FR	MS	10	60	4	3	Li	
2.63	86	0.50	16	8	FR	VS	13	60	4	3	Li	
2.84	97	2.23	73	12	FR	VS	5	50	4	3	Cb	
2.91	95	2.21	72	13	FR	VS	4	60	3	3	Fe	
2.62	86	1.47	48	10	FR	VS	9	80	3	3	Li	
2.81	92	1.91	63	12	FR	VS	6	50	3	3	Li	
2.50	82	1.52	50	10	FR	VS	9	45	3	3	Li	
2.91	95	1.35	44	9	FR	VS	11	45	4	3	Li	
2.67	88	2.10	69	12	FR	VS	7	60	5	3	Li	
2.81	92	2.09	69	10	FR	MS	8	45	3	3	Cb	
3.04	100	2.19	72	10	FR	VS	7	60	4	3	Li	
1.95	80	1.44	59	10	FR	VS	7	80	3	3	Li	
1.84	101	0.92	50	9	FR	VS	10	80	4	3	Li	
1.09	60	0.81	44	6	MW	VW	15	75	5	4	Li	
2.76	91	1.19	39	8	MW	VW	10	80	3	3	Li	
3.04	100	1.20	39	7	FR	VW	13	50	3	3	Li	
2.66	88	1.21	40	8	FR	VW	9	45	3	3	Li	
2.82	92	1.87	61	8	FR	W	11	60	4	3	Li	
1.61	53	0.45	15	7	FR	W	11	45	3	3	Li	
2.26	74	0.43	14	6	MW	W	18	45	3	3	Li	
3.01	99	1.75	57	10	FR	W	8	45	4	3	Li	
2.94	96	1.83	60	10	FR	W	8	45	4	3	Py	
2.66	87	1.52	50	11	FR	W	6	45	3	2	Qz	
2.98	98	2.22	73	12	FR	MS	4	50	3	2	Cb	
2.99	98	2.66	88	13	FR	MS	4	60	3	2	Cb	
2.88	94	2.21	72	13	FR	MS	4	60	3	2	Li	
2.87	94	2.48	81	12	FR	MS	5	45	3	2	Li	

Hole: L06-11 Section: Drilling dates: July 23 to July 31, 2006

Depth (m)	Struct. Type	Struct. Altitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
95															
								CR							
	BD	60													
90															
95															
100															
105	BD	60													Mc along FX
													ser	t	
110															
													ser	t	
115													ser	t	
													ser	t	
													ser	t	
120													ser	t	
													ser	t	
													ser	t	
125	BD	50													
										RA					126.20-126.5 >1000 cps
															max 4700 cps
130															
	FX	55													graphite along FX
															5 cm ~ 2500 cps @ CN
135			134.72	151.49		BX	TN	BN			herm	t			TNPK BX w/ herm
															MA to BX
															clasts show bedding
															sections w/ stronger herm
140															altn over 10-20 cm
											herm	t			cb VT's ~1 cm
											herm	t			alternating bands w/ herm
											herm	t			altn ~ 1/m
145															
													ser	t	
150															
			151.49			EOH									
155															

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
95														
90														
95														
100														
105			t		Mc	t								
			t		Mc	t								
110														
115														
120														
125														
130					Gr	t								
			t											
					Gr	w								
					Gr	t	Mc	t						
135					Er	t	Mc	t						
140														
145														
150														
155														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)
95							
90							
95							
100							
105							
110							
115							
120							
125	124.05	126.20	2.15	C107049	2430	88	115
	126.00	127.10	1.10	C107050	154	21	35
	127.10	130.15	3.05	C107051	7	24	14
130							
	130.15	133.58	3.43	C107052	38	15	12
	133.58	134.72	1.14	C107053	690	6250	30
135	134.72	137.77	3.05	C107054	69	60	17
140							
145							
150							
155							

Depth (m)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
95	84.43	87.48	3.05	80	
	87.48	90.53	3.05	80	
90					
	90.53	93.57	3.04	85	
95					
	93.57	96.62	3.05	90	
	96.62	99.67	3.05	85	
100					
	99.67	102.71	3.04	85	
105	102.71	105.77	3.06	90	
	105.77	108.81	3.04	95	
110					
	108.81	111.86	3.05	95	
	111.86	114.91	3.05	100	
115					
	114.91	117.96	3.05	90	
	117.96	121.01	3.05	90	
120					
	121.01	124.05	3.04	95	
125	124.05	127.10	3.05	130	
	127.10	130.15	3.05	100	
130					
	130.15	134.72	4.57	100	
135	134.72	137.77	3.05	120	
	137.77	140.82	3.05	110	
140					
	140.82	143.87	3.05	100	
	143.87	146.91	3.04	105	
145					
	146.91	149.96	3.05	110	
150					
	149.96	151.49	1.53	105	
155					

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
95	2.93	96	2.72	89	12	FR	MS	5	45	3	2	Li	
	2.89	95	2.40	79	13	FR	MS	4	45	3	2	Cb	
90													
	3.03	100	2.52	83	12	FR	MS	4	45	3	2	Cb	
95													
	2.99	98	2.13	70	9	FR	MS	7	45	4	3	Cb	
	2.97	97	2.12	70	12	FR	MS	5	45	4	3	Qz	
100													
	2.98	98	2.50	82	13	FR	MS	3	60	3	2	Cb	
105	2.99	98	2.29	75	9	FR	MS	7	60	4	3	Qz	
	2.92	96	2.59	85	12	FR	MS	5	45	4	3	Cb	
110													
	3.01	99	1.72	56	11	FR	MS	5	45	3	3	Cb	
	3.04	100	2.87	94	13	FR	MS	4	45	4	3	Li	
115													
	2.97	97	2.84	93	14	FR	MS	2	30	3	3	Li	
	2.94	96	1.93	63	12	FR	MS	5	45	3	3	Li	
120													
	2.99	98	2.09	69	11	FR	MS	5	60	4	3	Cb	
125	2.70	89	1.85	61	11	FR	MS	5	30	4	4	Fe	
	3.02	99	1.36	45	9	FR	MS	9	45	3	3	Li	
130													
	4.45	97	2.65	58	10	FR	MS	7	45	3	3	Fe	
135	2.94	96	2.67	88	13	FR	MS	2	45	3	2	Li	
	2.85	93	2.63	86	14	FR	MS	2	45	3	3	A	
140													
	3.03	99	2.83	93	13	FR	MS	3	60	3	3	Li	
	2.92	96	2.89	95	14	FR	MS	2	70	3	3	Li	
145													
	2.84	93	2.27	74	12	FR	MS	6	45	3	3	A	
150													
	1.60	105	1.46	95	12	FR	MS	4	60	3	3	A	
155													

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-12**			PAD:	**2**

EASTING:	580078	NORTHING:	7204104	ELEVATION:	2080 m
AZIMUTH:	040°	DIP:	-45°	DEPTH:	153.92 m

START:	August 1, 2006	day	END:	August 6, 2006	day

DRILL DOWN TIME: 18 hours

REASONS: Waterline problems

SAMPLES:

TOTAL NUMBER:	3
DATE SENT TO LAB:	August 14, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 150.00 m

TARGET DESCRIPTION:

Extension of mineralized zone.

DRILL CORE EVALUATION:

Brecciated siltstone to 6.50 m, silicified, background radioactivity.

Intensely silicified siltstone between 6.50 and 38.42 m, background radioactivity

grey glassy brecciated quartz, some relic bedding seen in places, hematized bands

Brecciated siltstone between 38.42 and 128.54 m, background radioactivity

Peak value of 150 cps over 10 cm

Olive green intensely altered siltstone breccia between 128.54 and 153.92 m, background radioactivity

ADDITIONAL COMMENTS:

Drilling through upper silicified unit was extremely slow. Very hard.

Now have a night shift again.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

Comments:
Contractor: Core Tech

East	North	Elev.	Depth
580078	7204104	2080	153.92

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	040	-45	compas

Hole: L06-12

Section:

Drilling dates: August 1 to 6, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Int'l. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	6.50	6.50	SLT	GY	BN	CR			qtz	m			rubbly SLT, OVB, silicified																					0.00	5.18	5.18	90		2.81	54	1.49	29	7	SW	VS	14	90	3	3	Li	
												qtz	m			Cb VT's ~ 2/m ~ 1 cm																																																
	BD	40										qtz	m																																													
5	VT	80										qtz	m																																											
												qtz	m																																												
												qtz	s																																												
			6.50	7.30	0.80	CHT	GY	CR								glassy grey silicified SLT																					5.18	11.28	6.10	85		5.83	96	2.30	38	8	SW	VS	10	70	3	3	Li	
			7.30	7.50	0.20	FLT	BN			GO		cly	s			gouge, FLT zone																																											
			7.50	30.42	22.92	CHT	GY	CR						hem	t	as ab above w/ hem patches																																														
10														hem	t			t																																							
														hem	t	cp in FX's and Cb VT's		t																																									
														hem	t	red earthy hem FX fill and		t																																										
														hem	t	alt'n	t	t																																							
														hem	w			t	t																																						
15	VT	70												hem	w			t																																						
	BD	40												hem	w																																								
																		t																																						
20																		t																																					
																		t																																						
25																																																							
												ser	t	hem	m																																									
														hem	m																																								
														hem	m																																								
														hem	m																																								
30														hem	m																																							
			30.42	31.04	0.62	SLT	GNGY	BN				qtz	m			lim altd Cb VT at CN																																										
			31.04	38.42	7.38	CHT	GY	CR				cly	s	lim	m	altd SLT (CHT) as above																																									
														hem	m																																								
														hem	m																																								
35	BD	50												hem	m	relic bedding ~50°																																									
														hem	m																																								
			38.42	44.00	5.58	SLT	DKGY	MA								very broken																																									
40																																																						
45			44.00	44.75	0.75	CHT	GY									small CHT band as before																																									
			44.75	73.49	28.74	SLT	DKGY	MA				lim	m	cly	s	broken near U.C.																																								
												lim	t																																									
												lim	t					t																																				
50												lim	t					t																																				
												lim	t																																									
												lim	t																																									
												lim	t																																									
												lim	t					t	t																																			
												lim	t					t	t																																			
55												lim	t																																									
												lim	t					t																																				
												lim	t					t																																				
												lim	t					t																																				
												lim	t																																									
60												lim	t																																								
	BD	50						BD								faint/weak bedding		t																																							
																cb FX fill																																									
65	FX	49														calcite FX fill																																									
70																																																						
	BD	50	73.49	82.30		SLT	LTGY	BX	BN																																												
75	BD	30																																																			
80	BD	40														4 cm VT																																								
			82.30	87.79		SLT	LTGY	MA	CR							CB FX fill																																						

Hole: L06-12 Section: Drilling dates: August 1 to 6, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
85																																				84.43	87.48	3.05	110		2.99	98	1.69	55	9	FR	MS	9	60	5	4	Cb	
			87.78	97.50		SLT	MDGY								same unit as above																					87.48	93.57	6.09	105		5.92	97	4.77	78	13	FR	MS	5	45	3	2	Cb	
90	BD	50													BD w/ variable laminations															89.65	94.12	4.47	C107055	21	21	15																		
	BD	50													more crackled																						93.57	96.62	3.05	110		2.97	97	2.68	88	12	FR	MS	6	45	5	3	Cb	
95															CB VT w/ SA SLT frags															94.12	96.89	2.77	C107056	40	70	148																		
			97.50	101.10		SLT	MDGY	MA								t	t													96.89	99.67	2.78	C107057	49	11	27	96.62	99.67	3.05	110		2.98	98	2.24	73	12	FR	MS	5	45	3	2	Cb	
	BD	45						MA																																												
100								BD							Gr along bedding					Gr	w																99.67	102.72	3.05	105		2.93	96	2.40	79	11	FR	MS	6	60	4	3	Cb	
	BD	35	101.10	128.54		SLT									small blebs Cb/Cl altn																						102.72	105.77	3.05	105		3.03	99	2.49	82	13	FR	MS	6	55	3	3	Cb	
105								MA																																												
											hem	t																									105.77	108.81	3.04	105		2.97	98	2.68	88	13	FR	MS	4	60	4	3	Cb	
													chl	t																																						
											hem	m	chl	t	pervasive chl altn																						108.81	111.86	3.05	105		2.73	90	2.29	75	10	FR	MS	8	65	5	3	A	
	BD	54						CR			hem	m	chl	tw																																						
110								CR			hem	m	chl	w																																						
											hem	t	chl	w																																						
											hem	tw	chl	w																																						
								BX			hem	w	chl	w																																						
	BD	28						BD			hem	t	chl	w																																						
115	BD	35						CR			hem	t	chl	w	darker clasts																						111.86	114.91	3.05	105		2.99	98	2.58	85	12	FR	MS	6	65	3	3	A	
	BD	60						BD	CR				chl	w																																						
	BD	50						CR			hem	w	chl	w	hematite infilling CR																						114.91	117.96	3.05	105		2.81	92	2.36	77	11	FR	MS	7	60	3	3	A	
								CR			hem	w	chl	w																																						
								CR			hem	t	chl	w																						117.96	121.01	3.05	100		2.74	90	2.23	73	10	FR	MS	9	60	4	3	A	
120								CR			hem	tw																																								
	VT	75						CR			hem	tw			Cb VT																																						
								CR	MO		hem	t	qtz	t	weak chl altn to 128.54																						121.01	124.05	3.04	100		2.96	97	2.00	66	10	FR	MS	10	50	3	3	Li	
								CR			hem	t	qtz	t																																						
								CR			hem	t	qtz	t																																						
125								CR			hem	w	qtz	m																						124.05	127.01	2.96	100		2.20	74	1.29	44	12	FR	MS	8	40	1	3	Fe	
								CR			hem	t	qtz	w	cb VT's																																					
								CR			alb	w	qtz	m																																						
								CR																																													
			128.54	153.10		BX	LTGN				hem	m	chl	m	SLT clasts, grad contact																						127.01	130.14	3.13	100		2.72	87	2.30	73	12	FR	MS	4	35	4	3	Fe	
130											hem	m	chl	m	more bleaching with depth																																						
											hem	m	chl	m	relic bedding seen in clasts																						130.14	133.20	3.06	100		2.90	95	2.39	78	12	FR	MS	5	30	5	4	Fe	
											hem	m	chl	m																																					
											hem	m	chl	m																																					
											hem	ms	chl	m			t																			133.20	136.25	3.05	105		2.89	95	2.20	72	13	FR	MS	5	30	1	4	Cb	
135											hem	m	chl	m		t	t	t																																	
											hem	m	chl	m			t																			136.25	139.29	3.04	105		2.84	93	2.32	76	13	FR	MS	4	40	5	3	Cb	
											hem	m	chl	m			t																																		
											hem	m	chl	m			t																																		
140											hem	m	chl	m		t	t																		139.29	141.37	2.08	C107058	30	41	3	139.29	142.34	3.05	125		2.94	96	2.71	89	14	FR	MS	4	30	5	3	Cb	
													chl	m		t	t																																	
													chl	m		t	t																		141.37	142.34	0.97	C107059	141	48	11																		
													chl	m		t	t																		142.34	145.39	3.05	C107060	17	40	4	142.34	145.39	3.05	105		3.02	99	2.79	91	14	FR	MS	3	70	5	2	Fe	
													chl	m		t	t																																	
145													chl	m		t	t																																		
													chl	m		t	t																																		
											hem	m	chl	f		t	t																																		
											hem	m	chl	f			t																																		
											hem	m	chl	f			t																																		
150											hem	m	chl	f			t																																		
											hem	m	chl	f			t																																		
											hem	m	chl	f			t																																		
											hem	m	chl	f			t																																		
			153.92			EOH											t																																			
155																																																				

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-13**	PAD:	**2**

EASTING:	580078	NORTHING:	7204104	ELEVATION:	2080 m
AZIMUTH:	350°	DIP:	-45°	DEPTH:	160.63 m

START:	August 6, 2006	night	END:	August 11, 2006	night

DRILL DOWN TIME:	1.75 days
REASONS:	Clutch on drill broke, down for one day
	Frozen waterline down for 0.75 days to thaw and install heaters

SAMPLES:

TOTAL NUMBER:	0
DATE SENT TO LAB:	-
DATE RESULTS EXPECTED:	-

TARGET DEPTH: 150.00 m

TARGET DESCRIPTION:

Eastern extension of mineralized zone and possible fault source.

DRILL CORE EVALUATION:

Brecciated siltstone to 12.75 m, silicified, background radioactivity.

Intensely silicified siltstone between 12.75 and 21.30 m, background radioactivity, faulted lower contact
grey glassy brecciated quartz, some relic bedding seen in places, hematized bands

Brecciated siltstone between 21.30 and 39.42 m, moderately silicified, background radioactivity

Brecciated siltstone between 39.42 and 160.63 m, background radioactivity
interbedded dark graphitic siltstone bands and lighter coloured

ADDITIONAL COMMENTS:

Drilling through upper silicified unit was slow. Very hard.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580078	7204104	2080	160.43

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	350	-45	compas

Comments:

Contractor: Core Tech

Hole: L06-13

Section:

Drilling dates: August 6 to 11, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	12.75	12.75	SLT	GY	BD	CR		qtz	s																	
											qtz	s																	
											qtz	s																	
											qtz	s																	
5											qtz	i																	
											qtz	i	hem	m															
											qtz	i																	
											qtz	i																	
10											qtz	i																	
											qtz	i																	
											qtz	i																	
			12.75	21.30	8.55	CHT	GY		CR						extremely silicified SLT														
	BD	50													little to no relic bedding														
15													hem	ms	red earthy hem FX fill and alt														
															WH/BN qtz FX fill and CR														
											car	f			cb VT's and MX in CR														
															glassy appearance														
20															rubbly														
							BX																						
			21.30	39.42	18.12	SLT	BX				qtz	i																	
											qtz	s																	
							CR				qtz	ms																	
25	BD	40											hem	m															
													hem	m															
											car	m	hem	m															
													hem	m															
30															MA to BN DKGY bands														
	VT	60													1 cm cb VT's 3/m, x-cut BD														
											car	ms			cb VT 31.90-33.00 BX'd, BD w/ SLT														
35																													
											qtz	s	hem	ms	silicified and hematized BD														
40			39.42	63.50	24.08	SLT	DKGY	BX			qtz	w			hem+car MX								SED		15	car	hem		
	BD	40						CR	BD		qtz	s			DKGY silicified SLT, relic BD														
											qtz	s																	
											qtz	s																	
	VT	50													cb VT's q/m ~<1cm														
45																													
50																													
											qtz	s	ser	tw															
											qtz	s	ser	tw															
											qtz	s	ser	tw															
											qtz	s	ser	tw															
55											qtz	s	ser	t															
											qtz	ms			"platy" rubble, healed FLT? ~10 cm, broken														
										VU					minor vugs														
60																													
											qtz	m																	
			63.50	86.75	23.25	SLT	GY	BD	CR						GYBN SLT w/ BD at 0°														
65	BD	20													BX bands 0° w/ hem MX														
	FX	15							BX						Gypsum in FX x-cut BD				Gy	tw	Gn	t							
									BX						garnet w/ Gy on FX, Mc				Gy	tw									
									BX						Gy on FX, well formed xtals (desert rose)				Gy	tw									
70									CR										Gy	tw									
									BX						platy Gy on FX near BX				Gy	tw									
									CR						graphitic														
75																													
															cb VT's w/ red hem														
80																													

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
						0.00	7.01	7.01															
						7.01	10.06	3.05	95		1.97	65	0.88	29	8	SW	MS	12	50	5	3	Fe
						10.06	12.80	2.74	95		2.45	89	0.96	35	10	SW	MS	8	50	1	3	Fe
						12.80	15.85	3.05	90		2.46	81	1.86	61	11	SW	MS	9	60	4	4	Li
						15.85	18.90	3.05	95		2.53	83	1.88	62	11	SW	MS	7	40	1	4	Li
						18.90	21.95	3.05	90		2.09	69	1.17	38	10	SW	MS	8	65	1	4	Fe
						21.95	24.99	3.04	95		2.19	72	1.14	38	10	FR	MS	8	30	3	3	Fe
						24.99	28.04	3.05	95		2.23	73	1.66	54	10	FR	MS	7	40	1	3	Li
						28.04	29.57	1.53	90		0.37	24	0.23	15	9	SW	W	10	60	2	3	Li
						29.57	32.61	3.04	90		2.29	75	1.70	56	12	SW	MS	9	50	1	5	Li
						32.61	35.66	3.05	100		2.62	86	1.67	55	10	FR	W	10	50	1	3	Fe
						35.66	38.71	3.05	100		2.50	82	1.65	54	10	FR	W	8	65	1	5	Li
						38.71	41.76	3.05	100		2.38	78	1.20	39	9	FR	MS	10	40	1	4	Fe
						41.76	44.81	3.05	100		2.71	89	1.88	62	11	FR	W	5	35	3	4	Fe
						44.81	47.85	3.04	105		2.93	96	2.21	73	11	FR	MS	6	45	1	3	Fe
						47.85	50.90	3.05	105		2.59	85	1.76	58	11	SW	MS	6	50	1	3	Fe
						50.90	53.95	3.05	110		3.05	100	2.22	73	11	FR	MS	7	65	3	4	Li
						53.95	57.00	3.05	100		2.22	73	1.36	45	12	SW	MS	7	45	1	5	Li
						57.00	60.05	3.05	100		2.31	76	0.49	16	8	SW	W	14	55	1	3	Li
						60.05	63.09	3.04	100		1.97	65	0.64	21	10	SW	W	15	50	4	3	Fe
						63.09	66.14	3.05	100		2.46	81	1.84	60	12	FR	W	8	40	1	2	Li
						66.14	69.19	3.05	100		2.54	83	1.61	53	11	SW	W	7	40	4	3	Fe
						69.19	72.24	3.05	100		2.95	97	2.41	79	13	FR	W	5	55	1	2	Fe
						72.24	75.29	3.05	105		2.94	96	2.74	90	12	FR	W	6	55	1	3	A
						75.29	78.33	3.04	100		2.71	89	1.70	56	10	FR	W	7	55	1	3	A
						78.33	81.38	3.05	100		2.91	95	2.72	89	12	FR	W	4	50	1	2	A
						81.38	84.43	3.05	100		2.77	91	1.62	53	10	FR	W	6	35	1	3	Qz

Hole: L06-13 Section: Drilling dates: August 6 to 11, 2006

Depth (m)	LITHOLOGY: Struct. Type	Struct. Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION: Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS: Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA: Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
85							DKGY								graphitic														
															BX'd contact														
			86.75	101.85		SLT	GY	MA							becomes less BD, more MA														
											cer	t																	
90															88.50 -10 cm heavily weath. -sandy FLT														
													chl	t		t													
95																													
	BD	50																											
100											ser	f																	
											ser	f			gradational contact														
	BD	25	101.85	108.05		SLT	GY	BD	CR						GY to DKGY graph, SLT														
	BD	10																											
105																													
															BD fading														
															contact over ~30 cm														
			108.05	113.36		SLT	GYGN	MA	FG						little to no VT's														
110																													
			113.36	114.60		SLT	GY	CR							as above, CR, qz+cb VT's		t	t											
115	BD	10	114.60	160.43		SLT	DKGY	BD	CR						graphitic, CR SLT		t	t											
	VT	80													qz VT's 5/m														
120	BD	0																											
								BX							121.75-122.30 BX'd w/ qz MX +/- py, hem	t												
125							GY	BD							as above, lighter colour not graphitic														
															alternating BDs of graphitic and non														
130																													
															unbroken BD'd unit														
									BN																				
135																													
	VT	80													cb VT's +/- py	t													
																t													
140	BD	10													dis py in light coloured BD's	t													
															darker graphitic BD's	t													
																t													
																t													
145	VT	85						BX							becoming CR to BX		tr												
															qz+cb VT's ~ 1 cm w/ ~2% cp														
								CR																					
150	VT	50													149.55 -18 cm qz VT w/ py	t													
155															becomes more graphitic														
	VT	50						BX			chl	t			qz VT, Er on FX's				Er	t									
																			Er	t									
	VT	50													qz+cb VT				Er	t									
165																													
			160.43			EOH																							

Depth (m)	ASSAYS: From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks: From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL: REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS: Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
85							84.43	87.48	3.05	100		2.40	79	1.02	33	9	FR	W	10	50	3	3	Fe	
							87.48	90.53	3.05	100		2.56	84	1.15	38	10	SW	W	9	50	3	4	Li	
90							90.53	93.57	3.04	100		2.42	80	0.31	10	8	FR	W	11	55	1	2	Fe	
							93.57	96.62	3.05	100		2.31	76	1.13	37	10	FR	W	9	35	2	1	Fe	
95																								
							96.62	99.67	3.05	100		2.72	89	1.86	61	12	FR	W	8	30	4	2	Fe	
100							99.67	102.72	3.05	100		2.88	94	2.59	85	12	FR	W	7	55	1	4	Li	
							102.72	105.77	3.05	100		2.96	97	2.81	92	13	FR	W	4	25	1	2	Qz	
105							105.77	108.81	3.04	100		2.68	88	2.20	72	12	FR	W	6	50	1	3	Qz	
							108.81	111.86	3.05	100		2.84	93	2.47	81	12	FR	W	5	60	1	3	Fe	
110							111.86	114.91	3.05	100		2.83	93	2.34	77	12	FR	W	6	25	1	3	Fe	
							114.91	117.96	3.05	100		2.58	85	1.51	50	10	FR	W	7	55	1	3	Fe	
115							117.96	121.01	3.05	100		2.79	91	2.12	70	12	FR	W	6	45	5	3	Fe	
							121.01	124.05	3.04	100		2.39	79	1.57	52	9	FR	W	9	40	1	4	Fe	
120							124.05	127.10	3.05	105		2.15	70	1.23	40	12	FR	W	6	45	1	4	Qz	
							127.10	130.15	3.05	105		2.56	84	1.27	42	11	FR	W	7	40	1	3	Qz	
125							130.15	133.20	3.05	105		2.22	73	0.91	30	9	FR	W	7	45	1	4	Fe	
							133.20	136.25	3.05	105		2.66	87	2.25	74	12	FR	W	6	30	1	3	Fe	
130							136.25	139.29	3.04	105		3.05	100	2.57	85	12	FR	W	7	50	1	1	Qz	
							139.29	142.34	3.05	105		2.41	79	2.04	67	12	FR	W	6	50	1	2	Qz	
135							142.34	145.39	3.05	105		3.05	100	2.77	91	12	FR	W	6	60	1	3	Cb	
							145.39	148.44	3.05	110		2.76	90	2.11	69	13	FR	W	4	50	2	3	Fe	
140							148.44	151.49	3.05	105		2.96	97	2.41	79	12	FR	W	5	60	1	3	Qz	
							151.49	154.43	2.94	105		2.94	100	2.48	84	13	FR	MS	3	70	1	3	Fe	
145							154.43	157.58	3.15	105		2.50	79	1.82	58	11	FR	MS	5	30	3	2	A	
							157.58	160.43	2.85	105		0.97	34	0.32	11	9	FR	MS	10	45	1	3	Cb	
150																								
155																								
160																								
165																								

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 8, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-14**			PAD:	**5**
EASTING:	580178	NORTHING:	7204088	ELEVATION:	2082 m
AZIMUTH:	050°	DIP:	-50	DEPTH:	163.47 m
START:	August 12, 2006	night		END:	August 20, 2006 day

DRILL DOWN TIME:

REASONS: Water

SAMPLES:

TOTAL NUMBER:	5
DATE SENT TO LAB:	August 22, 2006
DATE RESULTS EXPECTED:	Returned

TARGET DEPTH: 125.00 m

TARGET DESCRIPTION:

Eastern fault boundary and extension of mineralization.

DRILL CORE EVALUATION:

Quartz arenite to 14.90 m, background radioactivity

Grey to purple, crackled siltstone between 14.90 and 41.52 m, background radioactivity

Tan-pink siltstone breccia between 41.52 and 53.07, average 150 cps, locally up to 200 cps

Grey to purple, crackled siltstone between 41.52 and 80.00 m, background radioactivity

Grey brecciated dolomite altered siltstone between 80.00 and 162.28 m, background radioactivity

gradational increase of dolomite within same siltstone as above, 2-15 mm dolomite crystals

Tan to pink breccia between 162.28 and 163.68, background radioactivity

chlorite and albite altered siltstone

ADDITIONAL COMMENTS:

Unable to run two drills from one water source. L06-14 was paused to allow second drill to finish L06-17 and move to other targets. (August 13 to 18)

Hole extended to 160.00 m to ensure it passed through probable fault zone.

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580178	7204088	2082	163.47

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	050	-50	compas

Comments:
Contractor: Core Tech

Hole: L06-14 **Section:** **Drilling dates:** August 12 to 20, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	14.90	14.90	SLT	WH	CR	FG	BD	ble	l	qtz	l	white silicified siltstone	t													
															patchy chlorite alteration	t													
	BD	50													diss. Py throughout	t													
5																t													
																t													
	BD	60														t													
																t													
10																t													
	VT	80													Cb VT's - very few	t													
													chl	t		t													
															pinkish clasts	t													
													chl	t	gradational contact	t													
15			14.90	41.52	26.62	SLT	GYPU	CR							grey-purple BX to CR			tw						SED		15	hem	car	qtz
															spec hem + cb FX and MX			tw											
																		tw											
																		tw											
20																		tw											
	VT	45														t	t	tw											
															qz+cb VT ~ 1 cm	t	t	tw											
																t		tw											
																		tw											
25																		tw											
													chl	t	t chl in MX and FX			tw											
																		tw											
																		tw											
																		tw											
30																		tw											
																		tw											
																		tw											
																t		tw											
																t		tw											
35																t	t	tw											
																t	t	tw											
																t		tw											
																t	t	tw											
																t	t	tw											
40																t	t	tw											
								BX							brecciated contact	t	t	tw											
			41.52	48.20	6.68	BX	TNPK				alb	tw			tan BX, similar appearing to			t								15	car	chl	hem
															above, w/ chl+cb MX min														
															CR to BX texture														
45															slightly higher BKGD RA														
															max 200 cps														
																t													
															gradual texture change	t													
			48.20	53.07	4.87	BX	TNPK		MO		alb	tw	chl	t	blotchy qz+cb throughout									SED		10	car		
50															alb alt clasts														
															dolomite in MX			t											
																		t											
			53.07	57.50	4.43	BX	GY		MO		alb	tw	chl	t	BX same as 48.20-53.07 but			t						SED		10	car	hem	
55															GY colour			t											
															spec hem in MX <1%			tw											
															gradational contact			tw											
			57.50	59.50	2.00	BX	GYPK				alb	s	ble	t	GY to PK BX			t											
															pinker/greenish towards CN			t											
60	CN	50	59.50	61.15	1.65	BX	TNPK				ble	s	alb	ms	pale, minor ser altd clasts														
															abrubt contact														
			61.15	66.14	4.99	BX	GY								grey BX SLT, qz+cb MX														
	FX	35													trace Mc on FX				Mc	t									
											alb	t			75% PK alb altd clasts														
65													herr	t	minor red hem FX fill														
															rubbly CN														
			66.14	98.05	31.91	SLT	GY	MA	CR		car	tw			MA to w BD SLT														
70																													
	BD	50																t											
																		t											
75													chl	tw	chl along cb FX and VT's		t	t											
													chl	tw			t												
80																													
											dol	w			dol xtals ~ 5 mm throughout														
	BX	45									dol	w			narrow BX band ~2 cm														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	5.18	5.18	100		2.21	43	1.69	33	11	SW	W	4	35	4	3	Fe	
5																									
								5.18	8.23	3.05	100		2.83	93	2.54	83	13	SW	MS	4	50	1	4	Fe	
10								8.23	11.28	3.05	100		3.30	108	2.94	96	13	FR	W	3	50	1	4	Qz	
								11.28	17.37	6.09	105		5.40	89	5.07	83	13	FR	W	4	35	3	3	Fe	
15																									
								17.37	20.42	3.05	100		3.00	98	2.82	92	14	FR	W	2	65	3	3	A	
20																									
								20.42	23.47	3.05	105		3.10	102	3.10	102	14	FR	W	2	65	5	3	A	
								23.47	26.52	3.05	110		2.80	92	2.77	91	13	FR	W	3	60	5	3	A	
25																									
								26.52	29.57	3.05	110		2.92	96	2.74	90	13	FR	W	4	65	1	3	A	
30																									
								29.57	32.61	3.04	105		2.98	98	2.81	92	13	FR	W	4	70	2	4	Qz	
								32.61	35.66	3.05	105		2.96	97	2.67	88	14	FR	W	3	70	5	3	A	
35																									
								35.66	38.71	3.05	105		2.78	91	2.42	79	13	FR	W	4	40	1	2	A	
								38.71	41.76	3.05	105		2.86	94	2.53	83	13	FR	W	4	55	1	2	Fe	
40																									
			41.52	44.20	2.68	C107070	14	83	5	41.76	44.81	3.05	115		3.05	100	3.00	98	14	FR	W	3	55	1	2	A	
45			44.20	47.20	3.00	C107071	28	89	5	44.81	47.85	3.04	115		3.00	99	2.04	67	11	FR	W	7	40	2	2	Fe	
			47.20	48.20	1.00	C107072	90	122	15	47.85	50.90	3.05	115		2.78	91	2.40	79	13	FR	W	4	50	1	3	A	
			48.20	50.07	1.87	C107073	17	25	9																
50										50.90	53.95	3.05	105		3.05	100	2.95	97	13	FR	W	3	40	1	4	Fe	
			50.07	53.07	3.00	C107074	7	16	2																
										53.95	57.00	3.05	100		2.85	93	2.30	75	11	FR	W	3	45	1	4	Fe	
55																									
								57.00	60.05	3.05	100		2.50	82	2.09	69	12	FR	W	3	45	2	4	Fe	
60																									
								60.05	63.09	3.04	100		2.64	87	2.24	74	12	FR	W	4	40	5	3	Qz	
								63.09	66.14	3.05	100		3.05	100	2.52	83	13	FR	MS	4	35	2	4	A	
65																									
								66.14	69.19	3.05	100		2.34	77	1.46	48	11	FR	W	10	40	2	2	Fe	
70																									
								69.19	72.24	3.05	100		2.69	88	2.15	70	12	FR	W	5	45	2	4	Fe	
								72.24	75.29	3.05	100		2.62	86	1.98	65	11	FR	MS	5	50	4	3	A	
75																									
								75.29	78.33	3.04	100		3.05	100	2.89	95	13	FR	W	3	40	1	3	Qz	
								78.33	81.38	3.05	95		2.62	86	1.82	60	12	FR	W	4	45	3	3	Fe	
80																									
								81.38	84.43	3.05	100		3.05	100	2.92	96	13	FR	MS	3	50	5	4	Fe	

Hole: L06-14 Section: Drilling dates: August 12 to 20, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
											dol	tw			
85								BX							
								BX							
								BX							
	BD	30						BD							
											chl	t			
90	FX	0									chl	tw			chl in cb FX's
								CR							qz+cb FX and MX fill
								CR							
								CR							
								CR							
95	VT	70						CR							qz+cb VT 1.2 cm
								CR			dol	w			
								CR			dol	w			large dol xtals
								BX							sharp contact
			98.05	99.26	1.21	BX	PKTN				alb	s	ble	s	qz+cb BX, dol xtals
100			99.26	105.00	5.74	SLT	GY	CR							GY SLT w/ CR to BX bt
															cb main MX min
								BX							spec hem along FX & VTs
	FX	10						MA							
105															
			105.00	117.50	12.50	BX	GY				dol	w			SLT BX w/ dol xtals
															cb+qz MX
110								SU							start of sugary texture
	VT	70													cb+qz VTs 2/m
									BD						112 to 112.50 BD
115								SU							114 to 116 MA to BD w/ SU
															CN over ~ 20 cm
			117.50	128.80	11.30	BX	GY	SU			car	ms	chl	t	BX, rounded clasts < 5 mm
															hetrolithic
120															
															car alt'n throughout
															clasts replaced at bound.
															chl in M
	VT	75													cb FX and VTs <3 mm, 4/m
125															
			128.80	162.23	33.43	SLT	GY	CR	SU		car	ms	chl	w	CR to BX w/ dol xtals
130															sugary texture
	VT	45						BX							chl+hem along qz+cb VT
135															red earthy hem FX fill
140								MA	CR						losses SU bt
								MA	CR						MA bt w/ cb CR
								BX			car	f			cb BX w/ dol xtals 2-4 mm
145															
															strong spec hem in MX
															cb+qz MX
150															
155															
160															
			162.28	163.68	1.40	BX	TNGN				ser	s	alb	s	bleached, chl near contact
165			163.68			EOH									clasts w/ bedding

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
85														
90														
95														
100				tw										
				tw										
				tw										
				f										
105														
									SLT		15	car	qtz	
110														
				t										
				t										
115				t										
									SLT	QTZ	55	car	sed	hem
120														
				t										
				t										
				t										
				t										
125				t										
				t										
				t										
				t										
130														
				tw										
				t										
				t										
135				tw										
				t										
140														
145														
				f										
150														
155														
160														
165														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
85								84.43	87.48	3.05	105	
								87.48	90.53	3.05	105	
90												
								90.53	93.57	3.04	105	
								93.57	96.62	3.05	105	
95												
								96.62	99.67	3.05	105	
100								99.67	102.72	3.05	105	
								102.72	105.77	3.05	105	
105												
								105.77	108.81	3.04	105	
110								108.81	111.86	3.05	105	
								111.86	114.91	3.05	100	
115												
								114.91	117.96	3.05	100	
								117.96	121.01	3.05	100	
120												
								121.01	124.05	3.04	100	
125								124.05	127.10	3.05	105	
								127.10	130.15	3.05	100	
130												
								130.15	133.20	3.05	100	
135								133.20	136.25	3.05	100	
								136.25	139.29	3.04	105	
140												
								139.29	142.34	3.05	100	
								142.34	145.39	3.05	100	
145												
								145.39	148.44	3.05	100	
150								148.44	151.49	3.05	100	
								151.49	154.53	3.04	105	
155												
								154.53	157.58	3.05	100	
								157.58	160.63	3.05	100	
160												
								160.63	163.68	3.05	105	
165												

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
85	3.04	100	3.04	100	13	FR	MS	3	50	2	3	A	
	3.05	100	3.05	100	13	FR	MS	3	45	4	2	A	
90													
	2.62	86	1.96	64	11	FR	W	5	30	4	2	A	
	2.95	97	2.33	76	13	FR	MS	4	50	4	2	Qz	
95													
	2.96	97	2.47	81	13	FR	MS	3	40	2	4	Qz	
	3.05	100	2.97	97	12	FR	MS	4	50	4	2	A	
	2.85	97	2.84	93	12	FR	MS	4	45	1	4	A	
105													
	3.05	100	3.00	99	13	FR	MS	2	40	2	4	A	
110	2.93	96	2.90	95	14	FR	MS	2	50	1	3	Fe	
	3.02	99	3.02	99	14	FR	MS	1	40	1	3	A	
115													
	3.01	99	2.88	94	14	FR	MS	1	40	5	3	A	
	2.89	98	2.91	95	15	FR	MS	0	25	4	2	A	
120													
	3.01	99	2.71	89	13	FR	MS	2	50	1	3	Qz	
125	2.94	96	2.58	85	13	FR	MS	2	35	2	1	Qz	
	3.05	100	2.80	92	13	FR	MS	2	60	1	4	Qz	
130													
	3.02	99	2.94	96	14	FR	MS	2	45	2	3	A	
135	2.53	83	1.93	63	10	FR	MS	9	45	5	3	Fe	
	2.90	95	2.63	93	13	FR	MS	2	40	4	3	A	
140													
	2.95	97	2.69	88	13	FR	MS	3	40	2	4	A	
	2.73	90	2.56	84	12	FR	MS	4	60	1	3	A	
145													
	2.74	90	2.60	85	13	FR	MS	3	55	1	3	Qz	
150	2.88	94	2.48	81	13	FR	MS	4	45	3	4	A	
	3.05	100	2.68	88	13	FR	MS	4	45	1	3	A	
155													
	2.89	95	2.84	93	14	FR	MS	3	50	3	5	A	
	2.94	96	2.52	83	13	FR	MS	3	50	1	4	Qz	
160													
	2.84	93	2.17	71	11	FR	W	5	50	2	2	Cb	
165													

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 8, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-15**	PAD:	**3**

EASTING:	579905	NORTHING:	7203552	ELEVATION:	1700 m
AZIMUTH:	120°	DIP:	-50°	DEPTH:	140.82 m

START:	August 5, 2006	day	END:	August 7, 2006	day

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER: 5

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 140.00 m

TARGET DESCRIPTION:

Large fault and radioactive outcrop. Stratigraphic information at depth

DRILL CORE EVALUATION:

Brecciated siltstone to 140.82 m, background radioactivity.

41.49 to 69.60 m weakly to moderately silicified, dolomitized and unaltered siltstone breccia moderately chlorite alteration throughout

chlorite+quartz+pyrite veinlets, 53.66 and 53.95 m, 7 and 9 mm, 850 and 250 cps

89.65-98.20 pink-tan carbonate hematite altered silstone breccia

310 ppm U (0.037 %U_3O_8) over 0.47 m (53.59 to 54.06 m)

ADDITIONAL COMMENTS:

Hole collared through target fault, L06-16 steepened to intersect.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
579905	7203552	1700	140.51

Casing: depth: 50 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	120	-50	compas

Comments:

Contractor: Superior

Hole: L06-15

Section:

Drilling dates: August 5 to 7, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	14.79	14.79	OVB									rubble														
															mixed fragments of silica rich fragments, breccia, and siltstone													
5															some hematite altered														
10																													
15			14.79	17.45	2.66	SLT	GY	BN							DKGY to GY graphitic SLT														
	BD	50													brecciated towards LC														
															qz+cb VT ~0°		t												
	FLT	45	17.45	28.96	11.51	SLT	LTGY	BN			ble	m	car	w	CN 2 cm FLT w/ 90% Py	m													
	BD	60													lim altn around edges														
20															increasing ble w/ depth														
															becoming white														
	SH	30						SH							21.34-21.50 GY BX w/ SH														
	FX	30													Cp FX fill		t												
25															23.00 190 cps														
											ble	s																	
											ble	l																	
	BD	50	28.96	32.34	3.38	SLT	GNGY	BX	BN		chl	w	car	w	GNGY SLT BX, Pk clasts														
30															Cb VT's and MX fill														
			32.34	36.58	4.24	SLT	PK	BX			alb	s			altd SLT, BD weakly vis														
											alb	s			CR to BX bt														
35	VT	65									alb	s	chl	t	Cb MX w/ w chl altn														
											alb	s	chl	t	around FX														
			36.58	41.49	4.91	SLT	GYGN	BX			car	w			SLT BX, strongly altd			t											
													chl	t	diss mag			w											
40	BD	50									qtz	m			qz+cb VT @ 0° w/ S py	w	t	t											
			41.49	48.06	6.57	SLT	GYPU	MA			dol	m			dol altd SLT														
	VT	75													dol xtals ~ 1 to 10 mm		t												
	BD	10													Cb VT's ~ 1 cm	t	t												
45	BD	50													wavy bedding														
													qtz	w	silicified interval ~ 30 cm			t											
	VT	50													Ch+Cb VT ~2 cm			t											
															some smaller VTs			t											
			48.06	55.82	7.76	SLT	PKPU	BX			car	m	alb	s	alb altd cb BX														
50													chl	s	as before w/ dol xtals	w													
															chl altn along FXs	t													
															dis py	t													
															53.66 & 53.95 Ch+Qz+Py	t				Pb	t							
															VTs w/ Pb, 7 & 9 mm														
55													chl	s	850 & 250 cps														
			55.82	69.60	13.78	SLT	DKGY				dol	s	chl	t	dol altd SLT														
													chl	t															
60	VT	10											chl	t	Qz+Cb VT ~ 3 cm w/ Ch														
													chl	t															
															grad colour change														
							PK				dol	s	alb	s	large rhombihedral xtals														
65															~1 cm, zoned, grey core														
															grad colour change														
70	BD	70	69.60	70.80	1.20	SLT	GY						dol	w	CN parallel to BD														
			70.80	70.90	0.10	FLT	GY								heated pebbles, vugs														
			70.90	71.95	1.05	SLT	GY								slightly broken, grad CN														
			71.95	77.30	5.35	BX	PK				qtz	w	alb	t				tw	t				SED	40	car	chl	qtz	
																								60	car	chl		
75							GYPU								clasts more PU colour			t											
			77.30	81.48	4.18	SLT	GY	CR			car	tw			chl FX fill	t													
								BX					dol	m	dol RX in clasts, Cb MX														
80								CR										t											
			81.48	82.75	1.27	SLT	PK	CR			dol	tw			PK BX as before, qz+cb MX														
			82.75	89.65	6.90	SLT	GYPU	CR			dol	w			- more of a crackle														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
								0.00	4.88	4.88			0.11	2	0.00	0	4	SW	W	25	30	5	3	A	
5								4.88	7.01	2.13			0.18	8	0.00	0	2	HW	VW	30	75	1	3	A	
								7.01	8.23	1.22			0.16	13	0.00	0	4	SW	W	30	45	5	2	Li	
								8.23	9.45	1.22			0.24	20	0.00	0	5	SW	W	30	45	1	4	Li	
10								9.45	10.97	1.52			0.41	27	0.30	20	9	SW	W	11	50	4	2	Fe	
								10.97	12.80	1.83			0.32	17	0.00	0	5	SW	W	16	40	5	4	Fe	
								12.80	14.02	1.22			0.34	28	0.12	10	9	SW	W	10	30	5	3	A	
15								14.02	15.54	1.52			0.79	52	0.49	32	10	SW	W	9	45	4	5	Li	
								15.54	16.76	1.22	100		0.91	75	0.73	60	10	SW	W	8	40	1	4	Li	
								16.76	18.27	1.51	105		1.51	100	0.77	51	12	FR	W	6	35	1	3	Li	
								18.27	19.81	1.54	100		1.31	85	1.20	78	11	FR	W	5	50	3	3	Li	
20								19.81	21.34	1.53	100		1.44	94	1.17	76	11	FR	W	7	45	2	2	Fe	
								21.34	22.86	1.52	100		1.52	100	1.21	80	13	FR	W	4	30	4	3	Fe	
			22.86	24.38	1.52	C107061	12	40	11	22.86	24.38	1.52	110		1.49	98	1.34	88	12	FR	W	4	45	3	4	Fe	
25																									
								24.38	26.82	2.44	100		2.34	96	1.93	79	10	FR	W	7	30	1	4	Li	
								26.82	28.96	2.14	100		2.11	99	2.11	99	13	FR	W	3	40	1	3	Fe	
								28.96	32.00	3.04	115		3.01	99	2.66	88	13	FR	W	4	70	1	3	Fe	
30																									
								32.00	34.75	2.75	100		2.73	99	2.29	83	13	FR	MS	6	40	1	2	A	
								34.75	37.80	3.05	105		2.51	82	1.63	53	12	SW	MS	4	40	1	3	Cb	
								37.80	38.70	0.90	100		0.64	71	0.52	58	10	SW	W	7	60	1	3	Li	
								38.70	41.15	2.45	100		2.16	88	2.09	85	12	FR	MS	4	55	1	3	Cb	
40																									
								41.15	42.98	1.83	100		1.47	80	0.98	54	11	FR	MS	7	40	1	3	Fe	
								42.98	45.72	2.74	100		2.59	95	1.65	60	13	FR	MS	5	40	2	2	A	
								45.72	48.16	2.44	100		2.06	84	0.95	39	10	FR	MS	9	60	2	3	Cb	
45																									
								48.16	51.21	3.05	105		2.88	94	1.73	57	10	FR	MS	9	65	1	2	Cb	
50																									
			51.59	53.59	2.00	C107062	4	69	4	51.21	53.34	2.13	100		2.09	98	0.78	37	11	FR	MS	7	55	2	3	Cb	
			53.59	54.06	0.47	C107063	310	130	5																
								53.34	56.39	3.05	105		2.81	95	2.21	72	11	FR	MS	6	40	2	3	Fe	
55																									
			54.06	55.82	55.82	C107064	15	74	1																
						C107065	4	<1	<1	56.39	59.44	3.05	100		3.00	98	2.81	92	12	FR	MS	4	40	1	4	Cb	
						"Blank"																			
								59.44	61.87	2.43	100		2.16	89	1.16	48	12	FR	MS	7	40	1	2	Cb	
60								61.87	64.01	2.14	100		2.14	100	1.94	91	12	FR	MS	4	35	1	2	Fe	
								64.01	67.06	3.05	100		2.85	93	2.24	73	11	FR	MS	6	45	1	5	Cb	
65																									
								67.06	70.10	3.04	100		2.80	92	2.29	75	12	FR	MS	7	45	3	2	Cb	
								70.10	72.24	2.14	100		1.74	81	1.06	50	10	FR	MS	9	60	5	3	A	
								72.24	74.68	2.44	100		2.31	95	1.57	64	11	FR	MS	8	45	3	3	Cb	
70																									
								74.68	77.72	3.04	100		2.87	94	2.32	76	12	FR	MS	6	45	1	4	Cb	
								77.72	80.77	3.05	100		2.92	96	2.51	82	12	FR	W	4	45	3	2	Cb	
75																									
								80.77	83.82	3.05	100		2.86	94	2.14	70	12	FR	MS	6	55	1	4	A	

Hole: L06-15 Section: Drilling dates: August 5 to 7, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
															- dark BX unit as before
85															Cb MX +/- qz w/ Cl
90			89.65	98.20	8.55	SLT	PKTN	BX					hem	w	hem+dol BX to CR
	FQ	50					GY						hem	w	GY "smeared" band
							PKRD						hem	m	-S altd SLT
											dol	w	hem	m	Cl in FX
95															dol xtals w/ grey core
			98.20	103.21	5.01	SLT	GY	C R							grey SLT w/ Cb mx + altn
100															
								BX							spec hem in FX w/ Cl
											dol	m			
			103.21	104.11	0.90	BX	PK								alb altd clasts, Cb MX
105			104.11	113.90	9.79	SLT	GY	BX			car	w			MA, BN, CR to BX in places
								CR							Cb FX fill and MX
								CR							
								BX							
								BX							
110															
											ble	tw			
			113.90	123.30	9.40	SLT	LTGY	CR			ble	w			LTGY to LTPK altd SLT
115											ble	m			CR bt w/ spec he MX <1%
											ble	m			
											ble	m			
											ble	m			minor QV
											ble	m			
120											ble	m			
											ble	m			
											ble	w			grad CN
			123.30	140.51	17.21	SLT	LTGY	CR			ble	t	car	t	
125															some PK bands
							GY								
130															
															QV @ 0° 131.00
							GY								Cb to 135.00
															Cb MX in more BXd
135															
140															
			140.51			EOH									

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
t		tw					
t		t					

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 8, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-16**	PAD:	**3**

EASTING:	579905	NORTHING:	7203552	ELEVATION:	1700 m
AZIMUTH:	120°	DIP:	-70°	DEPTH:	167.64 m

START:	August 7, 2006	morning	END:	August 10, 2006	evening

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER: 4

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 130.00 m

TARGET DESCRIPTION:

Large fault collared through in L06-15. Stratigraphic information at depth

DRILL CORE EVALUATION:

Brecciated siltstone to 133.90 m, background radioactivity.
Fault from 10.87 to 10.95 m
91.90 to 106.56 m, dolomitized and unaltered siltstone breccia
moderately chlorite alteration throughout
44.00 m, 200 cps along narrow fractures with chlorite
fair specular hematite from 120.00 m to end of hole
Olive green intensely altered siltstone breccia between 133.90 and 143.28 m, background radioactivity
becoming grey in colour at 143.28 m
Brecciated siltstone between 143.28 and 167.64 m m, background radioactivity.

ADDITIONAL COMMENTS:

LUMINA PROPERTY

YUKON URANIUM PROJECT
DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
579905	7203552	1700	167.64

Casing: depth: 30 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2126

SURVEY	Depth	Azi.	Dip	Method
	Collar	120	-70	compas

Comments:
Contractor: Superior

Hole: L06-16

Section:

Drilling dates: August 7 to 10, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
			0.00	8.92	8.92	OVB																														0.00	7.01	7.01																	
5																																																											
			8.92	10.87	1.95	SLT	GY	MA							graphitic SLT																					7.01	8.23	1.22																			
10															broken to 10.75																					8.23	9.14	0.91	100		0.27	30	0.27	30	8	FR	W	18	45	5	2		
			10.87	10.95	0.08	FLT	GY		GO																											9.14	10.67	1.53	105		1.16	76	0.49	32	7	HW	VW	9	45	3	2	Fe	
	BD	50	10.95	16.50	5.55	SLT	GY	BD							11.40-11.90 BD, light colour					t																10.67	12.19	1.52	100		1.42	93	1.01	66	9	HW	W	7	30	5	5	Fe	
								MA							faint qz+qb VT's																					12.19	12.65	0.46	100		0.41	89	0.23	50	8	FR	W	8	50	1	2	Fe	
15	VT	40							GO		car	t			py+ll in 50° FX/VT																					12.65	13.71	1.06	105		1.01	95	0.90	85	10	FR	W	6	45	4	3	Cb	
	BD	40						BD							14.80 - GO, 14.90 - Cb VT																					13.71	15.09	1.38	105		1.31	95	0.61	44	9	FR	W	7	45	3	3	Cb	
	BD	40	16.50	42.51	26.01	SLT	LTGY	BD	CR		car	t	ble	t	Cb VTs parallel to BD CR LTGY, weakly ble SLT t to w cb VT's																					15.09	16.76	1.67	105		1.56	93	1.09	65	9	FR	W	6	45	3	2	Cb	
																																			16.76	18.14	1.38	105		1.29	93	1.29	93	13	FR	W	3	30	2	2	Fe	
20																																			18.14	19.81	1.67	100		1.53	92	1.19	71	12	FR	W	5	45	2	2	Fe	
																																			19.81	21.34	1.53	105		1.48	97	1.29	84	11	FR	W	7	70	2	2	Fe	
																																			21.34	22.56	1.22	105		1.29	106	1.16	95	13	FR	W	3	70	2	2	Fe	
																																			22.56	24.08	1.52	105		1.22	80	0.78	51	10	FR	W	5	30	3	2	Fe	
25																																			24.08	26.37	2.29	105		2.52	110	1.74	76	10	FR	W	7	30	3	2	Fe	
																																			26.37	28.35	1.98	105		1.80	91	1.50	76	10	FR	W	5	70	3	3	Fe	
30																																			28.35	30.48	2.13	105		1.86	87	1.45	68	10	FR	W	5	30	3	2	Fe	
	BD	35																																	30.48	32.77	2.29	100		2.09	91	1.85	81	13	FR	W	4	30	4	2	Fe	
													ble	m	increased bleaching																					32.77	35.05	2.28	105		2.31	101	2.16	95	14	FR	W	4	70	2	3		
35																																																								
																																			35.05	37.80	2.75	100		2.56	93	1.94	71	9	FR	W	7	55	3	2		
																																			37.80	40.84	3.04	100		3.01	99	2.87	94	13	FR	W	5	65	4	2	Fe	
40																																																						
													ble	s	increased bleaching																					40.84	43.59	2.75	100		2.86	104	2.49	91	13	FR	W	5	45	3	3	Fe	
													ble	s																																								
	CN	30	42.51	53.95	11.44	BX	GYPK	BX	SU		car	m			BX SLT, alb altd clasts																																									
											car	ms			cb MX	ms				Mc	t										43.48	45.72	2.24	C107066	37	192	154	43.59	45.72	2.13	125		1.63	77	1.53	72	13	FR	W	5	55	4	2	Fe	
45										RA					py diss throughout	ms																																						
															chl along FX's, 200 cps local	ms																					45.72	48.46	2.74	100		2.45	89	1.96	72	11	FR	W	5	50	2	2	Fe	
															spec hem in place of py	f		tw																																				
															- earthy and diss	f		tw																																				
50																m		f																																				
																m		m																																				
																f																																							
																																			48.46	51.51	3.05	100		2.86	94	2.67	88	12	FR	W	6	60	3	2	Fe	
			53.95	56.74	2.79	SLT	DKGY		BD																											51.51	52.73	1.22	100		1.68	138	1.28	105	10	FR	W	8	55	2	2	Cb	
																																			52.73	55.93	3.20	100		2.97	93	1.49	47	10	SW	W	8	45	2	2	Cb	
55	BD	50									dol	w																																										
											dol	w			chl+cb VT's and FX fill																					55.93	58.98	3.05	100		2.47	81	0.96	31	4	MW	W	13	50	3	3	Cb	
			56.74	60.55	3.81	BX	GYPU																																																
60															chl+cb FX fill																					58.98	60.50	1.52	100		1.57	103	0.00	0	6	MW	W	13	50	3	2	Fe	
			60.55	62.18	1.63	BX	GN				car	s	chl	s	chl+cb MX supp BX	t	t	tw	t					60	chl	car	py									60.50	61.11	0.61	105		0.71	116	0.00	0	4	MW	VW	17		5	3	Fe	
															mag+qz+/-cp FX fill	tw	t	tw	t																	61.11	62.18	1.07	110		1.04	97	0.61	57	4	MW	VW	18		5	3	Fe	
	BD	45	62.18	68.75	6.57	SLT	PKGY	BX	BD		alb	m	qtz	f		tw																				62.18	64.01	1.83	115		1.70	93	1.70	93	13	FR	W	3	50	2	2	Fe	
										RA	alb	m	qtz	f	63.90 200 cps	w	t													63.45	64.40	0.95	C107067	60	285	32																		
65	VT	80							VU		alb	m	qtz	f	along 1 cm chl+qz+py VT	t	t													64.40	67.40	3.00	C107068	11	231	2	64.01	67.07	3.06	105		2.67	87	1.93	63	10	FR	W	7	70	2	2	Fe	
											alb	m	qtz	f	m-s alb altn, xtals	f		t																																					
											alb	m	qtz	f	v. hard, vug w/ qz xtals	f		t																																				
								SU			alb	f	qtz	f		f		t																		67.07	70.10	3.03	100		2.19	72	0.77	25	9	FR	W	9	30	2	2	A	
	FO	65								RA					170 cps, local, w/ FO	f		t												67.40	66.85	1.45	C107069	27	278	7																		
70			66.75	67.54	18.79	BX	PUGY				alb	tw	car	m	incr. in BX	f		t																																					
															decreased sulphides/hem	t																					70.10	73.76	3.66	100		2.53	69	1.76	48	8	FR	MS	11	20	3	3	Fe	
															cb FX fill	t																																						
																w																																						
																tw																					73.76	75.90	2.14	130		1.95	91	1.86	87	13	FR	MS	4		5	3	A	
75																tw																																						
																tw																					75.90	78.94	3.04	100		2.47	81	2.40	79	13	FR	MS	5	40	2	3	Fe	
																w																																						
	FO	40													170 cps along FO, v local	f																																								
							GYPK																														78.94	81.99	3.05	100		3.04	100	1.60	52	8	FR	W	10	50	4	4	Cb	
80																																																						
								CR			alb	f	car	m	BX becomes more solid																																									
									SU						sugar like texture to clasts																					81.99	85.04	3.05	100		2.97	97	2.93	96	14	FR	MS	3	50	5	5	A	
															cb MX/FX																																								

Hole: L06-16 Section: Drilling dates: August 7 to 10, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
95							GY	SU			chl	t			granulated band, GY to WH														
							PKGY																						
			87.54	91.90	4.36	SLT	GY	SU							Unit similar to band above														
90																													
	FO	50													gradational contact														
			91.90	106.56	14.66	BX	GY				dol	t			BX SLT, w/ PK bands														
											dol	tw																	
											dol	tw																	
95							GYPU	CR			dol	tw			cb MX/FX fill	t													
											dol	f																	
											dol	f			dol xtals														
100								BX							incr MX/BX														
															large dol xtals														
										VU					101.5-102.0 vuggy														
105																													
							PK								abrubt contact/fractured														
			106.56	115.68	9.12	SLT	GY	CR							GY to PUGY MA to CR	t		t											
															SLT w/ diss py	t		t											
															spec hem FX fill	t		t											
110																t		t											
																t		t											
																t		t											
																t		t											
115																t		t											
			115.68	117.68	2.00	SLT	PK	CR			ble	tw	dol	tw	bleached SLT, PK to TN	t		t											
															large dol xtals (8 mm)			tw											
			117.68	133.90	16.22	BX	PUGY								alb altd clasts, cb MX			tw											
															clast sup, mixed up			tw											
120															some clasts w/ BD														
							GY											m											
							GYPK											m											
																		m											
																		m											
125	VT	35													qz VT w/ cp ~7 mm		t	m											
																		m											
																		m											
																		m											
130																		m											
																		m											
							GY				ble	tw						m											
			133.90	143.28	9.38	BX	TNGN				ser	t	chl	t	gradational contact to 134.11			tw					SLT		SED	HEM		
135	VT	45					OL				ser	tw	chl	tw	crackle BX bt			tw											
															alb altd clasts w/ relic BD			f											
																		f											
							OLGY											m											
140							GYOL											m											
																		m											
							OL									t	t	f											
																		w											
			143.28	167.64	24.36	BX	DKGY								similr to above but GY			tw					SLT		10	SED	HEM	
145															no GN colour			tw											
															alb altd clasts <10%			tw											
																		tw											
	VT	70													cb/qz VT's 2/m ~ 7 mm			tw											
							GYPU								continue to EOH			tw											
150																		tw											
															clast sup, often CR bt			tw											
																		tw											
																		tw											
							BY											tw											
155																	t	tw											
																		tw											
																		tw											
																		tw											
160																		tw											
															qz/cb VT's continue			tw											
																		tw											
																		tw											
165																		tw											
																		tw											
											ser	m	chl	s	166.45-166.92 s BX, GNPK														
			167.64			EOH																								
170																													

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
							85.04	88.09	3.05	100		2.78	91	1.84	60	11	FR	MS	6	45	4	3	Cb	
							88.09	90.98	2.89	100		2.86	99	2.32	80	11	FR	MS	6	60	2	2	Cb	
							90.98	94.03	3.05	100		3.13	103	3.06	100	14	FR	MS	3	65	2	2	Cb	
							94.03	97.08	3.05	100		3.12	102	3.04	100	14	FR	MS	4	60	5	3	Cb	
							97.08	100.28	3.20	100		2.89	90	2.89	90	14	FR	MS	3	70	2	2	Cb	
							100.28	103.33	3.05	105		2.95	97	2.47	81	10	FR	MS	6	50	2	2	Cb	
							103.33	105.13	1.80	105		1.71	95	1.71	95	14	FR	MS	3	50	3	2	Cb	
							105.13	107.14	2.01	120		1.99	99	1.93	96	14	FR	MS	3	50	2	2	Cb	
							107.14	109.20	1.06	115		0.99	93	0.52	49	9	FR	W	7	50	2	3	A	
							108.20	109.73	1.53	100		1.45	95	1.19	78	13	FR	W	4	40	2	2	A	
							109.73	111.25	1.52	100		1.48	97	1.40	92	14	FR	W	3	65	1	2	A	
							111.25	112.78	1.53	105		1.54	101	1.40	92	12	FR	W	5	40	2	2	A	
							112.78	114.30	1.52	100		1.49	98	1.42	93	14	FR	W	4	70	3	2	He	
							114.30	115.82	1.52	100		1.52	100	1.52	100	14	FR	W	3	50	2	2	A	
							115.82	117.35	1.53	100		1.40	92	1.37	90	14	FR	W	4	60	2	2	A	
							117.35	118.87	1.52	100		1.48	97	1.33	87	13	FR	W	5	60	2	2	A	
							118.87	120.40	1.53	100		1.59	104	1.50	98	15	FR	W	0					
							120.40	121.92	1.52	100		1.53	101	1.45	95	14	FR	W	4	75	3	2	Cb	
							121.92	123.44	1.52	100		1.42	93	1.32	87	14	FR	W	4	35	2	2	A	
							123.44	124.97	1.53	100		1.52	99	1.39	91	13	FR	W	4	30	2	2	A	
							124.97	126.49	1.52	100		1.42	93	1.42	93	14	FR	W	2	25	2	2	A	
							126.49	128.02	1.53	100		1.51	99	1.31	86	12	FR	W	5		5	2	A	
							128.02	129.54	1.52	100		1.55	102	1.55	102	14	FR	W	3	80	2	2	A	
							129.54	131.06	1.52	100		1.46	96	1.39	91	14	FR	W	3	50	3	2	A	
							131.06	132.57	1.51	100		1.53	101	1.48	98	14	FR	W	3	25	3	2	A	
							132.57	134.11	1.54	100		1.39	90	1.39	90	15	FR	W	1	80	2	2	A	
							134.11	135.64	1.53	105		1.54	101	1.47	96	14	FR	W	3	85	4	3	A	
							135.64	137.16	1.52	105		1.52	100	1.49	98	13	FR	W	4	35	2	2	A	
							137.16	138.68	1.52	100		1.39	91	1.36	89	14	FR	W	2	20	2	2	A	
							138.68	140.21	1.53	100		1.56	102	1.26	82	12	FR	W	6	15	2	2	A	
							140.21	141.73	1.52	100		1.36	89	1.02	67	12	FR	W	5	20	2	2	A	
							141.73	143.26	1.53	100		1.57	103	1.54	101	13	FR	W	4	80	2	2	A	
							143.26	144.78	1.52	100		1.51	99	1.28	84	12	FR	W	5	30	2	2	Fe	
							144.78	146.30	1.52	100		1.45	95	1.45	95	14	FR	W	3	35	2	2	Cb	
							146.30	147.83	1.53	100		1.49	97	1.28	84	13	FR	W	5	60	2	2	A	
							147.83	149.35	1.52	100		1.53	101	1.32	87	10	FR	W	7	50	3	2	A	
							149.35	150.88	1.53	100		1.51	99	1.43	93	13	FR	W	4	20	1	2	A	
							150.88	152.40	1.52	100		1.43	94	1.10	72	10	FR	W	6	85	2	2	A	
							152.40	153.92	1.52	100		1.53	101	1.45	95	12	FR	W	5	70	2	2	A	
							153.92	155.45	1.53	100		1.50	98	1.19	78	12	FR	W	5	35	3	3	A	
							155.45	156.92	1.47	100		1.51	103	1.51	103	13	FR	W	4	70	2	2	Cb	
							156.92	158.50	1.58	100		1.49	94	1.49	94	12	FR	W	5	35	2	2	Cb	
							158.50	160.02	1.52	100		1.47	97	1.34	88	13	FR	W	4	30	2	2	A	
							160.02	161.54	1.52	100		1.53	101	1.34	88	12	FR	W	5	70	2	2	A	
							161.54	163.07	1.53	100		1.51	99	1.51	99	13	FR	W	3		2	2	A	
							163.07	164.59	1.52	100		1.48	97	1.26	83	13	FR	W	4		4	2	Fe	
							164.59	166.12	1.53	100		1.48	97	1.30	85	12	FR	W	4		3	3	Fe	
							166.12	167.64	1.52	100		1.51	99	1.10	72	10	FR	W	7	20	3	2	Cb	

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**L06-17**	PAD:	**4**

EASTING:	579911	NORTHING:	7204195	ELEVATION:	2078 m
AZIMUTH:	110°	DIP:	-62°	DEPTH:	210.05 m

START:	August 11, 2006	day	END:	August 18, 2006	day

DRILL DOWN TIME: 14 hours

REASONS: Ignition problems on one engine (6 hours)
Water and ice (8 hours)

SAMPLES:

TOTAL NUMBER:	0
DATE SENT TO LAB:	-
DATE RESULTS EXPECTED:	-

TARGET DEPTH: 180.00 m

TARGET DESCRIPTION:
Major north trending fault, possible feeder zone. Expected intercept at 160.00 m
Fault targeted at intersection with upper contact of olive green breccia seen in L06-01 to L06-10.

DRILL CORE EVALUATION:
Black unaltered Quartet Group pyritic shale to 135.70 m, background radioactivity
Rubbly fault zone with mixed shale, siltstone and quartz fragments between 135.70 and 139.40 m
background radioactivity
Siltstone breccia, quartz-carbonate veins and matrix 139.40 and 210.05 m, background radioactivity
bands of pyrite
moderately silicified siltstone clasts in quartz-carbonate matrix
larger quartz-carbonate veins often with coliform texture

ADDITIONAL COMMENTS:
Major fault hit at 137 m, hole continued beyond target depth to find lower contact of silicified unit.
Ice begins at 300', rubbly to 450'
Hole caved while drilling, rods stuck and lost.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

Comments: Hole caved, rods lost
Contractor: Superior

East	North	Elev.	Depth
579911	7204195	2078	210.05

Casing: depth: 30 ft out
Core Size: btw
Logger: M. R. Dumala
Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	110	-62	compas

Hole: L06-17
Section:
Drilling dates: August 11 to 18, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	7.50	7.50	OVB									broken/rubbly shale same unit as below														
5																													
			7.50	135.70	128.20	SHL	BK	BN			lim	f			dark grey to black, graphitic unaltered Quartet shale														
10															pits where py weathered "poker chip" texture														
															py bands parallel to BD														
										GO					12.15 5 cm GO zone														
15															14.25 to 15.25 QZ VT's every 10 cm w/ limonite														
20																													
25										GO					2 cm GO zone ~ 24.00														
	BD	85																											
	VT	30													26.25 3 cm QZ VT, lim altd w/ qz tals														
	BD	85													28.50 1 cm rotten py band parallel to BD	f													
30																													
															QZ VT's sub parallel to C.A. lim altd, ~ 2 cm														
									SS						SS on joints														
35															0.5 cm rotten py band parallel to bedding	tw													
40																													
	VT	60													43.60 3 cm py BD rotten x-cuts bedding	f													
	BD	85																											
45																													
50																													
55											car	t			55.15 10 cm cb BXn Cb MX <5%									SHL		5	car		
															1 cm rotten py BD 57.00	f													
															58.00 1 cm rotten py BD's 2/m	f													
60																													
															62.60 becomes muddy and intensly broken to 63.21 few large pieces														
65																													
	BD	85																											
70																													
75																													
80																													

ASSAYS From (m)	To (m)	Interval (m)	Sample	Li (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
						0.00	1.52	1.52															
						1.52	3.05	1.53															
						3.05	4.57	1.52															
						4.57	6.10	1.53															
						6.10	7.62	1.52	100		0.73	48	0.00	0	3	MW	W	18	80	1	4	Fe
						7.62	9.14	1.52	100		0.91	60	0.00	0	5	SW	W	15	75	1	4	Fe
						9.14	10.67	1.53	100		1.11	73	0.00	0	5	SW	VW	15	60	1	2	LI
						10.67	12.19	1.52	100		1.02	67	0.00	0	6	SW	W	16	80	1	2	Fe
						12.19	13.72	1.53	100		1.19	78	0.00	0	5	SW	W	13	70	1	3	Fe
						13.72	15.24	1.52	100		1.26	83	0.19	13	6	SW	W	13	70	1	3	A
						15.24	16.76	1.52	100		0.86	57	0.12	8	7	MW	VW	12	80	1	3	LI
						16.76	18.29	1.53	100		1.04	68	0.00	0	5	SW	W	14	50	1	4	Fe
						18.29	19.81	1.52	100		1.12	74	0.37	24	8	SW	W	10	45	2	3	Fe
						19.81	21.34	1.53	100		0.87	57	0.10	7	7	SW	W	12	70	1	4	Bk
						21.34	22.86	1.52	100		1.34	88	0.58	38	9	SW	VW	9	70	1	3	Bk
						22.86	24.38	1.52	100		1.12	74	0.00	0	7	SW	VW	13	55	1	3	A
						24.38	25.91	1.53	100		0.97	63	0.13	8	7	FR	W	14	55	1	3	A
						25.91	27.43	1.52	100		1.19	78	0.56	37	8	FR	W	13	55	1	3	Fe
						27.43	28.96	1.53	100		1.26	82	0.27	18	9	FR	W	12	55	1	3	Fe
						28.96	30.48	1.52	100		1.28	84	0.47	31	9	FR	W	11	75	1	4	A
						30.48	32.00	1.52	100		1.02	67	0.12	8	8	FR	W	12	65	1	3	A
						32.00	33.53	1.53	100		1.17	76	0.11	7	9	FR	W	14	55	1	4	A
						33.53	35.05	1.52	100		1.07	70	0.00	0	9	FR	W	13	70	1	3	A
						35.05	36.58	1.53	100		1.49	97	0.98	64	10	FR	VW	12	50	1	2	Fe
						36.58	38.10	1.52	100		1.44	95	0.44	29	9	FR	VW	13	50	1	3	Fe
						38.10	39.62	1.52	100		1.00	66	0.13	9	6	FR	W	15	70	1	4	Bk
						39.62	41.15	1.53	100		0.97	63	0.49	32	9	SW	W	11	65	1	3	Fe
						41.15	42.67	1.52	100		0.97	64	0.14	9	7	FR	W	14	70	1	3	Fe
						42.67	44.20	1.53	100		1.20	78	0.25	16	9	FR	W	15	80	1	3	A
						44.20	45.72	1.52	100		1.34	88	0.56	37	10	FR	W	9	80	1	3	LI
						45.72	47.24	1.52	100		1.41	93	0.44	29	9	FR	W	11	75	1	2	A
						47.24	48.77	1.53	100		1.36	89	0.58	38	9	FR	W	10	80	1	3	Fe
						48.77	50.29	1.52	100		1.09	72	0.26	17	9	FR	W	11	75	1	3	Fe
						50.29	50.90	0.61	100		0.45	74	0.00	0	5	FR	W	13	70	1	2	Fe
						50.90	51.21	0.31	100		0.20	65	0.00	0	5	FR	W	15	60	1	3	Fe
						51.21	51.81	0.60	100		0.35	58	0.00	0	5	FR	W	12	50	4	2	Fe
						51.81	53.34	1.53	100		1.30	85	0.16	10	8	FR	W	12	60	1	3	Fe
						53.34	53.94	0.60	100		0.41	68	0.00	0	7	FR	W	13	65	1	3	Fe
						53.94	54.86	0.92	100		0.55	60	0.00	0	6	FR	W	15	70	1	2	A
						54.86	56.08	1.22	100		1.07	88	0.13	11	9	FR	W	12	70	1	2	A
						56.08	57.61	1.53	100		1.36	89	0.94	61	10	FR	W	8	65	1	1	Py
						57.61	59.13	1.52	100		1.36	89	0.85	56	10	FR	W	7	60	1	3	A
						59.13	59.44	0.31	90		0.31	100	0.00	0	7	FR	W	13	70	1	4	A
						59.44	60.96	1.52	100		0.32	21	1.02	67	12	FR	W	7	65	1	4	A
						60.96	62.48	1.52	100		1.44	95	1.12	74	12	FR	W	7	60	1	1	A
						62.48	63.76	1.28	100		0.92	72	0.00	0	3	SW	W		60	5	3	Br
						63.76	64.62	0.86	100		0.43	50	0.00	0	3	SW	W		65	5	3	Br
						64.62	65.53	0.91	100		0.59	65	0.00	0	4	SW	W			1	3	Py
						65.53	67.06	1.53			0.00	0	0.00	0									
						67.06	67.51	0.45	100		0.41	91	0.00	0	3	SW	W				3	Py
						67.51	67.82	0.31	100		0.15	48	0.00	0	4	SW	W				3	Br
						67.82	68.12	0.30	100		0.19	63	0.00	0	3	SW	W				3	Br
						68.12	69.49	1.37	100		1.21	88	0.00	0	3	SW	W				3	Br
						69.49	71.63	2.14	100		1.09	51	0.00	0	3	SW	W				3	Br
						71.63	73.15	1.52	100		0.28	18	0.00	0	3	SW	W				3	Br
						73.15	74.68	1.53	100		0.22	14	0.00	0	3	SW	W				3	Br
						74.68	76.20	1.52			0.00	0	0.00	0									
						76.20	77.72	1.52	100		1.34	88	0.00	0	4	SW	VW				3	Br
						77.72	79.25	1.53	100		1.25	82	0.00	0	4	SW	VW				3	Br
						79.25	80.77	1.52	100		0.94	62	0.00	0	4	SW	VW				3	Br
						80.77	81.69	0.92	100		0.55	60	0.00	0	4	SW	VW				3	Br
						81.69	83.21	1.52	100		1.27	84	0.00	0	3	SW	VW				3	Br

Hole: L06-17 Section: Drilling dates: August 11 to 18, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
85															83.21 "poker chips"													
90																													
	BD	85																											
95																													
100																													
105																													
															105.00 becomes muddy and rubbly													
															108.29 less mud more rubble													
110																													
115											car	t	lim	t	10 cm carb FX/BX fill													
	VT	30											lim	t	115.75 10 cm QZ VT, lim alt w/ py+cb	t												
120																													
125															124.75-125.00 GY SLT BN													
130															minor GY SLT bnads <5 cm													
	BD	80																											
															131.25 0.5 cm py BD	tw												
															small bleb along edge core	tw	t											
	FX	30													Cb FX's														
135															132.70-133.15 QZ VT	f													
			135.70	139.40	3.70	FLT					lim	f			135.00 5 cm py BD	f													
											lim	f			mostly py SHL	tw													
											lim	f			w/ blocks of GY SLT														
											lim	f			QZ VN														
140			139.40	169.50	30.10	SLT	GY	BX			qtz	ms			M-S silicified siltstone														
	VT	70									qtz	f			cb VT's, relic bedding														
	BD	60													BX SLT w/ S qtz+car altn bands of hem altn and MX														
						GY																							
145						RDGY					qtz	ms	hem	m	144.00-145.20 hem altd BN														
						GY					qtz	f																	
150						GY																							
	VT	50				RDGY					qtz	m	hem	m	red earthy hem FX and MX														
	VT	80																											
155																													
						RDGY																							
	VT	90				GY					car	m			qz+cb VT ~ 30 cm														
	VT	70				RDGY					car	ms	hem	s															
160	BD	60													qtz+cb VT(60°) x-cut BD														
											car	m	hem	ms															
											car	s																	
165																													
	VT	70													qz+cb VT's														
170			169.50	182.00	12.50	SLT	GY	CR			car	f	hem	tw	CR to BX GY SLT, w-f sil alt w/ 30 cm qz+cb VT's														
															every 1.5 m w/ 5-7 mm py bands ~ 1/m	w												
																tw													
175																tw													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
85							83.21	84.73	1.52	100		1.07	70	0.00	0	5	SW	W				3	Py	
							84.73	85.95	1.22	100		0.98	80	0.00	0	4	SW	VW				3	Py	
							85.95	86.87	0.92	100		0.69	75	0.00	0	3	SW	VW				3	Br	
							86.87	88.39	1.52	100		1.04	68	0.00	0	5	SW	W	70	1	3	A		
90							88.39	89.92	1.53	100		1.11	73	0.00	0	3	SW	W	20	60	1	2	A	
							89.92	91.44	1.52	100		0.50	33	0.00	0	5	SW	W	20	65	1	2	A	
							91.44	92.96	1.52	100		1.05	69	0.00	0	5	SW	W	18	65	1	2	Fe	
							92.96	94.49	1.53	100		1.00	65	0.00	0	5	SW	W	17	65	1	2	Py	
95							94.49	96.01	1.52	100		1.38	91	0.00	0	4	SW	VW	20	60	1	2	A	
							96.01	97.51	1.50	100		1.37	91	0.00	0	3	SW	VW	20	80	1	2	A	
							97.51	99.06	1.55	100		1.06	68	0.00	0	4	SW	VW	20	75	1	1	A	
100							99.06	100.58	1.52	100		0.87	57	0.00	0	4	SW	VW	20	70	1	3	Py	
							100.58	102.11	1.53	100		1.37	90	0.00	0	4	SW	VW	20	70	1	2	Br	
							102.11	103.63	1.52	100		1.26	83	0.00	0	4	SW	W	20	70	1	2	Br	
105							103.63	105.11	1.48	100		1.16	78	0.00	0	4	SW	W	20	70	1	2	Py	
							105.11	108.20	3.09	100		2.04	66	0.00	0	3	MW	VW		60	5	3	Py	
110							108.20	109.73	1.53	100		1.07	70	0.00	0	4	SW	W	20	60	1	2	Py	
							109.73	111.25	1.52	100		1.09	72	0.20	13	6	SW	W	20	55	1	2	Py	
							111.25	112.47	1.22	100		0.63	52	0.00	0	3	SW	VW	20			3	Br	
							112.47	114.00	1.53	100		1.09	71	0.00	0	4	SW	W		60	1	4	Br	
115							114.00	115.67	1.67	100		1.19	71	0.00	0	4	SW	W	23	60	1	3	Cb	
							115.67	117.20	1.53	100		0.92	60	0.00	0	5	SW	W	17	60	1	4	Br	
							117.20	118.87	1.67	100		1.20	72	0.00	0	5	SW	W	16	60	1	3	Br	
120							118.87	120.40	1.53	100		1.36	89	0.00	0	5	SW	W	18	70	1	3	Br	
							120.40	121.92	1.52	100		1.07	70	0.00	0	4	SW	W	20	60	1	3	Br	
							121.92	123.44	1.52	100		1.03	68	0.00	0	5	SW	VW	17	40	1	3	Br	
125							123.44	124.97	1.53	100		1.29	84	0.00	0	5	SW	W	20	70	1	3	Br	
							124.97	126.49	1.52	100		1.37	90	0.00	0	6	SW	W	15	60	1	3	Br	
							126.49	128.02	1.53	100		1.17	76	0.00	0	5	SW	W	18	70	1	3	Br	
130							128.02	129.54	1.52	100		1.17	77	0.15	10	6	SW	VW	12	60	5	3	Br	
							129.54	131.06	1.52	100		1.10	72	0.00	0	5	SW	W	15	70	1	2	Br	
							131.06	132.59	1.53	100		1.41	92	0.00	0	4	SW	W	20	70	1	3	Py	
							132.59	134.11	1.52	100		1.04	68	0.00	0	5	SW	W	20	70	1	3	Py	
135							134.11	135.64	1.53	100		0.79	52	0.00	0	4	SW	W	20	70	1	3	Py	
							135.64	136.55	0.91	100		1.23	135	0.00	0	4	SW	W	20	50	1	4	Br	
							136.55	138.02	1.47	100		1.12	76	0.00	0	4	MW	VW			5	3	Py	
140							138.02	139.60	1.58	100		1.28	81	0.23	15	4	MW	VW	17	55	1	4	Br	
							139.60	139.90	0.30	100		0.28	93	0.28	93	13	FR	MS	2	45	1	3	Cb	
							139.90	141.43	1.53	100		1.56	102	1.48	97	13	FR	MS	2	45	2	3	Qz	
							141.43	143.26	1.83	100		1.38	75	0.61	33	10	FR	MS	9	45	1	4	Cb	
145							143.26	144.78	1.52	100		1.41	93	1.04	68	13	FR	MS	5	70	3	3	Cb	
							144.78	146.30	1.52	100		1.49	98	1.49	98	12	FR	W	6	40	4	3	Cb	
							146.30	147.83	1.53	100		1.47	96	1.18	77	10	FR	W	6	40	1	3	Fe	
							147.83	149.35	1.52	100		1.52	100	1.46	96	13	FR	W	3	70	5	3	Cb	
150							149.35	150.88	1.53	100		1.50	98	1.27	83	13	FR	W	3	60	2	3	A	
							150.88	152.40	1.52	100		1.51	99	1.48	97	13	FR	W	4	50	5	3	A	
							152.40	153.92	1.52	100		1.54	101	1.47	97	13	FR	W	4	75	5	3	A	
							153.92	155.45	1.53	100		1.55	101	1.50	98	14	FR	W	4	55	1	5	A	
155							155.45	156.97	1.52	100		1.52	100	0.90	59	9	FR	W	9	50	5	4	A	
							156.97	158.50	1.53	100		1.47	96	1.32	86	12	FR	W	6	50	1	3	A	
							158.50	160.02	1.52	100		1.38	91	1.38	91	12	FR	MS	4	45	4	3	A	
160							160.02	161.54	1.52	100		1.54	101	1.34	88	12	FR	MS	4	45	3	2	A	
							161.54	163.07	1.53	100		1.56	102	1.45	95	13	FR	W	3	40	1	3	A	
							163.07	164.54	1.47	100		1.44	98	1.28	87	12	FR	W	4	40	1	3	A	
165							164.54	166.12	1.58	100		1.40	89	1.31	83	13	FR	W	3	25	5	3	Cb	
							166.12	167.64	1.52	100		1.42	93	1.17	77	12	FR	W	5	35	1	4	Cb	
							167.64	169.16	1.52	100		1.51	99	1.47	97	12	FR	MS	4	25	3	3	Cb	
170							169.16	170.69	1.53	100		1.49	97	1.39	91	12	FR	MS	4	80	5	3	Cb	
							170.69	172.21	1.52	100		1.44	95	1.44	95	14	FR	W	1	60	5	3	A	
							172.21	173.74	1.53	100		1.53	100	1.46	95	14	FR	MS	1	55	1	3	Cb	
							173.74	175.26	1.52	100		1.51	99	1.51	99	14	FR	W	1	70	5	3	A	

Hole: L06-17 Section: Drilling dates: August 11 to 18, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
																tw													
																tw													
																bw													
	BD	60													178.35 3 cm py BN ~85° w/ cb+qz	f												
180																													
			182.00	185.00	3.00	BS	RDWH				sil	s	hem	ms	BX qz altd SLT, f cb altn													
185																													
	BD	60	185.00	193.35		SLT	GY	BD		CR					bedded SLT, t CR bt														
	BD	60													cb VT parallel to BD, ~1 cm	t												
	VT	60													narrow cb VT's x-cut BD 2 cm spacing													
190																													
								BX																					
			193.35	201.60	8.25	SLT	DKGY	BX			car	s			BX SLT w/ cb+qz MX	t									30	cb	qz	
195															minor py BN/FX fill	tw												
																tw									60	cb	qz	
	BD	50					BK				car	f			197.50-197.60 strongly gaphitic	w				Gr	f							
200																f				Gr	w							
															qz+cb BX, f py at CN	w												
			201.60	210.05	8.45	SLT	GY	CR	BD							f												
																w												
																w												
205	BD	60						BX			car	ms			1 cm py BN 60° x-cut BD	f												
								BD							py BD's 3/m to 205.70	f												
	BD	60													less py, 1-2 mm BD's parallel to sed BD's	tw												
																tw												
															laminated/bedded core	tw												
210															py around cb bleb	tw												
			210.05			EOH																							

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
						175.26	176.78	1.52	100		1.52	100	1.52	100	13	FR	W	2	75	5	3	A	
						176.78	178.31	1.53	100		1.55	101	1.55	101	13	FR	MS	2	70	5	3	Cb	
						178.31	179.83	1.52	100		1.52	100	1.21	80	12	FR	MS	4	45	1	3	Cb	
						179.83	184.40	4.57	100		4.40	96	3.70	81	11	FR	W	4	60	1	2	Fe	
						184.40	185.93	1.53	100		1.52	99	1.38	90	12	FR	MS	4	55	1	2	Fe	
						185.93	187.45	1.52	100		1.53	101	1.47	97	13	FR	W	3	45	1	2	Fe	
						187.45	188.98	1.53	100		1.50	98	1.43	93	13	FR	W	3	50	4	3	Qz	
						188.98	190.50	1.52	100		1.53	101	1.31	86	12	FR	W	4	40	1	2	Cb	
						190.50	192.02	1.52	100		1.52	100	1.19	78	12	FR	W	4	50	5	3	Cb	
						192.02	193.55	1.53	100		1.52	99	1.34	88	12	FR	MS	4	30	5	3	Qz	
						193.55	195.07	1.52	100		1.49	98	1.45	95	13	FR	MS	3	55	5	3	Qz	
						195.07	196.60	1.53	100		1.53	100	1.53	100	13	FR	MS	3	55	3	4	Qz	
						196.60	198.12	1.52	100		1.43	94	1.34	88	13	FR	MS	3	45	1	1	Qz	
						198.12	199.64	1.52	100		1.58	103	1.38	91	13	FR	MS	3	65	5	3	A	
						199.64	201.17	1.53	100		1.53	100	1.53	100	12	FR	MS	4	45	5	3	A	
						201.17	202.69	1.52	100		1.54	101	1.34	88	13	FR	MS	3	60	2	3	A	
						202.69	204.22	1.53	100		1.54	101	1.46	95	13	FR	MS	3	70	1	3	A	
						204.22	205.74	1.52	100		1.52	100	1.52	100	13	FR	MS	3	55	2	2	A	
						205.74	207.20	1.46	100		1.38	95	1.38	95	14	FR	MS	1	60	2	2	A	
						207.20	207.57	0.37	100		0.35	95	0.35	95	11	FR	MS	7	60	5	3	A	
						207.57	210.05	2.48	100		2.32	94	2.17	87	11	FR	MS	5	55	1	4	A	

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 8, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-18**			PAD:	**5**
EASTING:	580178	NORTHING:	7204088	ELEVATION:	2082 m
AZIMUTH:	000°	DIP:	-55	DEPTH:	147.01 m
START:	August 20, 2006	afternoon		END:	August 24, 2006 mid-day

DRILL DOWN TIME: 2 days

REASONS: reset anchor, drill through ice to reach bottom (0.5 days)
broken pump, drill through ice to reach bottom (1.5 days)

SAMPLES:

TOTAL NUMBER: 5

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 180.00 m

TARGET DESCRIPTION:

Down dip extension of mineralization. Continuation of 000° section line.

DRILL CORE EVALUATION:

Quartz arenite to 28.75 m, background radioactivity

Grey/purple brecciated siltstone between 28.75 and 48.24 m, background radioactivity

Pink-tan/green brecciated siltstone between 48.24 and 73.17 m, average 175 cps, up to 250 cps with narrow bands white to grey brecciated siltstone

Crackled grey dolomitized siltstone between 73.17 and 147.01 m, background radioactivity

250 ppm U (0.030 %U_3O_8) over 1.05 m (53.95 to 55.00 m)

ADDITIONAL COMMENTS:

Drive axil and bearings on main pump broken. Pump replaced.

Hole froze, rods lost

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580178	7204088	2082	147.01

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-55	compas

Comments:
Contractor: Core Tech

Hole: L06-18 **Section:** 000 **Drilling dates:** August 20 to 24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
			0.00	28.75	28.75	SLT	WH	BD			ble	s	car	w	off white strong to intensely bleached siltstone weak to no crackle
5	BD	45													cb VT's 0.2 to 1 cm
	VT	70													
															diss py throughout
10							WHGN								
	VT	60													
15								BX							s hem altd clasts ironstone? over 30 cm BX ~5%
	BD	10													
20													chl	t	chl altn along FX's
25															
															gradational contact
			28.75	37.20	8.45	SLT	GY	BX			car	w			GY SLT w/ne MX/FX
30															
35															
															gradational contact
			37.20	44.55	7.35	SLT	WHPK	BX			ble	s	alb	t	alteration change
40															
															gradational contact
45			44.55	48.24	3.69	SLT	GYPU	BX			car	w			similar to previous GY SLT
			48.24	57.00	8.76	SLT	WHPK	BX			ble	s	car	w	similar to prev, ble unit slightly elevated radioactivity
50															
										RA					190 cps locally
															cp w/ cb VT
															stronger BX 54.00-54.30
55										RA					red earthy hem in MX ~250 cps
											chl	f			gradual increase in BX
			57.00	59.40	2.40	SLT	PKGN	BX			chl	s	ble	s	above BX, more intense strong car altn
			59.40	70.52	11.12	BX	PKGN				car	i	chl	t	above SLT strong BX
															abrubt contact marked by clast size variation and
													chl	f	increased matrix
65															
70															increased clast size
			70.52	73.17	2.65	SLT	GY	BX			car	i	chl	s	heavily altd SLT BX w/ FO
	FO	50					PKGN								final 0.75 m ble/chl/car altd
			73.17	147.01	73.84	SLT	GY	CR	SU		dol	s	chl	t	dolomitized SLT CR to BX dol xtals give sugary txt
75															
	VT	60													cb VT's 0.5 to 1.5 cm w/ Pky qz
80															
	VT	25													Pk qz+cb VT 1.5 cm
	BN	50													BN x-cut by qz+cb VT's

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
		t											
		t											
		t											
		t											
		t											
		t											
t		t											
		t											
		t											
		t											
		t											
		t											

Hole: L06-18 Section: 000 Drilling dates: August 20 to 24, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
65															pinky bands parallel BD/BN
															dolo xtals overprint pk BD's
90	BN	45													
															chl along qz+cb VT's
															cb VT@ 10° offsets cb VT @ 80°
95															60° cb offsets 10°
100	FO	50													
	VT	75													cb VT ~1 cm cut FO/PK BD
105															
110															chl along FX's
								CR							
								BX							
	VT	50						CR			car	f			
115															
	FO	40													pinky band
	FX	20													chl along FX's
120															
	FLT	20									chl	m	cly	m	121.25 5 cm weathered zone healed fault
															broken rock around
125															
	VT	50													cb VT's xcutting
															chl around VT's
	BD	40													
130															
	FO	40													40 cm PK alb altd band
135															
	FO	45													large dol xtals over pk FO
								BX							
140															
145															not as sugary
															cb CR BX
	VT	80													larger cb VTs 75-80°
			147.01			EOH									

Depth (m)	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Clasts Percent	Matrix Primary	Matrix Second	Matrix Minor
65														
90														
95														
100														
105														
110														
115														
120														
125														
130														
135														
140														
145														

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
65								84.43	87.48	3.05	100	
								87.48	90.53	3.05	100	
90												
								90.53	93.57	3.04	100	
95								93.57	96.62	3.05	100	
								96.62	99.67	3.05	100	
100												
								99.67	102.72	3.05	100	
								102.72	105.77	3.05	100	
105												
								105.77	108.81	3.04	100	
110								108.81	111.86	3.05	100	
								111.86	114.91	3.05	100	
115								114.91	117.96	3.05	100	
								117.96	121.01	3.05	100	
120												
								121.01	124.05	3.04	100	
125								124.05	127.10	3.05	100	
								127.10	130.15	3.05	100	
130												
								130.15	133.20	3.05	100	
135								133.20	136.25	3.05	100	
								136.25	139.29	3.04	100	
140								139.29	142.34	3.05	100	
								142.34	145.39	3.05	100	
145												
								145.39	147.01	1.62	100	

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Erosion	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
65	3.01	99	3.01	99	14	FR	MS	1	40	1	4	A	
	3.03	99	2.95	10	14	FR	MS	2	65	2	3	A	
90													
	2.80	92	2.80	92	14	FR	MS	1	50	1	3	A	
95	3.05	100	3.05	10	15	FR	MS	1	40	2	4	Qz	
	3.15	103	3.15	10	15	FR	MS	1	60	1	4	Qz	
100													
	2.92	96	2.92	96	14	FR	MS	2	60	1	3	A	
	2.77	91	2.77	9	11	FR	MS	5	65	5	3	A	
105													
	2.00	66	1.37	45	12	FR	MS	6	70	5	3	A	
110	3.14	103	3.14	10	15	FR	MS	1	40	1	2	Fe	
	2.84	93	2.78	9	14	FR	MS	2	40	2	3	Qz	
115	3.04	100	2.75	90	13	FR	MW	4	50	1	3	Qz	
	3.05	100	2.44	8	11	FR	MS	5	70	1	4	Qz	
120													
	2.66	88	1.69	6	11	FR	MS	6	40	1	3	Qz	
125	2.96	97	2.96	97	14	FR	MS	2	60	1	3	A	
	2.97	97	2.87	9	13	FR	MS	4	60	3	2	A	
130													
	2.74	90	1.59	52	13	FR	MS	3	70	5	3	A	
135	3.02	99	3.02	10	14	FR	MS	2	65	1	4	A	
	2.93	96	2.93	10	14	FR	MS	2	35	4	3	A	
140	3.13	103	3.07	101	14	FR	MS	2	65	1	4	A	
	2.89	95	2.80	9	14	FR	MS	3	45	5	3	A	
145	1.67	103	1.42	88	13	FR	MS	4	35	1	3	A	

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 8, 2006**			PROPERTY	**LUMINA**
DRILL HOLE	**L06-19**			PAD:	**5**

EASTING:	580178	NORTHING:	7204088	ELEVATION:	2082 m
AZIMUTH:	000°	DIP:	-75	DEPTH:	93.46 m

START:	August 24, 2006	afternoon	END:	August 25, 2006	evening

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER: 28

DATE SENT TO LAB:

DATE RESULTS EXPECTED: Returned

TARGET DEPTH: 150.00 m

TARGET DESCRIPTION:

Down dip extension of mineralization. Continuation of 000° section line.

DRILL CORE EVALUATION:

Quartz arenite to 25.33 m, background radioactivity

Grey/purple brecciated siltstone between 25.33 and 41.26 m, background radioactivity

Pink-tan/green brecciated siltstone between 41.26 and 93.57 m, average 175 cps, up to 250 cps

- bleached-sericite-carbonate altered
- "flow texture" between 41.26 and 77.00 m
- increasing silica after 77.00, reduced radioactivity

230 ppm U (0.027 %U_3O_8) over 2.63 m (63.51 to 66.14 m)

ADDITIONAL COMMENTS:

Water source dried/frozen. Snow and ice on ridge around drill, unsafe conditions. Hole discontinued. Casing left in.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

Comments: Water source dried up, hole discontinued, casing left in
Contractor: Core Tech

East	North	Elev.	Depth
580178	7204088	2082	93.46

Casing: depth: 10 ft in
Core Size: btw
Logger: M. R. Dumala
Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	000	-75	compas

Hole: L06-19 **Section:** 000 **Drilling dates:** August 24 to 25, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	25.33	25.33	SLT	TNGN	CR	BD		car	m	chl	w	silicified, bleached SLT variable car+chl altn														
5											car	ms																	
	BD	50											chl	m															
10													chl	m	chl filling FS's - glassy QV														
													chl	m															
	VT	45									car	ms																	
											car	ms			cb VT's <3 mm		t												
15																													
															stronger CR														
	BD	50					TNGY			RA			chl	m	200 cps 17.60-19.70														
	VT	10					TNPK																						
20							TNPK								cb VTw/ py parallel to BD in clasts		t	t											
25															gradational contact														
			25.33	41.26	15.93	SLT	GYPU	BX			car	f			carb+hem SLT BX becoming more MA to CR			tw					SLT		10	car	hem	
								CR										tw											
30																		f											
																		f											
																		f											
																		w											
																		w											
35	VT	45													cb VT w/ chl			w											
																		w											
	BD	40																w											
																		w											
40																		w											
							GYPK	BX							gradational contact			w											
			41.26	53.75	12.49	BX	TNPK				ble	ms	car	m	CR to BX bt, altd SLT	t		tw					SLT						
															bleached over albite altn chl altn along FX's	t		tw											
																t														
45																t														
																t														
																t														
	FO	25														t														
50															30 cm hem altd band	t														
																t	t													
																t	t													
			53.75	72.24	18.49	BX	PKGN				ser	m	ble	ms	appears similar to above w/ stronger altn and BX	t													
55																t														
																t														
																t														
															alb-hem-chl-ble altd VTs	t		w												
60															qz+cp+chl FX and VT later +/-Py	t		f												
															sulphides mainly over cb VT's and clasts	t		f												
																t		w												
															bleaching around FX's	t		w												
65																t		w												
															66.25-68.25 rubbly zone	t		w												
															ch+qz healed fault at core	t														
																t														
70																t														
															alt and BX gradual decrease	t														
			72.24	77.00	4.76	BX	TNPK								above unit, altn and BX change	t														
																t														
75																t														
											qtz	tw			start of qz altn														
											qtz	w			50 cm chl altd BX at contact														
			77.00	90.60	13.60	BX	PKTN				qtz	f			bleby qtz over interval														
80																													

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
								0.00	5.18	5.18		
5								5.18	8.23	3.05	105	
10	8.23	11.28	3.05	C107084	9	11	1	8.23	11.28	3.05	105	
	11.28	14.33	3.05	C107085	4	51	13	11.28	14.33	3.05	105	
15	14.33	17.37	3.04	C107086	31	27	5	14.33	17.37	3.04	105	
	17.37	18.30	0.93	C107087	122	41	2	17.37	20.42	3.05	110	
20	18.30	20.42	2.12	C107088	24	52	1					
	BLANK			C107089	4	<1	<1					
	20.42	23.47	3.05	C107090	6	52	8	20.42	23.47	3.05	105	
25								23.47	26.52	3.05	105	
								26.52	29.57	3.05	105	
30								29.57	32.61	3.04	105	
								32.61	35.66	3.05	105	
35								35.66	38.71	3.05	105	
40								38.71	41.76	3.05	105	
	41.26	44.81	3.55	C107091	10	28	<1	41.76	44.81	3.05	105	
45	44.81	47.85	3.04	C107092	13	41	<1	44.81	47.85	3.04	110	
	47.85	50.90	3.05	C107093	12	34	<1	47.85	50.90	3.05	115	
50	50.90	53.75	2.85	C107094	24	41	<1	50.90	53.95	3.05	115	
	53.75	54.75	1.00	C107095	135	75	36	53.95	57.00	3.05	140	
55	54.75	57.00	2.25	C107096	24	41	<1					
	57.00	59.37	2.37	C107097	75	46	<1	57.00	60.05	3.05	195	
60	59.37	60.77	1.40	C107098	65	52	1					
	60.77	63.51	2.74	C107099	27	33	<1	60.05	63.09	3.04	185	
65	63.51	66.14	2.63	C107100	230	47	9	63.09	66.14	3.05	210	
	66.14	67.96	1.82	C107101	58	66	88	66.14	69.19	3.05	190	
	67.96	69.60	1.64	C107102	80	60	19					
70	69.60	72.24	2.64	C107103	44	26	42	69.19	72.24	3.05	155	
	72.24	75.29	3.05	C107104	26	23	8	72.24	75.29	3.05	145	
75	75.29	77.00	1.71	C107105	80	70	5	75.29	78.33	3.04	145	
	77.00	78.33	1.33	C107106	35	88	25					
	78.33	81.38	3.05	C107107	17	57	7	78.33	81.38	3.05	130	
80	81.38	84.43	3.05	C107108	24	63	29	81.38	84.43	3.05	145	

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
	2.88	94	2.52	83	13	FR	W	4	30	1	3	Cb	
10	2.85	93	2.63	86	13	FR	MS	4	35	1	3	Cb	
	3.02	99	2.83	93	13	FR	MS	4	50	4	2	Fe	
15	2.81	92	2.70	89	13	FR	MS	4	50	2	3	Fe	
	2.73	90	2.60	85	13	FR	MS	4	35	3	3	Fe	
20	3.05	100	3.05	100	13	FR	MS	3	35	1	2	A	
	2.75	90	2.27	74	13	FR	W	3	65	5	3	A	
	2.97	97	2.89	95	14	FR	MS	2	35	5	3	Cb	
30	3.03	100	3.03	100	14	FR	W	2	50	5	3	Cb	
	2.73	90	2.37	78	13	FR	MS	3	45	1	3	Fe	
35	2.91	95	2.66	87	13	FR	MS	4	30	1	3	Fe	
40	3.16	104	3.12	102	13	FR	W	3	70	2	3	A	
	2.88	94	2.76	90	13	FR	W	4	40	2	3	A	
45	2.84	93	2.45	81	12	FR	W	5		2	2	A	
	2.92	96	2.40	79	12	FR	W	5	30	2	2	A	
50	2.93	96	2.50	82	11	FR	W	6	60	2	2	A	
	2.77	91	2.37	78	11	FR	W	6	50	2	2	A	
55													
	2.83	93	2.51	82	11	FR	W	7	45	2	2	A	
60	3.02	99	2.86	94	12	FR	W	4	50	2	2	A	
	3.09	101	2.87	94	13	FR	W	5	40	2	2	A	
65	2.54	83	1.79	59	7	FR	W	12	40	2	2	A	
70	2.83	93	2.75	90	13	FR	W	3	45	2	2	A	
	2.30	75	2.05	67	11	FR	W	6	60	4	2	A	
75	3.64	120	3.45	113	14	FR	W	3	45	1	2	A	
	2.99	98	2.99	98	14	FR	W	2	50	2	2	A	
80	3.01	99	2.93	96	13	FR	W	3	50	2	2	A	

Hole: L06-19 Section: 000 Drilling dates: August 24 to 25, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
85																													
90	CN	80													sharp contact														
			90.60	93.57		BX	GNGY								CR to BX ble+chl altd SLT	t								SLT					
																"														
			93.57			EOH																								

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Co (ppm)	ASSAYS Mo (ppm)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Alt/tude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
85	84.43	87.48	3.05	C107109	8	42	9	84.43	87.48	3.05	140		3.02	99	3.02	99	14	FR	W	2	60	2	2	A	
	87.48	90.60	3.12	C107110	8	33	59	87.48	90.53	3.05	110		2.99	98	2.99	98	14	FR	W	2	60	2	2	A	
90																									
	90.60	93.57	2.97	C107111	29	12	249	90.53	93.57	3.04	110		3.03	100	2.98	98	13	FR	W	3	45	2	2	A	

YUKON URANIUM PROJECT - SUMMARY

DATE	**December 8, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**R06-1**	PAD:	**RAM-1**

EASTING:	580756	NORTHING:	7208682	ELEVATION:	1213 m
AZIMUTH:	285°	DIP:	-50°	DEPTH:	91.44 m

START:	August 20, 2006	morning	END:	August 21, 2006	morning

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER:	4
DATE SENT TO LAB:	
DATE RESULTS EXPECTED:	returned

TARGET DEPTH: 85.00 m

TARGET DESCRIPTION:

Ram I, radioactive outcrop. Epected to pass under outcrop at approximately 65 m.

DRILL CORE EVALUATION:

Chlorite-carbonate altered siltstone breccia with bands of Wernecke Breccia, background radioactivity

Wernece Breccia: 4.70 - 13.32 m, 29.43 - 32.15 m, 38.75 - 39.34 m

Gougey fault zones: 32.80 - 32.90 m, 33.20 - 33.42 m

Limonite-carbonate-clay altered fault zones:

38.50 - 38.75 m, 42.86 - 45.50 m, 51.75 - 54.44 m, 80.80 - 81.45 m

ADDITIONAL COMMENTS:

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580756	7208682	1213	91.44

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	285	-50	compas

Comments:

Contractor: Superior

Hole: R06-1

Section:

Drilling dates: August 20 to 21, 2006

LITHOLOGY

Depth (m)	Struct. Type	Struct. Attitude	From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	Notes:
			0.00	4.70	4.70	SLT	GN	CR	MA		massive, chl altd SLT
											cb+qz FX fill
											cp in cb VT/FX
5			4.70	13.32	8.62	Wb	DKGY				W sed, he 2 - car
											bands w/ larger GY SLT
											clasts
											increasing cb in MX
10	FO	50								FL	9.85-995 flow texture
											CN on FX
	CN	60	13.32	29.43	16.11	SLT	GY	CR	BD		GY SLT w/ FX tt
15	BD	60									FX x-cut BD
	VT	40									1-2 mm cb VT's x-cut BD
											hem along FX/cb VT's
20											
	FX	20									21.77-22.06 lim altd zone
											open cb FX's
25											
											strongly CR L.C. over 5 cm
30			29.43	32.15	2.72	Wb					W sed, He 2 - car
	VT	80									qz+cb VT's w/ t Si
	CN	30	32.15	38.50	6.35	SLT	GY	CR	BD		same SLT as before
	FLT	30									32.80-32.90 FLT, GO
35											33.20-33.42 FLT, GO
											qz+/-cb FX's
			38.50	38.75	0.25	FLT	GY	GO			
40			38.75	39.34	0.59	Wb	GY				W sed, he 2 - car
	CN	50	39.34	42.86	3.52	SLT	LTGN	CR			contact GN - FO ch+cb altd
			42.86	45.50	2.64	FLT	BN		VU	GO	same unit as above, weath.
											vuggy and gougy
45											altered around contacts
			45.50	51.75	6.25	SLT	LTGN	CR			same as before
50	BD	80									
	FO	40									chl FX/MX w/ fol
			51.75	54.44	2.69	FLT	BNPK		VU		
										GO	52.90-53.00 main FLT
55			54.44	80.80	26.36	SLT	GNGY	CR			similar to before, less CR
											visible FO/BD
	FO	30									
60											
	FO	5					GYGN				slight colour change
65											
											chl along FX's
	FO	40									
70	FO	0									
75											
80											
	FLT	30	80.80	81.45	0.65	FLT	BN		VU	GO	altd at contacts, cb xtals
			81.45	87.37	5.92	SLT	GY				similar to before
	BD	40									

ALTERATION

Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity
chl	s	car	tw

Hole: R06-1 Section: Drilling dates: August 20 to 21, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:
	VT	40													py along qz+chl VT's
85															
	CN	80	87.37	91.44	4.07	SLT	GYPU	CR	BD						5 cm at CN V BX FLT?
	BD	45													purply SLT CR bt w/ cb MX
90															
			91.44			EOH									
96															

MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity
t							
t							
t							
t							
		t					
		t					
		t					
		t					

BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Co (ppm)	Mo (ppm)

Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
83.82	85.34	1.52	105	
85.34	86.87	1.53	105	
86.87	88.39	1.52	105	
88.39	89.91	1.52	100	
89.91	91.44	1.53	105	

GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness
1.39	91	0.86	57	11	FR	W
1.37	90	1.37	90	13	FR	W
1.42	93	1.26	83	13	FR	MS
1.48	97	1.48	97	14	FR	MS
1.48	97	1.48	97	14	FR	MS

JOINTS Frequency	Altitude	Shape	Roughness	Infilling	Width (mm)
6	85	1	3	Fe	
4	60	1	4	A	
3	40	1	4	A	
1	50	5	4	Qz	
2	30	4	3	Fe	

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**R06-2**	PAD:	**RAM-1**

EASTING:	580756	NORTHING:	7208682	ELEVATION:	1213 m
AZIMUTH:	332°	DIP:	-50°	DEPTH:	91.44 m

START:	August 21, 2006	morning	END:	August 22, 2006	morning

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER:	0
DATE SENT TO LAB:	-
DATE RESULTS EXPECTED:	-

TARGET DEPTH: 75.00 m

TARGET DESCRIPTION:

Strike extension of Ram I, radioactive outcrop. Midway between Ram I and Ram II showings.

DRILL CORE EVALUATION:

Grey unaltered siltstone to 57.37 m, background radioactivity

Wernecke Breccia between 57.37 to 91.44 m, background radioactivity

ADDITIONAL COMMENTS:

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580756	7208682	1213	91.44

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	332	-50	compas

Comments:

Contractor: Superior

Hole: R06-2

Section:

Drilling dates: August 21 to 22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	57.37	57.37	SLT	GY	MA							grey weakly bedded SLT														
															cb FX filling														
5																													
10																													
	BD	45																											
15																													
															diamond shaped FX's ~1 cm cb filled														
	SH	50													17.75 2 cm SH zone, qz+cb 70° VT x-cut 50°														
20																													
25																													
30								CR																					
								CR																					
35																													
	VT	45																											
40								CR																					
	FLT	30													42.15 15 cm vuggy zone w/ lim+car, FLT?			t											
																		t											
45																													
																		t											
																		t											
																		t											
															spec hem w/ cb VT/FX's			t											
50																		t											
								BX							narrow BX band														
55															increasing BX														
			57.37	68.40	11.03	Wb	GY				car	2			W sed, car 2 ~ car beds of SLT 30-40 cm								SED		20	sed	car	hem
60	VT	50													cb VT's hetrolithic														
65																													
	BD	45	68.40	71.35	2.95	SLT	CR								as before														
70																													
	CN	80	71.35	91.44	20.09	Wb	GY								as above w/ more hem								SED		25	sed	car	hem
	VT	50													qz VT's 1/m +/- cb														
75																													
	FX	50											lim	w	FX w/ lim altn around														
80																													
							LTGY								pale BX band ~60 cm more homolithic														

ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
						0.00	3.05	3.05															
						3.05	4.57	1.52															
						4.57	6.10	1.53	100														
						6.10	9.14	3.04	100		0.76	25	0.69	23	8	SW	W	11	55	1	4	Fe
						9.14	12.19	3.05	100		2.67	88	2.12	70	11	SW	W	8	40	1	5	Fe
						12.19	15.24	3.05	95		2.53	83	1.82	60	11	SW	W	7	60	1	3	A
						15.24	18.29	3.05	100		2.41	79	2.14	70	12	FR	W	5	35	1	2	A
						18.29	21.34	3.05	100		2.82	92	2.77	91	14	FR	W	2	50	4	3	Cb
						21.34	24.38	3.04	100		2.94	97	2.89	95	12	FR	W	4	60	1	3	A
						24.38	27.43	3.05	95		2.87	94	2.47	81	13	FR	W	4	30	1	3	A
						27.43	29.57	2.14	100		1.86	87	1.38	64	11	FR	W	5	45	1	3	Cb
						29.57	32.00	2.43	100		2.27	93	1.68	69	12	FR	W	5	45	1	3	Cb
						32.00	35.05	3.05	100		2.31	76	2.00	66	11	FR	W	7	55	1	3	Cb
						35.05	36.58	1.53	95		1.50	98	1.50	98	13	FR	W	2	40	5	3	Cb
						36.58	38.71	2.13	100		2.07	97	1.89	89	13	FR	W	2	45	1	4	Cb
						38.71	41.15	2.44	100		2.21	91	2.14	88	13	FR	W	2	60	1	3	Cb
						41.15	43.59	2.44	100		2.22	91	2.08	85	12	FR	W	4	40	4	3	Cb
						43.59	45.72	2.13	100		1.83	86	1.75	82	13	FR	W	4	60	1	3	Cb
						45.72	48.77	3.05	100		2.96	97	2.85	93	14	FR	W	2	45	1	3	Cb
						48.77	49.99	1.22	100		1.05	86	0.90	74	11	FR	MS	5	50	1	3	Cb
						49.99	52.12	2.13	100		1.91	90	1.85	87	13	FR	MS	3	40	1	3	Cb
						52.12	54.86	2.74	100		2.67	97	2.59	95	13	FR	MS	3	65	1	2	Cb
						54.86	56.08	1.22	100		0.90	74	0.83	68	14	FR	MS	2	30	1	2	Cb
						56.08	59.13	3.05	100		2.72	89	2.52	83	13	FR	MS	3	30	1	3	Cb
						59.13	62.18	3.05	100		3.03	99	2.97	97	13	FR	MS	3	35	4	3	Cb
						62.18	64.92	2.74	95		2.52	92	2.41	88	13	FR	MS	3	40	1	3	Qz
						64.92	65.84	0.92	100		0.33	36	0.27	29	10	FR	MS	9	35	1	4	Br
						65.84	68.58	2.74	100		2.44	89	2.22	81	13	FR	MS	3	55	5	3	Li
						68.58	71.63	3.05	100		2.91	95	2.82	92	13	FR	MS	3	30	2	3	Cb
						71.63	74.68	3.05	100		2.93	96	2.77	91	13	FR	MS	3	55	1	3	Cb
						74.68	77.72	3.04	95		2.92	96	2.84	93	14	FR	MS	2	50	1	3	Fe
						77.72	80.77	3.05	100		2.94	96	2.79	91	13	FR	MS	4	40	1	4	Cb
						80.77	83.82	3.05	95		2.84	93	2.21	72	13	FR	MS	4	50	1	3	Cb

Hole: R06-2 Section: Drilling dates: August 21 to 22, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	LITHOLOGY To (m)	LITHOLOGY Interval (m)	LITHOLOGY Type	LITHOLOGY Colour	LITHOLOGY Texture	LITHOLOGY Mod 1	LITHOLOGY Mod 2	ALTERATION Prim. Type	ALTERATION Prim. Intensity	ALTERATION Sec. Type	ALTERATION Sec. Intensity	Notes:
85															cb VT's -2 sets 1) x-cut all units 2) only x-cut DKGY SLT clasts 40 cm SLT BD w/ cb VT's
90			91.44			EOH									
95															

Depth (m)	MINERALS Pyrite	MINERALS Chalcopyrite	MINERALS Hematite	MINERALS Magnetite	MINERALS Type	MINERALS Intensity	MINERALS Type	MINERALS Intensity
85								
90								
95								

Depth (m)	BRECCIA Clasts Primary	BRECCIA Clasts Second	BRECCIA Matrix Percent	BRECCIA Matrix Primary	BRECCIA Matrix Second	BRECCIA Matrix Minor
85						
90						
95						

Depth (m)	ASSAYS From (m)	ASSAYS To (m)	ASSAYS Interval (m)	ASSAYS Sample	ASSAYS U (ppm)	ASSAYS Cu (ppm)
85						
90						
95						

Depth (m)	Blocks From (m)	Blocks To (m)	Blocks Intvl. (m)	Radiometrics (average)	Magnetics	GEOTECHNICAL REC (m)	GEOTECHNICAL REC Percent	GEOTECHNICAL RQD (m)	GEOTECHNICAL RQD Percent	GEOTECHNICAL Breakage	GEOTECHNICAL Weathering	GEOTECHNICAL Hardness	JOINTS Frequency	JOINTS Attitude	JOINTS Shape	JOINTS Roughness	JOINTS Infilling	JOINTS Width (mm)
85	83.82	86.87	3.05	100		3.02	99	3.02	99	14	FR	MS	2	50	1	3	Cb	
90	86.87	89.97	3.10	100		2.87	93	2.41	78	12	FR	MS	4	35	1	4	Cb	
95	89.97	91.44	1.47	95		1.55	105	1.48	101	14	FR	MS	2	50	1	4	Cb	

YUKON URANIUM PROJECT - SUMMARY

DATE	**November 29, 2006**	PROPERTY	**LUMINA**
DRILL HOLE	**R06-3**	PAD:	**RAM-1**

EASTING:	580756	NORTHING:	7208682	ELEVATION:	1213 m
AZIMUTH:	020°	DIP:	-50°	DEPTH:	64.01 m

START:	August 22, 2006	morning	END:	August 23, 2006	morning

DRILL DOWN TIME:

REASONS:

SAMPLES:

TOTAL NUMBER:	0
DATE SENT TO LAB:	-
DATE RESULTS EXPECTED:	-

TARGET DEPTH: 85.00 m

TARGET DESCRIPTION:

Ram II showing and strike extension of Ram I, radioactive outcrop.

DRILL CORE EVALUATION:

Grey unaltered siltstone to 63.38 m, background radioactivity

Wernecke Breccia between 63.38 to 64.01 m, background radioactivity

ADDITIONAL COMMENTS:

Hole expected to pass under RAM II showing at 40 m.

Hole shut down early due to helicopter availability for drill move.

LUMINA PROPERTY

YUKON URANIUM PROJECT

DIAMOND DRILL HOLE LOG

East	North	Elev.	Depth
580756	7208682	1213	64.01

Casing: depth: 10 ft out

Core Size: btw

Logger: M. R. Dumala

Scintillometer: Saphymo Stel SPP_2_NF # 2125

SURVEY	Depth	Azi.	Dip	Method
	Collar	020	-50	compas

Comments:

Contractor: Superior

Hole: R06-3

Section:

Drilling dates: August 22 to 23, 2006

Depth (m)	Struct. Type	Struct. Attitude	LITHOLOGY From (m)	To (m)	Interval (m)	Type	Colour	Texture	Mod 1	Mod 2	ALTERATION Prim. Type	Prim. Intensity	Sec. Type	Sec. Intensity	Notes:	MINERALS Pyrite	Chalcopyrite	Hematite	Magnetite	Type	Intensity	Type	Intensity	BRECCIA Clasts Primary	Clasts Second	Matrix Percent	Matrix Primary	Matrix Second	Matrix Minor
			0.00	63.38		SLT	GY	MA			car	w			GY SLT, weak to no BD														
5															qz+cb VT's 5/m 2-7 mm some w/ t spec													
	VT	40																											
10																													
																		t											
15																													
																		t											
20	BD	50													VT's x-cut BD														
	VT	45																											
								CR																					
25																													
	FO	20													weak foliation in SLT														
30											car	f																	
								CR			car	f			30 cm w/ 4-5 mm dol xtals w/ spec			t											
															red earthy hem blotches														
35																													
40																													
	VT	80													cb+qz VT's 6/m 1-9 mm														
	BD	35													VT's x-cut BD														
45	VT	25													25° VT x-cut 60° VT														
								CR	VU						cb FX/VT's vuggy														
50	VT	50						CR	VU						open qz VT ~7 mm, xtals														
								CR	VU						cb rotting out forming vugs up to ~1 cm														
															vuggy cb VT/FX's continue to L.C., not as strong														
55																													
60																													
									VU						cb VT/FX's w/ vugs														
			63.38	64.01	0.63	Wb									W sed, he 1 - car			f											
65			64.01			EOH																							

Depth (m)	ASSAYS From (m)	To (m)	Interval (m)	Sample	U (ppm)	Cu (ppm)	Blocks From (m)	To (m)	Intvl. (m)	Radiometrics (average)	Magnetics
							0.00	4.57	4.57	100	
5							4.57	6.10	1.53	95	
							6.10	7.62	1.52	95	
							7.62	9.14	1.52	100	
10							9.14	12.19	3.05	95	
							12.19	13.72	1.53	95	
							13.72	16.76	3.04	100	
15							16.76	18.29	1.53	100	
							18.29	21.03	2.74	100	
20							21.03	22.86	1.83	100	
							22.86	25.91	3.05	100	
25							25.91	27.43	1.52	100	
							27.43	30.48	3.05	100	
30							30.48	32.00	1.52	100	
							32.00	33.22	1.22	100	
							33.22	36.27	3.05	100	
35							36.27	36.58	0.31	100	
							36.58	39.62	3.04	100	
40							39.62	41.15	1.53	100	
							41.15	44.20	3.05	100	
45							44.20	47.24	3.04	100	
							47.24	50.29	3.05	100	
50							50.29	52.73	2.44	100	
							52.73	54.56	1.83	100	
55							54.56	56.39	1.83	100	
							56.39	58.83	2.44	100	
60							58.83	60.96	2.13	100	
							60.96	64.01	3.05	100	
65											

Depth (m)	GEOTECHNICAL REC (m)	REC Percent	RQD (m)	RQD Percent	Breakage	Weathering	Hardness	JOINTS Frequency	Attitude	Shape	Roughness	Infilling	Width (mm)
5													
	0.87	57	0.57	38	7	FR	W	13	60	2	2	A	
	1.65	109	1.62	107	12	FR	W	4	30	2	2	Cy	
10	2.62	86	2.56	84	13	FR	W	3	45	2	2	Cy	
	1.78	116	1.73	113	13	FR	W	3	40	2	2	Cy	
15	2.66	88	2.56	84	14	FR	W	3	30	2	2	A	
	1.47	96	1.13	74	10	FR	W	6	30	2	2	A	
20	2.60	95	2.46	90	13	FR	W	4	45	2	2	A	
	1.75	96	1.69	92	13	FR	W	3	40	1	2	A	
	2.83	93	2.52	83	12	FR	W	5	30	2	2	A	
25	1.40	92	1.35	89	12	FR	W	5	30	2	2	A	
	2.81	92	2.76	90	13	FR	W	4	45	2	2	A	
30	1.39	91	1.31	86	12	FR	W	4	40	2	2	A	
	1.08	87	0.93	76	12	FR	W	5	45	2	2	A	
	2.81	92	2.60	85	12	FR	W	4	50	2	2	A	
35	0.30	97	0.27	87	11	FR	W	4	45	2	2	A	
	2.96	97	2.96	97	12	FR	W	5	50	2	2	A	
40	1.28	84	0.96	63	12	FR	W	5	55	1	3	A	
	2.64	87	2.60	85	13	FR	W	4	50	1	4	A	
45	3.03	100	3.03	100	12	FR	W	4	35	1	3	Cb	
	2.78	91	2.63	86	13	FR	W	4	40	1	4	Qz	
50	2.34	96	1.94	80	12	FR	W	6	60	1	3	Cb	
	1.53	84	1.33	73	12	FR	W	6	40	1	4	Cb	
55	1.43	78	0.92	50	11	FR	W	7	55	1	3	Cb	
	2.51	103	1.93	79	13	FR	W	4	40	5	3	Cb	
60	1.77	83	1.27	60	12	FR	W	5	60	1	4	Cb	
	2.77	91	1.97	65	11	FR	W	6	40	1	4	Cb	
65													

APPENDIX IV

CERTIFICATES OF ANALYSIS

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.3	3.01	86	31	2.80	0.077	2	3.23	8	63	26	0.683	20	14	12	9.2	2
C103644	1.6	9.33	67	20	1.85	0.283	29	0.06	9	38	33	0.460	124	8	10	9.0	2
C107063	0.8	0.051	1	7	3.43	0.243	5	7.18	<1	5	49	0.186	22	<1	8	2.6	<1
C107067	0.7	0.035	7	20	6.48	0.466	32	5.90	1	8	117	0.220	11	1	12	1.8	<1
C107072	0.9	5.23	16	20	4.39	0.405	15	0.07	6	14	36	0.210	7	3	12	3.2	<1
C107081	0.9	4.87	49	20	4.28	0.560	<1	0.05	6	31	30	0.198	14	7	11	6.0	<1
C107097	0.9	5.38	66	31	4.77	0.292	<1	0.06	7	42	39	0.236	8	10	13	7.9	<1
C107098	1.0	5.93	72	44	4.67	0.183	1	0.06	5	45	53	0.367	38	10	16	8.0	<1
C107100	1.1	4.81	53	27	5.01	0.395	9	0.05	7	36	42	0.220	21	8	12	7.3	<1
C107102	0.7	5.33	18	19	3.54	0.310	19	0.24	7	13	51	0.213	6	2	12	2.9	<1
C107103	0.7	5.27	64	19	3.27	0.250	42	0.19	5	39	38	0.211	3	9	11	6.7	<1
C107105	0.7	4.68	23	14	4.66	0.400	5	0.06	3	17	51	0.183	5	3	11	3.4	<1
C107112	1.1	5.45	33	21	1.75	0.389	15	0.03	7	23	88	0.234	44	5	14	6.2	<1
C107121	1.1	5.08	5	23	4.94	0.248	<1	0.03	14	7	118	0.223	8	<1	45	2.3	<1
C107122	0.7	5.67	46	13	3.63	0.327	1	0.04	7	31	34	0.198	3	7	10	5.8	<1
C107125	1.0	4.81	37	13	2.94	0.211	1	0.03	5	30	34	0.209	17	6	8	6.2	<1
C107121 R	1.2	5.09	5	23	4.86	0.245	<1	0.03	15	7	118	0.222	7	<1	45	2.1	<1

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1160	<1	<0.3	14	1.09	4	123	2	22	1.9	89	159
C103644	34	<1	0.7	16	0.434	237	108	20	33	3.6	91	89
C107063	34	<1	<0.3	11	0.114	310	32	3	17	2.2	31	71
C107067	55	<1	<0.3	10	0.115	60	32	5	16	2.0	67	74
C107072	31	<1	<0.3	11	0.383	90	86	5	22	2.4	14	78
C107081	36	<1	<0.3	13	0.390	250	77	3	24	2.3	11	72
C107097	23	1	<0.3	15	0.429	75	98	6	21	2.3	27	72
C107098	13	<1	<0.3	18	0.463	65	128	5	19	2.4	71	98
C107100	25	<1	<0.3	13	0.417	230	88	7	26	2.9	22	81
C107102	23	<1	<0.3	12	0.425	80	97	8	18	2.2	12	86
C107103	20	<1	<0.3	14	0.353	44	90	7	17	2.0	12	84
C107105	27	<1	<0.3	8	0.267	80	70	7	17	2.0	10	76
C107112	17	1	<0.3	12	0.393	570	76	9	28	3.1	27	76
C107121	23	<1	<0.3	<1	1.12	2	469	<1	17	2.5	51	63
C107122	29	<1	<0.3	13	0.397	4	68	9	18	2.1	15	79
C107125	26	<1	<0.3	13	0.417	165	64	5	21	2.3	15	81
C107121 R	23	<1	<0.3	<1	1.13	3	467	<1	17	2.6	51	65

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	<0.2	17.3	2330	1.7	4.64	0.7	156	17	117	5	3.1	2.5	2.4	7.27	19	6.1	4.0
C107061	0.2	18.4	430	3.5	1.53	1.0	87	40	110	85	2.6	2.0	1.1	2.97	20	4.3	2.4
C107062	0.4	12.5	15	0.3	8.25	0.4	5	69	48	2	<0.2	1.5	0.5	5.09	11	1.2	2.0
C107064	<0.2	13.4	19	0.3	6.69	0.2	25	74	53	4	<0.2	1.6	0.8	6.11	14	2.0	2.2
C107065	<0.2	0.21	18	<0.2	29.5	0.2	<1	<1	26	1	0.3	1.6	<0.2	0.15	<1	<0.5	<0.5
C107066	1.5	4.29	29	<0.2	20.4	<0.2	165	192	32	72	<0.2	4.3	4.2	17.2	11	9.2	3.8
C107068	<0.2	14.2	315	0.2	8.30	<0.2	2	231	46	7	<0.2	1.6	0.5	6.22	12	1.4	2.9
C107069	<0.2	11.9	60	0.2	9.33	<0.2	2	278	51	13	<0.2	1.9	0.7	7.94	10	1.9	2.9
C107070	<0.2	14.9	1140	3.0	6.56	0.2	97	83	62	19	0.2	2.3	1.7	7.21	18	4.5	3.0
C107071	<0.2	13.3	852	2.7	8.41	0.2	81	69	69	3	0.2	2.3	1.6	6.34	16	4.4	2.7
C107073	<0.2	16.0	491	2.3	7.24	0.6	114	25	60	3	0.5	2.1	1.7	5.21	20	4.8	2.6
C107074	<0.2	15.6	521	2.3	6.76	0.5	105	16	60	<1	1.2	2.3	1.8	5.43	19	5.1	2.7
C107075	<0.2	12.6	416	2.1	7.78	0.3	72	7	67	1	0.9	2.1	1.3	8.98	16	4.0	2.2
C107076	<0.2	12.0	681	1.8	3.50	0.7	77	9	95	133	2.7	2.3	1.2	2.84	12	4.4	1.3
C107077	<0.2	13.1	683	1.9	8.37	0.6	70	30	72	230	2.3	2.3	1.1	3.68	14	4.5	1.8
C107078	<0.2	11.7	732	1.5	10.1	0.8	59	13	50	230	1.5	2.6	1.0	3.41	12	4.1	1.3
C107079	<0.2	14.3	860	2.7	6.55	0.4	92	31	61	19	<0.2	2.2	2.0	7.12	17	4.3	2.6
C107080	<0.2	14.7	856	2.9	6.87	0.3	99	29	58	3	<0.2	2.2	2.0	6.41	18	4.5	2.6
C107082	<0.2	14.3	614	2.9	7.68	0.7	91	28	63	2	<0.2	2.3	1.5	5.64	17	4.6	2.6
C107083	<0.2	15.2	592	3.2	8.29	0.4	101	32	64	4	0.4	2.6	1.6	6.42	19	4.8	2.5
CG515/LS4/BH	<0.2	17.8	2350	1.7	4.64	0.6	155	18	119	4	3.1	2.5	2.4	7.38	19	6.0	3.5
C107084	<0.2	12.5	154	0.9	9.26	0.5	26	11	43	2	<0.2	1.8	0.6	4.04	7	2.2	2.5
C107085	<0.2	12.0	57	0.3	11.7	0.3	14	51	33	3	<0.2	1.9	0.6	4.50	5	2.4	2.2
C107086	<0.2	13.0	118	0.6	6.36	0.8	61	27	44	58	0.6	1.7	0.7	2.58	8	2.5	1.8
C107087	<0.2	10.9	132	0.6	7.83	0.5	53	41	35	75	0.5	1.8	0.7	3.00	7	2.8	1.9
C107088	<0.2	12.1	92	0.4	8.85	0.7	34	52	37	54	<0.2	1.7	0.7	3.19	7	2.8	1.9
C107089	<0.2	0.23	18	<0.2	31.6	0.2	<1	<1	24	1	0.3	1.8	<0.2	0.18	<1	<0.5	<0.5
C107090	<0.2	12.5	128	0.5	9.55	0.3	49	52	47	6	<0.2	2.0	0.9	3.81	7	3.3	2.0
C107091	<0.2	13.1	1010	2.4	8.37	0.2	81	28	50	3	<0.2	2.3	1.5	7.74	16	4.3	2.7
C107092	<0.2	13.6	986	2.5	8.66	0.4	81	41	55	12	<0.2	2.2	1.6	7.13	17	4.2	2.7
C107093	0.2	14.1	952	2.6	6.33	0.4	93	34	64	3	<0.2	2.1	1.6	7.43	18	4.7	2.8
C107094	<0.2	15.3	943	2.9	6.90	0.5	103	41	62	34	0.3	2.3	1.8	6.69	18	5.0	3.2
C107095	5.7	11.0	529	1.8	7.71	<0.2	84	75	63	10	0.7	2.5	1.8	7.90	13	5.4	2.7
C107096	<0.2	14.4	704	2.6	6.56	0.3	91	41	55	23	0.5	2.3	1.5	6.14	17	4.4	2.5
C107099	<0.2	15.2	618	3.1	3.25	0.5	94	33	64	7	1.3	2.0	1.4	6.55	20	4.3	3.0
C107101	0.3	12.8	346	2.1	7.95	<0.2	97	66	55	7	0.7	2.6	1.7	7.53	18	5.3	2.6
C107104	<0.2	14.2	382	2.4	6.38	0.4	103	23	60	13	1.1	2.2	1.7	4.47	18	4.7	2.1
C107106	<0.2	14.9	376	2.2	4.85	0.4	96	88	63	20	0.9	1.7	1.6	5.02	20	4.4	2.5
C107107	<0.2	15.0	347	2.2	6.17	0.5	101	57	66	8	0.8	2.0	1.7	5.86	20	4.5	2.6
C107099 R	<0.2	15.5	626	3.1	3.36	0.4	96	33	66	6	1.4	2.0	1.4	6.69	20	4.2	2.6

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	<0.2	17.9	2360	1.7	4.79	0.5	160	18	126	4	3.3	2.7	2.4	7.42	19	6.4	3.4
C107108	0.2	14.4	368	2.1	5.24	0.3	65	63	60	17	0.8	1.8	1.2	4.93	20	3.4	2.5
C107109	<0.2	15.1	391	2.2	5.73	0.5	109	42	54	4	1.3	2.0	1.9	4.95	21	5.2	2.4
C107110	<0.2	15.1	392	2.1	5.56	0.6	114	33	62	9	1.2	2.0	1.9	4.73	21	5.0	2.3
C107111	<0.2	15.7	154	0.8	8.37	0.8	27	12	59	2	0.4	2.0	0.9	3.79	13	2.5	2.4
C107113	0.4	15.0	421	2.3	3.13	<0.2	80	95	78	19	2.7	2.5	1.7	10.3	20	5.5	3.8
C107114	<0.2	14.8	501	2.1	4.22	0.4	94	16	76	78	0.9	2.3	1.6	10.7	20	4.4	3.4
C107116	<0.2	0.16	15	<0.2	32.3	<0.2	<1	<1	29	<1	0.3	1.8	<0.2	0.14	<1	<0.5	<0.5
C107117	<0.2	14.3	372	1.9	3.93	0.2	106	15	69	19	1.3	2.1	1.7	10.2	20	5.2	2.9
C107118	<0.2	14.1	376	1.9	5.37	0.3	92	8	74	4	0.8	2.2	1.6	10.8	19	4.9	3.4
C107119	<0.2	14.6	587	1.8	3.54	0.2	87	41	76	23	1.4	1.9	1.6	11.0	20	4.6	3.2
C107120	0.7	13.9	521	1.3	1.67	<0.2	56	177	123	108	1.2	1.8	1.3	9.05	18	3.9	2.7
C107123	0.2	15.9	613	2.3	3.32	0.5	91	8	67	22	1.8	2.2	1.5	8.48	21	4.7	2.9
C107124	0.2	15.2	574	2.0	4.84	0.3	34	25	79	51	0.9	2.1	0.9	6.61	18	3.1	2.8
C107119 R	<0.2	14.3	574	1.8	3.45	0.2	87	40	79	24	1.5	2.1	1.6	10.7	20	4.8	3.5

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Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.2	3.05	83	27	2.71	0.074	1	3.17	8	63	24	0.670	17	16	11	9.2	<1
C107061	1.0	6.04	45	12	1.47	0.079	11	0.13	11	35	42	0.140	4	8	13	6.5	<1
C107062	0.4	0.049	4	6	4.31	0.293	4	7.11	<1	4	37	0.182	4	<1	9	0.7	<1
C107064	0.4	0.090	14	15	4.11	0.238	1	7.10	1	11	49	0.225	5	2	8	1.9	<1
C107065	<0.4	0.027	1	1	18.8	0.011	<1	0.02	<1	1	3	0.095	1	2	<1	<0.5	<1
C107066	1.2	0.152	109	11	8.38	0.893	154	2.00	18	60	116	0.864	14	16	4	10.8	<1
C107068	0.4	0.033	3	12	4.37	0.307	2	8.05	<1	3	106	0.221	7	<1	8	0.6	<1
C107069	0.5	0.035	2	10	5.18	0.342	7	6.57	<1	4	132	0.215	10	<1	9	0.9	<1
C107070	0.8	5.64	59	20	3.77	0.418	5	0.11	7	36	37	0.223	1	9	11	6.6	<1
C107071	0.8	4.99	50	18	4.68	0.500	5	0.07	4	31	31	0.195	3	8	10	5.9	<1
C107073	0.7	5.63	66	17	4.38	0.344	9	0.79	3	43	30	0.224	1	11	12	7.3	<1
C107074	0.8	5.75	63	17	3.96	0.343	2	0.35	3	40	33	0.207	1	10	11	7.2	<1
C107075	0.7	4.90	43	26	3.75	0.264	2	0.04	4	28	32	0.214	2	7	9	5.2	<1
C107076	0.9	2.74	41	41	0.861	0.128	2	0.02	3	31	22	0.276	5	7	8	5.7	<1
C107077	0.7	2.58	37	42	1.32	0.202	<1	0.11	6	29	35	0.272	7	7	8	5.5	<1
C107078	0.8	2.05	32	41	0.853	0.355	5	0.02	1	25	30	0.301	7	6	8	4.7	<1
C107079	0.8	5.35	56	20	3.61	0.449	1	0.05	6	34	33	0.214	4	8	10	6.2	<1
C107080	0.8	5.48	60	19	3.57	0.486	<1	0.06	7	37	29	0.211	5	10	10	6.7	<1
C107082	0.8	5.02	56	17	4.23	0.515	1	0.40	5	35	26	0.211	3	9	10	6.0	<1
C107083	0.7	5.33	61	22	4.88	0.487	9	0.21	6	39	28	0.213	3	10	11	6.8	<1
CG515/LS4/BH	1.1	3.05	82	27	2.79	0.077	1	3.21	8	63	25	0.669	17	15	12	9.1	<1
C107084	0.4	2.00	17	10	5.62	0.362	1	3.45	<1	11	15	0.194	<1	2	6	1.9	<1
C107085	0.5	0.451	9	3	6.58	0.444	13	6.28	<1	8	14	0.186	2	2	6	1.4	<1
C107086	0.4	1.15	42	6	3.86	0.240	5	5.38	1	20	16	0.191	5	5	6	2.8	<1
C107087	0.6	1.22	36	8	4.75	0.303	2	4.13	1	18	23	0.173	9	5	6	3.1	<1
C107088	0.4	0.775	19	3	5.02	0.331	1	5.77	<1	16	13	0.183	2	4	6	2.9	<1
C107089	<0.4	0.034	2	1	21.0	0.017	<1	0.02	1	1	3	0.081	1	2	<1	<0.5	<1
C107090	0.4	0.976	28	4	5.56	0.387	8	5.58	<1	21	17	0.186	1	5	7	3.7	<1
C107091	0.7	4.91	49	18	4.74	0.598	<1	0.08	6	31	30	0.199	2	8	9	5.6	<1
C107092	0.8	5.02	50	17	4.78	0.637	<1	0.11	5	31	32	0.206	2	7	10	5.6	<1
C107093	0.7	5.00	57	22	4.13	0.468	<1	0.16	5	35	32	0.212	3	8	10	6.5	<1
C107094	0.9	5.57	63	22	4.28	0.499	<1	0.14	7	39	32	0.231	4	10	10	7.1	<1
C107095	0.7	3.26	50	33	6.04	0.511	36	0.05	2	34	42	0.219	11	8	7	6.7	<1
C107096	0.8	4.75	54	26	4.85	0.421	<1	0.55	5	35	28	0.212	3	9	10	6.2	<1
C107099	0.8	5.21	56	26	3.47	0.200	<1	0.05	5	35	41	0.229	3	9	11	6.3	<1
C107101	0.8	4.07	56	31	6.08	0.470	88	0.09	5	38	40	0.209	7	9	9	6.8	<1
C107104	0.6	5.36	61	16	4.15	0.340	8	0.05	3	39	39	0.197	5	10	10	6.9	<1
C107106	0.5	5.58	55	14	3.28	0.268	25	0.06	3	37	48	0.201	4	9	10	6.8	<1
C107107	0.6	5.39	59	20	4.42	0.306	7	0.09	1	38	47	0.211	2	9	11	6.7	<1
C107099 R	0.7	5.28	56	26	3.54	0.205	<1	0.05	6	36	41	0.230	3	9	11	6.3	<1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.3	3.15	84	28	2.98	0.079	1	3.31	8	65	25	0.682	16	16	11	9.4	<1
C107108	0.6	5.43	37	14	3.56	0.283	29	0.06	3	25	45	0.204	4	6	10	4.6	<1
C107109	0.8	5.76	62	14	3.69	0.294	9	0.07	3	40	41	0.214	2	10	11	7.4	<1
C107110	0.5	5.76	66	15	3.77	0.273	59	0.06	2	42	35	0.206	2	11	11	7.4	<1
C107111	0.6	2.69	17	8	5.05	0.322	249	5.19	3	11	21	0.212	2	2	10	2.0	<1
C107113	1.0	6.22	44	26	2.77	0.190	5	0.05	8	33	87	0.244	14	7	12	6.8	<1
C107114	0.8	6.55	53	23	3.52	0.239	2	0.04	8	35	75	0.252	6	8	11	6.1	<1
C107116	<0.4	0.043	1	1	22.1	0.014	<1	<0.01	1	<1	2	0.079	1	1	<1	<0.5	<1
C107117	0.9	6.17	62	23	3.41	0.225	3	0.04	6	40	42	0.235	3	10	10	7.2	<1
C107118	0.9	5.78	55	17	3.36	0.352	3	0.04	6	35	39	0.236	3	8	10	6.4	<1
C107119	0.7	6.72	49	11	2.94	0.197	4	0.05	7	34	26	0.242	3	8	10	6.5	<1
C107120	0.7	5.28	28	14	2.42	0.174	24	0.04	7	25	61	0.203	5	4	20	4.9	<1
C107123	0.8	6.59	49	15	2.68	0.190	1	0.04	7	36	34	0.235	3	8	11	6.7	<1
C107124	0.8	6.35	19	16	3.55	0.288	1	0.05	6	15	40	0.207	6	3	10	3.3	<1
C107119 R	0.8	6.62	49	11	2.88	0.193	5	0.05	7	34	25	0.234	2	8	10	6.6	<1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1140	1	<0.3	14	1.00	2	123	1	21	1.8	92	144
C107061	15	<1	<0.3	16	0.686	12	97	5	17	2.0	25	87
C107062	39	<1	<0.3	12	0.111	4	33	3	9	1.3	22	60
C107064	33	<1	<0.3	13	0.153	15	48	1	11	1.5	51	67
C107065	108	3	0.3	2	<0.001	4	2	<1	3	0.1	<1	<1
C107066	73	3	1.5	9	0.099	37	165	1	28	3.1	35	15
C107068	46	<1	<0.3	14	0.123	11	25	<1	12	1.6	44	71
C107069	45	<1	<0.3	14	0.099	27	36	<1	13	1.7	34	65
C107070	33	<1	<0.3	15	0.404	14	84	7	17	2.0	11	70
C107071	36	<1	<0.3	14	0.310	28	76	4	18	2.0	10	61
C107073	27	<1	<0.3	16	0.270	17	98	5	15	1.9	8	76
C107074	27	<1	<0.3	15	0.287	7	89	4	18	2.0	7	72
C107075	25	1	<0.3	14	0.368	3	74	4	15	1.6	18	27
C107076	14	<1	<0.3	13	0.329	5	60	<1	19	2.2	13	49
C107077	47	<1	<0.3	15	0.391	7	72	<1	19	2.1	20	52
C107078	52	<1	<0.3	13	0.300	8	60	2	21	2.3	20	36
C107079	28	1	<0.3	14	0.401	32	81	2	17	2.0	11	66
C107080	31	1	<0.3	15	0.426	47	85	4	18	2.0	10	70
C107082	33	<1	<0.3	15	0.345	39	83	4	19	2.0	11	66
C107083	32	<1	<0.3	15	0.364	34	93	2	20	2.3	16	72
CG515/LS4/BH	1170	<1	<0.3	14	0.989	<2	127	1	20	1.8	85	148
C107084	35	<1	<0.3	14	0.168	9	27	<1	13	1.4	14	64
C107085	48	<1	<0.3	12	0.113	4	23	2	13	1.5	9	60
C107086	33	<1	<0.3	14	0.207	31	32	<1	12	1.4	12	66
C107087	36	<1	<0.3	12	0.213	122	38	3	13	1.6	11	57
C107088	41	1	<0.3	13	0.141	24	30	1	12	1.4	8	55
C107089	120	1	0.3	3	<0.001	4	1	1	3	0.1	<1	<1
C107090	45	<1	<0.3	13	0.192	6	29	3	13	1.5	8	63
C107091	39	<1	<0.3	15	0.374	10	74	3	15	1.8	13	56
C107092	37	<1	<0.3	15	0.377	13	80	4	16	1.9	13	61
C107093	25	<1	<0.3	15	0.361	12	84	4	15	1.8	17	63
C107094	30	<1	<0.3	16	0.415	24	89	4	17	2.0	14	69
C107095	25	1	0.3	14	0.235	135	60	3	18	2.0	27	51
C107096	24	<1	<0.3	15	0.356	24	83	2	16	1.9	15	64
C107099	14	<1	<0.3	15	0.382	27	93	3	16	2.0	22	73
C107101	27	<1	<0.3	15	0.316	58	106	4	19	2.3	24	65
C107104	26	<1	<0.3	14	0.278	26	82	5	17	2.0	9	69
C107106	18	<1	<0.3	13	0.236	35	87	4	13	1.7	9	71
C107107	22	<1	<0.3	15	0.240	17	87	2	15	1.8	14	69
C107099 R	14	<1	<0.3	16	0.391	27	94	4	15	2.0	22	73

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1200	<1	<0.3	15	1.00	<2	137	<1	21	1.9	90	145
C107108	20	<1	<0.3	11	0.241	24	88	3	13	1.7	10	67
C107109	20	<1	<0.3	15	0.268	8	93	5	16	1.9	8	75
C107110	20	<1	<0.3	14	0.246	8	99	7	15	1.8	8	72
C107111	35	<1	<0.3	15	0.212	29	77	9	14	1.8	6	76
C107113	17	<1	<0.3	16	0.461	110	92	6	20	2.5	20	71
C107114	20	<1	<0.3	16	0.483	26	93	7	16	2.2	25	73
C107116	115	1	0.4	3	<0.001	6	1	<1	3	0.1	<1	<1
C107117	19	<1	<0.3	15	0.418	10	89	4	15	1.9	22	61
C107118	20	1	<0.3	15	0.421	3	89	4	18	2.1	18	71
C107119	25	<1	<0.3	14	0.458	4	88	5	16	2.0	22	73
C107120	14	<1	<0.3	7	0.542	4	262	1	13	1.9	29	62
C107123	21	<1	<0.3	17	0.441	3	94	9	17	2.3	16	82
C107124	23	<1	<0.3	14	0.403	4	83	9	17	2.2	17	81
C107119 R	24	<1	<0.3	15	0.445	3	87	4	16	2.1	20	69

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Reviewed by: Chelsey Schneider

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 4

Report No: 06-1687
Date: December 05, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	11.9	0.4	38.1	49.1	<0.2	<0.2	12.5	48.2	22.2	<0.2	<0.2	<0.2	35.3	99.6	201
C107047	0.5	3.6	<0.2	10.8	3100	0.4	<0.2	1.0	2.8	5.70	<0.2	<0.2	<0.2	1.8	3.4	21.1
C107051	0.8	32.8	12.8	22.9	203	<0.2	0.2	11.0	18.5	95.6	<0.2	<0.2	<0.2	6.6	3.7	3.0
C107047 R	0.4	3.7	<0.2	11.3	3130	0.6	<0.2	0.9	2.8	5.76	<0.2	<0.2	<0.2	1.8	3.3	20.7

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 8:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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PO #/Project:
Samples: 4

Report No: 06-1687
Date: December 05, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Report No: 06-1687

PO #/Project: Date: December 05, 2006

Samples: 4

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.7	2390	1.9	4.91	1.0	164	17	120	5	3.2	2.5	2.7	7.53	24	5.8	4.3
C107047	0.9	0.51	35	<0.2	7.47	<0.2	4	10	148	3200	<0.2	1.3	0.8	3.45	3	2.4	1.2
C107051	9.7	0.96	15	0.3	1.07	<0.2	11	24	176	210	0.3	0.5	0.4	6.03	5	<0.5	2.1
C107047 R	0.9	0.50	33	<0.2	7.52	<0.2	4	11	149	3220	<0.2	1.3	0.8	3.45	2	3.0	1.3

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ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.15	87	29	2.81	0.075	1	3.20	9	66	21	0.680	18	17	12	8.8	2
C107047	<0.4	0.096	1	8	3.94	0.358	1	0.06	<1	5	4	0.208	23	1	<1	2.6	<1
C107051	<0.4	0.112	6	12	0.170	0.024	14	0.01	<1	5	19	0.165	104	1	<1	1.3	<1
C107047 R	<0.4	0.095	1	9	3.99	0.362	1	0.06	<1	5	4	0.204	25	1	<1	2.8	<1

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1190	1	<0.3	11	1.05	<2	140	<1	22	1.9	93	141
C107047	21	2	0.7	1	0.002	2	6	<1	14	0.7	109	4
C107051	12	1	0.4	1	0.008	7	7	<1	4	0.5	23	10
C107047 R	20	2	0.8	1	<0.001	2	5	<1	14	0.7	109	3

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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September 27, 2006

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Reviewed by: Chelsey Schneider

Chelsey Schneider

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SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 4

Report No: 06-1687
Date: December 05, 2006

1CP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Report No: 06-1687
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ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Report No: 06-1687
PO #/Project:
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Samples: 4

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.7	2390	1.9	4.91	1.0	164	17	120	5	3.2	2.5	2.7	7.53	24	5.8	4.3
C107047	0.9	0.51	35	<0.2	7.47	<0.2	4	10	148	3200	<0.2	1.3	0.8	3.45	3	2.4	1.2
C107051	9.7	0.96	15	0.3	1.07	<0.2	11	24	176	210	0.3	0.5	0.4	6.03	5	<0.5	2.1
C107047 R	0.9	0.50	33	<0.2	7.52	<0.2	4	11	149	3220	<0.2	1.3	0.8	3.45	2	3.0	1.3

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ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.15	87	29	2.81	0.075	1	3.20	9	66	21	0.680	18	17	12	8.8	2
C107047	<0.4	0.096	1	8	3.94	0.358	1	0.06	<1	5	4	0.208	23	1	<1	2.6	<1
C107051	<0.4	0.112	6	12	0.170	0.024	14	0.01	<1	5	19	0.165	104	1	<1	1.3	<1
C107047 R	<0.4	0.095	1	9	3.99	0.362	1	0.06	<1	5	4	0.204	25	1	<1	2.8	<1

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1190	1	<0.3	11	1.05	<2	140	<1	22	1.9	93	141
C107047	21	2	0.7	1	0.002	2	6	<1	14	0.7	109	4
C107051	12	1	0.4	1	0.008	7	7	<1	4	0.5	23	10
C107047 R	20	2	0.8	1	<0.001	2	5	<1	14	0.7	109	3

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Report No: 06-1687
Date: December 05, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	11.9	0.4	38.1	49.1	<0.2	<0.2	12.5	48.2	22.2	<0.2	<0.2	<0.2	35.3	99.6	201
C107047	0.5	3.6	<0.2	10.8	3100	0.4	<0.2	1.0	2.8	5.70	<0.2	<0.2	<0.2	1.8	3.4	21.1
C107051	0.8	32.8	12.8	22.9	203	<0.2	0.2	11.0	18.5	95.6	<0.2	<0.2	<0.2	6.6	3.7	3.0
C107047 R	0.4	3.7	<0.2	11.3	3130	0.6	<0.2	0.9	2.8	5.76	<0.2	<0.2	<0.2	1.8	3.3	20.7

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 8:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	13.3	0.6	38.4	50.9	<0.2	<0.2	13.8	48.0	21.8	<0.2	<0.2	<0.2	35.9	104	200
C107126	1.0	7.0	<0.2	42.8	550	1.1	<0.2	230	9.1	5.09	<0.2	3.5	<0.2	32.3	5.2	<0.1
C107127	<0.1	3.3	0.2	13.0	11.3	<0.2	<0.2	3.4	18.7	1.17	<0.2	<0.2	<0.2	3.9	6.6	<0.1
C107128	<0.1	5.1	0.2	18.3	23.1	<0.2	<0.2	2.3	23.3	1.85	<0.2	<0.2	<0.2	10.2	6.8	<0.1
C107131	<0.1	5.2	0.2	23.9	5.4	<0.2	<0.2	1.5	10.4	1.82	<0.2	<0.2	<0.2	13.8	7.0	<0.1
C107132	1.1	6.8	<0.2	4.7	130	<0.2	<0.2	5.8	6.7	1.03	<0.2	<0.2	<0.2	16.5	9.0	<0.1
C107133	<0.1	3.2	2.3	0.3	3.0	2.7	<0.2	<0.1	<0.1	0.25	31.8	<0.2	0.8	<0.5	1.8	<0.1
C107127 R	<0.1	3.5	0.2	12.9	11.3	<0.2	<0.2	3.2	18.5	1.20	<0.2	<0.2	<0.2	4.1	6.7	<0.1

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 8:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

SRC Geoanalytical Laboratories

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Date: December 12, 2006
Samples: 8

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.7	2350	1.7	4.77	0.5	156	17	124	4	3.3	2.7	2.4	7.51	19	6.5	3.8
C107126	1.1	12.8	415	1.5	7.35	0.4	81	49	65	559	0.4	2.7	1.6	5.34	13	5.3	2.8
C107127	0.2	14.0	361	1.9	3.11	<0.2	50	18	87	11	1.2	1.7	1.1	9.93	20	3.5	3.0
C107128	<0.2	13.2	412	1.8	1.54	<0.2	48	23	96	24	1.3	1.5	1.0	9.77	16	3.3	3.1
C107131	<0.2	13.1	843	1.7	4.84	<0.2	47	26	75	6	0.8	2.0	1.2	10.3	18	3.5	3.5
C107132	1.3	14.6	531	1.9	5.84	0.4	83	8	79	134	0.9	2.2	1.5	9.66	19	4.7	3.4
C107133	<0.2	0.33	13	<0.2	30.1	0.2	<1	1	33	1	0.4	1.7	<0.2	0.26	<1	<0.5	<0.5
C107127 R	<0.2	13.9	359	1.9	3.13	<0.2	53	18	84	11	1.1	1.8	1.1	9.90	20	3.6	2.9

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ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.17	83	29	2.94	0.079	2	3.38	8	64	24	0.673	18	16	11	9.4	1
C107126	0.9	5.34	45	15	4.27	0.556	249	0.04	4	32	36	0.226	14	8	10	6.2	<1
C107127	0.6	5.65	29	18	2.76	0.181	4	0.04	8	21	73	0.236	3	4	10	4.2	<1
C107128	0.7	5.32	26	18	2.00	0.088	3	0.04	6	19	75	0.226	3	4	7	4.0	<1
C107131	0.7	5.65	27	13	3.81	0.282	2	0.04	4	20	37	0.218	5	4	9	4.2	<1
C107132	0.8	5.93	48	15	4.38	0.343	7	0.03	6	32	33	0.238	5	8	11	6.1	<1
C107133	<0.4	0.063	1	1	20.6	0.018	<1	0.01	1	1	4	0.088	1	2	<1	<0.5	<1
C107127 R	0.8	5.65	30	17	2.79	0.179	4	0.04	7	22	73	0.231	2	5	10	4.4	<1

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1220	<1	<0.3	14	1.01	2	134	1	21	1.9	89	145
C107126	29	<1	<0.3	14	0.310	33	77	3	21	2.3	26	65
C107127	14	<1	<0.3	12	0.445	4	91	5	14	1.9	23	63
C107128	14	<1	<0.3	11	0.411	11	72	5	13	1.7	25	64
C107131	28	<1	<0.3	14	0.357	14	77	6	15	2.0	26	63
C107132	29	<1	<0.3	15	0.403	17	87	7	18	2.1	30	69
C107133	95	2	<0.3	3	<0.001	5	5	3	4	0.2	<1	<1
C107127 R	14	1	<0.3	12	0.454	6	92	6	14	1.9	22	62

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Report No: 06-1600
PO #/Project: YUP (Bonnie)
Date: December 12, 2006
Samples: 4

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.2	13.4	0.5	41.9	48.4	<0.2	0.2	11.0	48.3	22.4	<0.2	<0.2	<0.2	34.7	97.7	202
C107129	<0.1	7.0	<0.2	32.0	14.3	0.4	<0.2	1.9	40.8	5.21	<0.2	<0.2	<0.2	105	6.7	7.2
C107130	0.1	6.4	<0.2	37.5	23.9	0.4	<0.2	4.8	63.7	5.63	<0.2	<0.2	<0.2	121	6.3	6.7
C107129 R	<0.1	6.9	0.3	29.6	14.3	0.4	<0.2	2.0	40.6	5.15	<0.2	<0.2	<0.2	103	6.4	6.9

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 8:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

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Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project: YUP (Bonnie)
Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

SRC Geoanalytical Laboratories

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Date: December 12, 2006
Samples: 4

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	0.3	17.7	2360	2.2	4.98	1.0	164	19	129	4	3.1	2.6	2.7	7.38	22	5.8	4.4
C107129	0.6	14.0	587	2.7	0.46	0.3	66	43	105	19	2.9	2.1	1.7	10.8	22	3.9	3.2
C107130	0.8	17.3	544	3.8	0.42	0.5	72	58	103	35	2.9	2.3	1.8	10.9	29	4.1	3.5
C107129 R	0.3	14.1	596	2.7	0.46	0.4	66	43	108	21	2.9	2.2	1.7	10.9	22	3.9	3.4

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
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Attention:
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1600
PO #/Project: YUP (Bonnie)
Date: December 12, 2006
Samples: 4

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	0.9	3.23	93	33	3.00	0.074	1	3.31	9	68	25	0.683	17	17	13	9.3	2
C107129	0.7	5.36	36	20	1.56	0.021	3	0.04	8	27	99	0.220	6	5	12	4.8	2
C107130	0.8	6.73	41	25	1.84	0.017	6	0.04	11	29	146	0.254	6	5	16	5.2	2
C107129 R	0.7	5.44	37	20	1.58	0.021	3	0.04	7	27	101	0.220	6	5	12	4.8	2

SRC Geoanalytical Laboratories

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Report No: 06-1600
PO #/Project: YUP (Bonnie)
Date: December 12, 2006
Samples: 4

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1210	<1	0.6	14	1.08	4	136	<1	22	2.1	85	154
C107129	12	<1	1.1	14	0.530	110	96	4	19	2.4	23	77
C107130	11	<1	0.8	18	0.637	127	119	4	19	2.5	24	88
C107129 R	11	<1	1.0	14	0.520	107	97	3	20	2.4	21	77

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

SRC Geoanalytical Laboratories
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM	<0.1	11.6	0.7	39.3	47.5	<0.2	<0.2	12.5	47.8	23.1	<0.2	<0.2	<0.2	35.2	95.9	205
C107061	0.1	43.1	0.4	38.7	77.5	<0.2	<0.2	9.4	32.1	1.69	<0.2	<0.2	0.2	12.3	5.8	5.1
C107062	<0.1	7.9	0.9	64.0	1.8	<0.2	<0.2	5.4	32.2	1.98	<0.2	0.3	<0.2	4.5	23.6	5.2
C107064	<0.1	12.1	0.7	73.0	2.9	<0.2	<0.2	2.5	41.6	3.19	<0.2	<0.2	<0.2	14.7	35.1	10.6
C107065	<0.1	3.8	2.5	0.5	1.4	3.1	<0.2	<0.1	<0.1	0.34	22.9	<0.2	0.6	<0.5	1.3	0.7
C107066	1.3	66.6	3.4	170	70.8	<0.2	<0.2	153	81.6	10.1	8.3	6.5	3.2	36.4	102	7.7
C107068	<0.1	19.3	0.8	228	6.6	<0.2	<0.2	2.8	99.7	3.95	<0.2	<0.2	<0.2	10.8	18.9	8.4
C107069	0.1	27.0	0.9	271	14.7	<0.2	<0.2	7.8	120	8.11	1.3	0.5	<0.2	25.3	32.2	6.1
C107070	<0.1	3.1	0.5	71.6	19.2	0.7	<0.2	5.5	13.6	0.86	<0.2	<0.2	0.2	13.5	5.5	4.5
C107071	<0.1	4.1	0.9	64.0	3.3	1.0	<0.2	4.4	12.4	1.78	<0.2	<0.2	0.6	27.3	4.1	4.2
C107073	<0.1	3.9	1.1	22.2	2.6	0.7	<0.2	8.4	7.8	0.57	<0.2	<0.2	0.8	16.2	6.8	3.3
C107074	<0.1	1.7	0.8	11.2	0.5	0.2	<0.2	3.1	7.0	0.17	0.3	<0.2	<0.2	6.9	6.3	3.4
C107075	<0.1	6.8	0.8	6.1	0.6	0.6	<0.2	1.6	6.6	0.71	<0.2	<0.2	0.2	3.3	5.0	5.0
C107076	<0.1	15.0	<0.2	7.6	131	<0.2	0.5	1.5	9.3	2.53	<0.2	<0.2	2.7	4.4	5.5	3.7
C107077	<0.1	24.5	<0.2	28.3	229	<0.2	<0.2	1.2	25.1	3.19	1.4	<0.2	<0.2	5.9	11.4	6.2
C107078	<0.1	14.3	<0.2	12.2	226	0.5	<0.2	3.9	21.6	2.62	1.0	<0.2	<0.2	7.3	11.6	6.1
C107079	<0.1	14.9	<0.2	12.1	224	0.5	<0.2	4.1	21.6	2.52	1.2	<0.2	0.4	7.6	11.5	3.5
C107080	<0.1	2.9	0.5	29.7	16.7	0.7	<0.2	1.3	13.3	1.57	<0.2	<0.2	<0.2	37.5	4.7	2.6
C107082	<0.1	3.1	0.9	28.1	2.0	1.0	<0.2	2.2	9.1	1.39	<0.2	<0.2	0.5	35.5	4.5	2.5
C107083	<0.1	4.6	1.1	30.0	3.3	0.4	<0.2	8.1	11.0	1.27	<0.2	<0.2	<0.2	31.2	7.3	2.9
CG515/LS4/BH	<0.1	11.2	0.9	39.9	50.9	<0.2	<0.2	12.7	48.4	22.7	<0.2	<0.2	<0.2	35.1	104	199
C107084	<0.1	4.6	1.2	11.0	1.4	0.5	<0.2	2.1	8.8	0.40	0.6	<0.2	<0.2	8.3	5.8	3.3
C107085	<0.1	14.7	1.4	50.0	2.6	<0.2	<0.2	12.6	8.7	0.20	6.6	<0.2	<0.2	4.9	9.7	2.7
C107086	<0.1	28.5	1.5	26.7	57.2	0.4	<0.2	5.0	11.2	3.05	<0.2	<0.2	<0.2	31.7	5.6	3.1
C107087	<0.1	28.2	2.2	40.8	72.7	<0.2	<0.2	2.6	17.4	5.57	0.9	<0.2	<0.2	121	8.0	4.5
C107088	<0.1	93.7	1.0	51.4	52.0	0.7	<0.2	1.5	9.1	1.21	<0.2	<0.2	0.3	22.2	7.2	3.6
C107089	<0.1	3.4	2.4	0.4	1.6	3.2	<0.2	0.1	<0.1	0.30	25.9	0.3	0.8	<0.5	1.1	0.5
C107090	<0.1	7.7	1.0	50.9	5.8	0.7	<0.2	7.9	10.5	0.71	<0.2	<0.2	0.3	5.4	7.1	2.4
C107091	<0.1	1.8	1.1	24.5	3.1	1.0	<0.2	0.8	11.0	0.26	<0.2	<0.2	<0.2	9.7	4.8	4.7
C107092	<0.1	2.3	1.0	37.3	12.1	1.3	<0.2	0.6	12.2	0.67	<0.2	<0.2	0.3	11.1	5.6	4.2
C107093	<0.1	2.1	0.9	32.0	3.1	0.2	<0.2	0.9	13.5	0.26	<0.2	<0.2	<0.2	10.9	6.2	3.1
C107094	<0.1	1.9	0.8	37.8	30.9	0.6	<0.2	0.6	11.5	1.39	<0.2	<0.2	<0.2	22.2	4.7	3.7
C107095	0.1	4.1	1.9	68.3	11.7	0.2	<0.2	29.9	21.6	8.72	<0.2	<0.2	0.3	133	4.3	7.1
C107096	<0.1	2.6	0.6	36.7	22.8	0.2	<0.2	0.6	11.0	1.04	<0.2	<0.2	<0.2	21.2	5.4	4.4
C107099	<0.1	1.7	0.4	31.0	5.3	<0.2	<0.2	0.9	22.1	0.92	<0.2	<0.2	<0.2	25.8	6.3	6.1
C107101	0.2	5.5	1.4	61.1	6.7	<0.2	.1	72.3	22.3	3.89	<0.2	<0.2	<0.2	56.8	10.9	6.3
C107104	<0.1	3.5	0.8	20.5	12.7	0.3	3.	6.4	16.8	2.96	<0.2	<0.2	<0.2	23.3	5.1	2.5
C107106	<0.1	11.6	1.9	84.3	19.5	<0.2	<0.2	21.3	22.3	2.18	<0.2	<0.2	0.6	34.3	4.3	2.1
C107107	<0.1	6.3	1.5	55.8	8.0	<0.2	<0.2	7.9	22.8	0.68	<0.2	<0.2	<0.2	14.9	6.0	3.3
C107099 R	<0.1	1.9	0.5	32.6	4.9	<0.2	<0.2	0.9	21.8	0.87	<0.2	<0.2	<0.2	25.8	6.2	5.8

SRC Geoanalytical Laboratories

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Report No: 06-1512
PO #/Project: Lumina/Bonnie
Date: December 06, 2006
Samples: 55

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM	<0.1	13.3	0.6	38.2	47.6	<0.2	<0.2	13.2	48.5	23.4	<0.2	<0.2	<0.2	35.5	105	208
C107108	<0.1	9.2	1.5	58.1	16.0	<0.2	<0.2	29.4	21.2	1.67	<0.2	0.7	<0.2	23.1	5.7	3.2
C107109	<0.1	4.1	1.0	36.5	4.6	0.2	<0.2	8.9	15.8	0.74	1.6	<0.2	<0.2	7.6	6.5	2.5
C107110	<0.1	6.6	1.2	30.2	9.0	0.3	<0.2	50.3	11.1	0.53	<0.2	1.5	<0.2	7.6	5.5	2.7
C107111	0.1	5.1	2.0	10.7	2.0	0.5	<0.2	235	9.5	1.74	<0.2	2.0	<0.2	29.0	6.1	2.0
C107113	<0.1	26.3	0.7	82.7	18.5	<0.2	<0.2	4.3	36.9	11.1	<0.2	<0.2	<0.2	107	5.7	3.7
C107114	<0.1	3.3	0.6	12.6	74.8	0.2	<0.2	1.9	17.9	3.38	<0.2	<0.2	<0.2	25.4	5.9	3.4
C107116	<0.1	3.2	2.2	0.4	1.5	3.3	<0.2	0.1	<0.1	0.35	25.7	<0.2	1.2	<0.5	1.2	<0.1
C107117	<0.1	2.4	0.4	10.6	19.5	0.5	<0.2	3.1	9.8	1.03	<0.2	<0.2	<0.2	9.2	5.4	5.1
C107118	<0.1	2.5	0.6	5.5	3.2	0.3	<0.2	2.7	5.7	0.55	<0.2	<0.2	<0.2	3.5	5.6	4.0
C107119	<0.1	6.4	0.2	39.3	24.6	<0.2	<0.2	2.8	4.8	0.81	<0.2	<0.2	<0.2	3.7	5.4	6.2
C107120	0.3	31.7	0.7	175	106	<0.2	<0.2	20.5	44.1	2.71	<0.2	<0.2	<0.2	4.9	33.0	7.5
C107123	<0.1	2.6	0.4	5.5	22.5	0.2	<0.2	1.0	4.6	1.20	<0.2	<0.2	<0.2	3.3	5.3	5.5
C107124	0.1	5.7	0.9	20.8	50.3	0.3	<0.2	1.3	10.6	4.59	<0.2	<0.2	<0.2	3.0	4.5	4.5
C107119 R	<0.1	6.2	0.4	39.3	24.0	0.2	<0.2	2.7	4.9	0.86	<0.2	<0.2	<0.2	3.9	5.2	5.7

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM/BL?	<0.1	12.6	0.5	37.2	50.2	<0.2	<0.2	13.8	48.6	21.7	<0.2	<0.2	<0.2	33.4	100	198
C103642	<0.1	30.9	<0.2	123	3250	<0.2	0.2	4.2	119	577	<0.2	<0.2	2.7	7600	16.5	5.5
C103643	0.4	12.3	<0.2	72.4	4500	3.5	<0.2	1.8	47.8	95.9	<0.2	0.8	1.3	1470	8.9	5.7
C107115	0.1	54.7	4.7	207	226	<0.2	<0.2	6.1	78.9	373	<0.2	1.8	1.2	3230	9.5	7.1
C103643 R	0.5	12.6	<0.2	72.5	4310	3.8	<0.2	1.7	46.7	96.9	<0.2	0.9	1.2	1500	8.5	5.8

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
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Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
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Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM	<0.1	12.3	0.5	37.9	51.2	<0.2	<0.2	14.0	49.4	22.2	<0.2	<0.2	<0.2	34.2	101	200
C103644	1.6	116	<0.2	63.1	4790	5.9	1.1	19.0	13.8	70.3	5.5	<0.2	1.0	234	10.1	5.1
C107063	<0.1	13.3	0.4	127	15.8	0.2	<0.2	5.0	46.7	21.2	<0.2	<0.2	<0.2	300	27.6	2.6
C107067	0.4	19.5	1.2	264	92.9	2.9	<0.2	29.1	106	7.20	8.1	<0.2	<0.2	56.7	25.9	4.6
C107072	<0.1	12.1	0.9	115	11.7	3.3	<0.2	14.1	15.8	4.65	2.5	<0.2	<0.2	88.5	6.2	2.3
C107081	<0.1	6.0	0.3	51.1	2.1	3.5	<0.2	1.6	12.0	10.9	3.7	<0.2	<0.2	246	5.3	3.1
C107097	<0.1	4.8	<0.2	43.4	1.5	2.6	<0.2	2.0	19.8	6.09	1.0	<0.2	<0.2	73.6	8.1	2.5
C107098	0.2	3.7	<0.2	47.9	3020	4.9	<0.2	1.9	31.8	3.17	1.4	<0.2	<0.2	62.0	12.2	4.1
C107100	<0.1	6.8	0.6	41.9	15.1	2.8	<0.2	8.2	23.5	16.0	<0.2	0.2	<0.2	225	8.6	2.5
C107102	<0.1	11.6	1.3	58.6	12.6	2.1	<0.2	19.6	28.8	4.42	<0.2	<0.2	0.4	78.7	6.3	2.7
C107103	<0.1	5.1	0.8	24.0	7.0	1.7	<0.2	35.3	16.7	3.43	<0.2	<0.2	0.5	41.2	7.5	3.0
C107105	<0.1	12.1	1.2	68.2	28.4	2.9	<0.2	6.1	25.7	3.31	2.2	1.5	<0.2	78.3	7.6	3.2
C107112	0.1	112	0.6	80.0	384	1.0	<0.2	13.3	39.5	36.2	<0.2	<0.2	<0.2	569	6.7	3.4
C107121	<0.1	7.5	<0.2	44.3	363	<0.2	<0.2	1.4	98.9	0.27	<0.2	<0.2	<0.2	2.6	66.6	3.7
C107122	<0.1	2.8	0.2	6.2	18.4	2.5	<0.2	2.0	4.5	1.27	<0.2	<0.2	<0.2	4.7	5.1	2.1
C107125	<0.1	5.5	<0.2	7.4	214	1.5	<0.2	1.4	8.5	11.9	<0.2	<0.2	0.8	154	6.5	2.4
C107121 R	<0.1	7.2	<0.2	43.0	368	<0.2	<0.2	1.4	99.3	0.25	<0.2	<0.2	<0.2	2.4	67.8	3.5

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 07, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 07, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Attention:
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
PO #/Project: Lumina/Bonnie
Date: December 07, 2006
Samples: 5

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM/BL2a	0.2	17.2	2270	2.1	4.95	0.6	155	17	120	6	3.3	2.4	2.4	7.19	20	5.4	4.2
C103642	0.4	10.8	424	2.7	7.93	<0.2	58	126	87	3300	29.1	9.9	11.0	6.99	14	30.7	<0.5
C103643	1.2	13.7	526	2.5	4.06	0.2	40	75	92	4600	9.2	4.2	3.3	6.55	17	9.1	2.2
C107115	0.3	14.4	480	3.7	2.79	<0.2	45	210	100	230	12.8	4.7	5.2	9.19	20	12.6	2.3
C103643 R	1.0	13.9	535	2.6	4.17	<0.2	38	75	95	4450	9.1	4.3	3.2	6.69	18	9.0	2.8

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Report No: 06-1512

PO #/Project: Lumina/Bonnie

Date: December 07, 2006

Samples: 5

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM/BL2a	1.3	3.06	86	29	2.80	0.076	2	3.26	8	62	25	0.688	17	14	12	8.9	3
C103642	4.0	3.95	17	52	6.16	0.390	4	0.04	7	48	148	0.246	625	10	17	24.2	<1
C103643	1.8	5.42	19	37	3.82	0.201	2	0.04	5	23	83	0.308	151	5	14	8.3	<1
C107115	1.9	6.29	18	39	2.88	0.143	6	0.04	10	31	141	0.244	378	6	17	12.8	1
C103643 R	1.8	5.48	17	36	3.89	0.206	2	0.04	5	21	85	0.315	153	4	14	8.0	<1

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Attention: Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca
Report No: 06-1512
PO #/Project: Lumina/Bonnie Date: December 07, 2006
Samples: 5

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4/BM/BL2a	1200	1	<0.3	12	1.08	<2	122	<1	22	1.9	87	153	0.504
C103642	30	<1	<0.3	20	0.402	7700	67	4	105	8.9	65	91	0.939
C103643	22	<1	<0.3	18	0.461	1500	77	5	43	4.2	77	91	0.181
C107115	17	<1	<0.3	16	0.568	3300	91	12	49	5.3	28	93	0.383
C103643 R	22	<1	<0.3	18	0.456	1520	80	6	43	4.2	77	92	0.183

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standard is BL2a.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
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Samples: 17

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Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
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Samples: 17

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Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	0.2	17.1	2330	2.1	5.04	0.5	158	17	124	5	3.3	2.4	2.4	7.42	20	5.4	4.7
C103644	29.2	12.8	1510	1.8	2.95	0.6	103	66	100	4800	6.4	3.9	3.8	11.8	16	6.3	4.3
C107063	0.3	12.5	15	0.3	6.41	<0.2	3	130	79	19	2.9	2.2	1.3	4.89	12	3.1	2.8
C107067	0.4	11.0	51	0.4	11.6	<0.2	11	285	73	95	0.2	2.1	1.0	8.73	12	1.5	3.9
C107072	<0.2	13.6	814	3.4	7.57	<0.2	30	122	57	13	1.4	2.4	1.1	6.00	19	2.7	3.5
C107081	0.5	12.7	630	3.3	8.63	<0.2	79	51	56	3	1.0	2.6	2.0	6.18	17	4.4	2.7
C107097	0.3	15.4	713	3.8	5.98	0.3	107	46	61	3	2.3	2.5	2.0	7.13	22	4.7	3.5
C107098	0.8	17.9	747	4.3	3.42	0.4	117	52	98	3090	2.1	2.2	1.9	9.34	27	4.2	4.3
C107100	<0.2	13.7	509	3.4	7.30	0.2	87	47	57	18	3.0	3.0	2.1	6.73	20	5.4	3.1
C107102	<0.2	14.4	436	3.2	5.58	0.2	31	60	56	13	1.1	2.1	0.9	5.45	22	2.2	3.3
C107103	<0.2	14.1	384	3.0	4.78	0.3	105	26	65	8	1.7	2.0	1.6	4.16	20	4.2	2.6
C107105	<0.2	12.3	276	2.2	8.23	<0.2	38	70	54	30	0.6	2.0	1.1	5.68	18	2.6	2.6
C107112	0.4	12.6	675	2.0	5.56	<0.2	52	82	71	390	4.1	3.0	2.1	7.59	16	5.3	3.0
C107121	0.8	15.5	404	1.2	3.56	0.3	7	46	170	390	0.8	1.9	1.1	12.9	22	1.0	4.5
C107122	<0.2	13.3	614	2.0	5.71	0.2	79	9	65	20	1.3	2.2	1.4	6.93	17	3.2	3.0
C107125	<0.2	12.1	1000	2.4	4.24	0.4	69	10	70	215	3.4	2.3	1.6	4.07	14	5.2	2.7
C107121 R	0.8	15.4	396	1.3	3.54	0.3	7	50	174	382	1.0	2.0	1.1	12.8	21	1.0	4.4

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
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Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.3	3.01	86	31	2.80	0.077	2	3.23	8	63	26	0.683	20	14	12	9.2	2
C103644	1.6	9.33	67	20	1.85	0.283	29	0.06	9	38	33	0.460	124	8	10	9.0	2
C107063	0.8	0.051	1	7	3.43	0.243	5	7.18	<1	5	49	0.186	22	<1	8	2.6	<1
C107067	0.7	0.035	7	20	6.48	0.466	32	5.90	1	8	117	0.220	11	1	12	1.8	<1
C107072	0.9	5.23	16	20	4.39	0.405	15	0.07	6	14	36	0.210	7	3	12	3.2	<1
C107081	0.9	4.87	49	20	4.28	0.560	<1	0.05	6	31	30	0.198	14	7	11	6.0	<1
C107097	0.9	5.38	66	31	4.77	0.292	<1	0.06	7	42	39	0.236	8	10	13	7.9	<1
C107098	1.0	5.93	72	44	4.67	0.183	1	0.06	5	45	53	0.367	38	10	16	8.0	<1
C107100	1.1	4.81	53	27	5.01	0.395	9	0.05	7	36	42	0.220	21	8	12	7.3	<1
C107102	0.7	5.33	18	19	3.54	0.310	19	0.24	7	13	51	0.213	6	2	12	2.9	<1
C107103	0.7	5.27	64	19	3.27	0.250	42	0.19	5	39	38	0.211	3	9	11	6.7	<1
C107105	0.7	4.68	23	14	4.66	0.400	5	0.06	3	17	51	0.183	5	3	11	3.4	<1
C107112	1.1	5.45	33	21	1.75	0.389	15	0.03	7	23	88	0.234	44	5	14	6.2	<1
C107121	1.1	5.08	5	23	4.94	0.248	<1	0.03	14	7	118	0.223	8	<1	45	2.3	<1
C107122	0.7	5.67	46	13	3.63	0.327	1	0.04	7	31	34	0.198	3	7	10	5.8	<1
C107125	1.0	4.81	37	13	2.94	0.211	1	0.03	5	30	34	0.209	17	6	8	6.2	<1
C107121 R	1.2	5.09	5	23	4.86	0.245	<1	0.03	15	7	118	0.222	7	<1	45	2.1	<1

SRC Geoanalytical Laboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1160	<1	<0.3	14	1.09	4	123	2	22	1.9	89	159
C103644	34	<1	0.7	16	0.434	237	108	20	33	3.6	91	89
C107063	34	<1	<0.3	11	0.114	310	32	3	17	2.2	31	71
C107067	55	<1	<0.3	10	0.115	60	32	5	16	2.0	67	74
C107072	31	<1	<0.3	11	0.383	90	86	5	22	2.4	14	78
C107081	36	<1	<0.3	13	0.390	250	77	3	24	2.3	11	72
C107097	23	1	<0.3	15	0.429	75	98	6	21	2.3	27	72
C107098	13	<1	<0.3	18	0.463	65	128	5	19	2.4	71	98
C107100	25	<1	<0.3	13	0.417	230	88	7	26	2.9	22	81
C107102	23	<1	<0.3	12	0.425	80	97	8	18	2.2	12	86
C107103	20	<1	<0.3	14	0.353	44	90	7	17	2.0	12	84
C107105	27	<1	<0.3	8	0.267	80	70	7	17	2.0	10	76
C107112	17	1	<0.3	12	0.393	570	76	9	28	3.1	27	76
C107121	23	<1	<0.3	<1	1.12	2	469	<1	17	2.5	51	63
C107122	29	<1	<0.3	13	0.397	4	68	9	18	2.1	15	79
C107125	26	<1	<0.3	13	0.417	165	64	5	21	2.3	15	81
C107121 R	23	<1	<0.3	<1	1.13	3	467	<1	17	2.6	51	65

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

SRC Geoanalytical Laboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	<0.2	17.3	2330	1.7	4.64	0.7	156	17	117	5	3.1	2.5	2.4	7.27	19	6.1	4.0
C107061	0.2	18.4	430	3.5	1.53	1.0	87	40	110	85	2.6	2.0	1.1	2.97	20	4.3	2.4
C107062	0.4	12.5	15	0.3	8.25	0.4	5	69	48	2	<0.2	1.5	0.5	5.09	11	1.2	2.0
C107064	<0.2	13.4	19	0.3	6.69	0.2	25	74	53	4	<0.2	1.6	0.8	6.11	14	2.0	2.2
C107065	<0.2	0.21	18	<0.2	29.5	0.2	<1	<1	26	1	0.3	1.6	<0.2	0.15	<1	<0.5	<0.5
C107066	1.5	4.29	29	<0.2	20.4	<0.2	165	192	32	72	<0.2	4.3	4.2	17.2	11	9.2	3.8
C107068	<0.2	14.2	315	0.2	8.30	<0.2	2	231	46	7	<0.2	1.6	0.5	6.22	12	1.4	2.9
C107069	<0.2	11.9	60	0.2	9.33	<0.2	2	278	51	13	<0.2	1.9	0.7	7.94	10	1.9	2.9
C107070	<0.2	14.9	1140	3.0	6.56	0.2	97	83	62	19	0.2	2.3	1.7	7.21	18	4.5	3.0
C107071	<0.2	13.3	852	2.7	8.41	0.2	81	69	69	3	0.2	2.3	1.6	6.34	16	4.4	2.7
C107073	<0.2	16.0	491	2.3	7.24	0.6	114	25	60	3	0.5	2.1	1.7	5.21	20	4.8	2.6
C107074	<0.2	15.6	521	2.3	6.76	0.5	105	16	60	<1	1.2	2.3	1.8	5.43	19	5.1	2.7
C107075	<0.2	12.6	416	2.1	7.78	0.3	72	7	67	1	0.9	2.1	1.3	8.98	16	4.0	2.2
C107076	<0.2	12.0	681	1.8	3.50	0.7	77	9	95	133	2.7	2.3	1.2	2.84	12	4.4	1.3
C107077	<0.2	13.1	683	1.9	8.37	0.6	70	30	72	230	2.3	2.3	1.1	3.68	14	4.5	1.8
C107078	<0.2	11.7	732	1.5	10.1	0.8	59	13	50	230	1.5	2.6	1.0	3.41	12	4.1	1.3
C107079	<0.2	14.3	860	2.7	6.55	0.4	92	31	61	19	<0.2	2.2	2.0	7.12	17	4.3	2.6
C107080	<0.2	14.7	856	2.9	6.87	0.3	99	29	58	3	<0.2	2.2	2.0	6.41	18	4.5	2.6
C107082	<0.2	14.3	614	2.9	7.68	0.7	91	28	63	2	<0.2	2.3	1.5	5.64	17	4.6	2.6
C107083	<0.2	15.2	592	3.2	8.29	0.4	101	32	64	4	0.4	2.6	1.6	6.42	19	4.8	2.5
CG515/LS4/BH	<0.2	17.8	2350	1.7	4.64	0.6	155	18	119	4	3.1	2.5	2.4	7.38	19	6.0	3.5
C107084	<0.2	12.5	154	0.9	9.26	0.5	26	11	43	2	<0.2	1.8	0.6	4.04	7	2.2	2.5
C107085	<0.2	12.0	57	0.3	11.7	0.3	14	51	33	3	<0.2	1.9	0.6	4.50	5	2.4	2.2
C107086	<0.2	13.0	118	0.6	6.36	0.8	61	27	44	58	0.6	1.7	0.7	2.58	8	2.5	1.8
C107087	<0.2	10.9	132	0.6	7.83	0.5	53	41	35	75	0.5	1.8	0.7	3.00	7	2.8	1.9
C107088	<0.2	12.1	92	0.4	8.85	0.7	34	52	37	54	<0.2	1.7	0.7	3.19	7	2.8	1.9
C107089	<0.2	0.23	18	<0.2	31.6	0.2	<1	<1	24	1	0.3	1.8	<0.2	0.18	<1	<0.5	<0.5
C107090	<0.2	12.5	128	0.5	9.55	0.3	49	52	47	6	<0.2	2.0	0.9	3.81	7	3.3	2.0
C107091	<0.2	13.1	1010	2.4	8.37	0.2	81	28	50	3	<0.2	2.3	1.5	7.74	16	4.3	2.7
C107092	<0.2	13.6	986	2.5	8.66	0.4	81	41	55	12	<0.2	2.2	1.6	7.13	17	4.2	2.7
C107093	0.2	14.1	952	2.6	6.33	0.4	93	34	64	3	<0.2	2.1	1.6	7.43	18	4.7	2.8
C107094	<0.2	15.3	943	2.9	6.90	0.5	103	41	62	34	0.3	2.3	1.8	6.69	18	5.0	3.2
C107095	5.7	11.0	529	1.8	7.71	<0.2	84	75	63	10	0.7	2.5	1.8	7.90	13	5.4	2.7
C107096	<0.2	14.4	704	2.6	6.56	0.3	91	41	55	23	0.5	2.3	1.5	6.14	17	4.4	2.5
C107099	<0.2	15.2	618	3.1	3.25	0.5	94	33	64	7	1.3	2.0	1.4	6.55	20	4.3	3.0
C107101	0.3	12.8	346	2.1	7.95	<0.2	97	66	55	7	0.7	2.6	1.7	7.53	18	5.3	2.6
C107104	<0.2	14.2	382	2.4	6.38	0.4	103	23	60	13	1.1	2.2	1.7	4.47	18	4.7	2.1
C107106	<0.2	14.9	376	2.2	4.85	0.4	96	88	63	20	0.9	1.7	1.6	5.02	20	4.4	2.5
C107107	<0.2	15.0	347	2.2	6.17	0.5	101	57	66	8	0.8	2.0	1.7	5.86	20	4.5	2.6
C107099 R	<0.2	15.5	626	3.1	3.36	0.4	96	33	66	6	1.4	2.0	1.4	6.69	20	4.2	2.6

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	<0.2	17.9	2360	1.7	4.79	0.5	160	18	126	4	3.3	2.7	2.4	7.42	19	6.4	3.4
C107108	0.2	14.4	368	2.1	5.24	0.3	65	63	60	17	0.8	1.8	1.2	4.93	20	3.4	2.5
C107109	<0.2	15.1	391	2.2	5.73	0.5	109	42	54	4	1.3	2.0	1.9	4.95	21	5.2	2.4
C107110	<0.2	15.1	392	2.1	5.56	0.6	114	33	62	9	1.2	2.0	1.9	4.73	21	5.0	2.3
C107111	<0.2	15.7	154	0.8	8.37	0.8	27	12	59	2	0.4	2.0	0.9	3.79	13	2.5	2.4
C107113	0.4	15.0	421	2.3	3.13	<0.2	80	95	78	19	2.7	2.5	1.7	10.3	20	5.5	3.8
C107114	<0.2	14.8	501	2.1	4.22	0.4	94	16	76	78	0.9	2.3	1.6	10.7	20	4.4	3.4
C107116	<0.2	0.16	15	<0.2	32.3	<0.2	<1	<1	29	<1	0.3	1.8	<0.2	0.14	<1	<0.5	<0.5
C107117	<0.2	14.3	372	1.9	3.93	0.2	106	15	69	19	1.3	2.1	1.7	10.2	20	5.2	2.9
C107118	<0.2	14.1	376	1.9	5.37	0.3	92	8	74	4	0.8	2.2	1.6	10.8	19	4.9	3.4
C107119	<0.2	14.6	587	1.8	3.54	0.2	87	41	76	23	1.4	1.9	1.6	11.0	20	4.6	3.2
C107120	0.7	13.9	521	1.3	1.67	<0.2	56	177	123	108	1.2	1.8	1.3	9.05	18	3.9	2.7
C107123	0.2	15.9	613	2.3	3.32	0.5	91	8	67	22	1.8	2.2	1.5	8.48	21	4.7	2.9
C107124	0.2	15.2	574	2.0	4.84	0.3	34	25	79	51	0.9	2.1	0.9	6.61	18	3.1	2.8
C107119 R	<0.2	14.3	574	1.8	3.45	0.2	87	40	79	24	1.5	2.1	1.6	10.7	20	4.8	3.5

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Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.2	3.05	83	27	2.71	0.074	1	3.17	8	63	24	0.670	17	16	11	9.2	<1
C107061	1.0	6.04	45	12	1.47	0.079	11	0.13	11	35	42	0.140	4	8	13	6.5	<1
C107062	0.4	0.049	4	6	4.31	0.293	4	7.11	<1	4	37	0.182	4	<1	9	0.7	<1
C107064	0.4	0.090	14	15	4.11	0.238	1	7.10	1	11	49	0.225	5	2	8	1.9	<1
C107065	<0.4	0.027	1	1	18.8	0.011	<1	0.02	<1	1	3	0.095	1	2	<1	<0.5	<1
C107066	1.2	0.152	109	11	8.38	0.893	154	2.00	18	60	116	0.864	14	16	4	10.8	<1
C107068	0.4	0.033	3	12	4.37	0.307	2	8.05	<1	3	106	0.221	7	<1	8	0.6	<1
C107069	0.5	0.035	2	10	5.18	0.342	7	6.57	<1	4	132	0.215	10	<1	9	0.9	<1
C107070	0.8	5.64	59	20	3.77	0.418	5	0.11	7	36	37	0.223	1	9	11	6.6	<1
C107071	0.8	4.99	50	18	4.68	0.500	5	0.07	4	31	31	0.195	3	8	10	5.9	<1
C107073	0.7	5.63	66	17	4.38	0.344	9	0.79	3	43	30	0.224	1	11	12	7.3	<1
C107074	0.8	5.75	63	17	3.96	0.343	2	0.35	3	40	33	0.207	1	10	11	7.2	<1
C107075	0.7	4.90	43	26	3.75	0.264	2	0.04	4	28	32	0.214	2	7	9	5.2	<1
C107076	0.9	2.74	41	41	0.861	0.128	2	0.02	3	31	22	0.276	5	7	8	5.7	<1
C107077	0.7	2.58	37	42	1.32	0.202	<1	0.11	6	29	35	0.272	7	7	8	5.5	<1
C107078	0.8	2.05	32	41	0.853	0.355	5	0.02	1	25	30	0.301	7	6	8	4.7	<1
C107079	0.8	5.35	56	20	3.61	0.449	1	0.05	6	34	33	0.214	4	8	10	6.2	<1
C107080	0.8	5.48	60	19	3.57	0.486	<1	0.06	7	37	29	0.211	5	10	10	6.7	<1
C107082	0.8	5.02	56	17	4.23	0.515	1	0.40	5	35	26	0.211	3	9	10	6.0	<1
C107083	0.7	5.33	61	22	4.88	0.487	9	0.21	6	39	28	0.213	3	10	11	6.8	<1
CG515/LS4/BH	1.1	3.05	82	27	2.79	0.077	1	3.21	8	63	25	0.669	17	15	12	9.1	<1
C107084	0.4	2.00	17	10	5.62	0.362	1	3.45	<1	11	15	0.194	<1	2	6	1.9	<1
C107085	0.5	0.451	9	3	6.58	0.444	13	6.28	<1	8	14	0.186	2	2	6	1.4	<1
C107086	0.4	1.15	42	6	3.86	0.240	5	5.38	1	20	16	0.191	5	5	6	2.8	<1
C107087	0.6	1.22	36	8	4.75	0.303	2	4.13	1	18	23	0.173	9	5	6	3.1	<1
C107088	0.4	0.775	19	3	5.02	0.331	1	5.77	<1	16	13	0.183	2	4	6	2.9	<1
C107089	<0.4	0.034	2	1	21.0	0.017	<1	0.02	1	1	3	0.081	1	2	<1	<0.5	<1
C107090	0.4	0.976	28	4	5.56	0.387	8	5.58	<1	21	17	0.186	1	5	7	3.7	<1
C107091	0.7	4.91	49	18	4.74	0.598	<1	0.08	6	31	30	0.199	2	8	9	5.6	<1
C107092	0.8	5.02	50	17	4.78	0.637	<1	0.11	5	31	32	0.206	2	7	10	5.6	<1
C107093	0.7	5.00	57	22	4.13	0.468	<1	0.16	5	35	32	0.212	3	8	10	6.5	<1
C107094	0.9	5.57	63	22	4.28	0.499	<1	0.14	7	39	32	0.231	4	10	10	7.1	<1
C107095	0.7	3.26	50	33	6.04	0.511	36	0.05	2	34	42	0.219	11	8	7	6.7	<1
C107096	0.8	4.75	54	26	4.85	0.421	<1	0.55	5	35	28	0.212	3	9	10	6.2	<1
C107099	0.8	5.21	56	26	3.47	0.200	<1	0.05	5	35	41	0.229	3	9	11	6.3	<1
C107101	0.8	4.07	56	31	6.08	0.470	88	0.09	5	38	40	0.209	7	9	9	6.8	<1
C107104	0.6	5.36	61	16	4.15	0.340	8	0.05	3	39	39	0.197	5	10	10	6.9	<1
C107106	0.5	5.58	55	14	3.28	0.268	25	0.06	3	37	48	0.201	4	9	10	6.8	<1
C107107	0.6	5.39	59	20	4.42	0.306	7	0.09	1	38	47	0.211	2	9	11	6.7	<1
C107099 R	0.7	5.28	56	26	3.54	0.205	<1	0.05	6	36	41	0.230	3	9	11	6.3	<1

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Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.3	3.15	84	28	2.98	0.079	1	3.31	8	65	25	0.682	16	16	11	9.4	<1
C107108	0.6	5.43	37	14	3.56	0.283	29	0.06	3	25	45	0.204	4	6	10	4.6	<1
C107109	0.8	5.76	62	14	3.69	0.294	9	0.07	3	40	41	0.214	2	10	11	7.4	<1
C107110	0.5	5.76	66	15	3.77	0.273	59	0.06	2	42	35	0.206	2	11	11	7.4	<1
C107111	0.6	2.69	17	8	5.05	0.322	249	5.19	3	11	21	0.212	2	2	10	2.0	<1
C107113	1.0	6.22	44	26	2.77	0.190	5	0.05	8	33	87	0.244	14	7	12	6.8	<1
C107114	0.8	6.55	53	23	3.52	0.239	2	0.04	8	35	75	0.252	6	8	11	6.1	<1
C107116	<0.4	0.043	1	1	22.1	0.014	<1	<0.01	1	<1	2	0.079	1	1	<1	<0.5	<1
C107117	0.9	6.17	62	23	3.41	0.225	3	0.04	6	40	42	0.235	3	10	10	7.2	<1
C107118	0.9	5.78	55	17	3.36	0.352	3	0.04	6	35	39	0.236	3	8	10	6.4	<1
C107119	0.7	6.72	49	11	2.94	0.197	4	0.05	7	34	26	0.242	3	8	10	6.5	<1
C107120	0.7	5.28	28	14	2.42	0.174	24	0.04	7	25	61	0.203	5	4	20	4.9	<1
C107123	0.8	6.59	49	15	2.68	0.190	1	0.04	7	36	34	0.235	3	8	11	6.7	<1
C107124	0.8	6.35	19	16	3.55	0.288	1	0.05	6	15	40	0.207	6	3	10	3.3	<1
C107119 R	0.8	6.62	49	11	2.88	0.193	5	0.05	7	34	25	0.234	2	8	10	6.6	<1

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Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1140	1	<0.3	14	1.00	2	123	1	21	1.8	92	144
C107061	15	<1	<0.3	16	0.686	12	97	5	17	2.0	25	87
C107062	39	<1	<0.3	12	0.111	4	33	3	9	1.3	22	60
C107064	33	<1	<0.3	13	0.153	15	48	1	11	1.5	51	67
C107065	108	3	0.3	2	<0.001	4	2	<1	3	0.1	<1	<1
C107066	73	3	1.5	9	0.099	37	165	1	28	3.1	35	15
C107068	46	<1	<0.3	14	0.123	11	25	<1	12	1.6	44	71
C107069	45	<1	<0.3	14	0.099	27	36	<1	13	1.7	34	65
C107070	33	<1	<0.3	15	0.404	14	84	7	17	2.0	11	70
C107071	36	<1	<0.3	14	0.310	28	76	4	18	2.0	10	61
C107073	27	<1	<0.3	16	0.270	17	98	5	15	1.9	8	76
C107074	27	<1	<0.3	15	0.287	7	89	4	18	2.0	7	72
C107075	25	1	<0.3	14	0.368	3	74	4	15	1.6	18	27
C107076	14	<1	<0.3	13	0.329	5	60	<1	19	2.2	13	49
C107077	47	<1	<0.3	15	0.391	7	72	<1	19	2.1	20	52
C107078	52	<1	<0.3	13	0.300	8	60	2	21	2.3	20	36
C107079	28	1	<0.3	14	0.401	32	81	2	17	2.0	11	66
C107080	31	1	<0.3	15	0.426	47	85	4	18	2.0	10	70
C107082	33	<1	<0.3	15	0.345	39	83	4	19	2.0	11	66
C107083	32	<1	<0.3	15	0.364	34	93	2	20	2.3	16	72
CG515/LS4/BH	1170	<1	<0.3	14	0.989	<2	127	1	20	1.8	85	148
C107084	35	<1	<0.3	14	0.168	9	27	<1	13	1.4	14	64
C107085	48	<1	<0.3	12	0.113	4	23	2	13	1.5	9	60
C107086	33	<1	<0.3	14	0.207	31	32	<1	12	1.4	12	66
C107087	36	<1	<0.3	12	0.213	122	38	3	13	1.6	11	57
C107088	41	1	<0.3	13	0.141	24	30	1	12	1.4	8	55
C107089	120	1	0.3	3	<0.001	4	1	1	3	0.1	<1	<1
C107090	45	<1	<0.3	13	0.192	6	29	3	13	1.5	8	63
C107091	39	<1	<0.3	15	0.374	10	74	3	15	1.8	13	56
C107092	37	<1	<0.3	15	0.377	13	80	4	16	1.9	13	61
C107093	25	<1	<0.3	15	0.361	12	84	4	15	1.8	17	63
C107094	30	<1	<0.3	16	0.415	24	89	4	17	2.0	14	69
C107095	25	1	0.3	14	0.235	135	60	3	18	2.0	27	51
C107096	24	<1	<0.3	15	0.356	24	83	2	16	1.9	15	64
C107099	14	<1	<0.3	15	0.382	27	93	3	16	2.0	22	73
C107101	27	<1	<0.3	15	0.316	58	106	4	19	2.3	24	65
C107104	26	<1	<0.3	14	0.278	26	82	5	17	2.0	9	69
C107106	18	<1	<0.3	13	0.236	35	87	4	13	1.7	9	71
C107107	22	<1	<0.3	15	0.240	17	87	2	15	1.8	14	69
C107099 R	14	<1	<0.3	16	0.391	27	94	4	15	2.0	22	73

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1200	<1	<0.3	15	1.00	<2	137	<1	21	1.9	90	145
C107108	20	<1	<0.3	11	0.241	24	88	3	13	1.7	10	67
C107109	20	<1	<0.3	15	0.268	8	93	5	16	1.9	8	75
C107110	20	<1	<0.3	14	0.246	8	99	7	15	1.8	8	72
C107111	35	<1	<0.3	15	0.212	29	77	9	14	1.8	6	76
C107113	17	<1	<0.3	16	0.461	110	92	6	20	2.5	20	71
C107114	20	<1	<0.3	16	0.483	26	93	7	16	2.2	25	73
C107116	115	1	0.4	3	<0.001	6	1	<1	3	0.1	<1	<1
C107117	19	<1	<0.3	15	0.418	10	89	4	15	1.9	22	61
C107118	20	1	<0.3	15	0.421	3	89	4	18	2.1	18	71
C107119	25	<1	<0.3	14	0.458	4	88	5	16	2.0	22	73
C107120	14	<1	<0.3	7	0.542	4	262	1	13	1.9	29	62
C107123	21	<1	<0.3	17	0.441	3	94	9	17	2.3	16	82
C107124	23	<1	<0.3	14	0.403	4	83	9	17	2.2	17	81
C107119 R	24	<1	<0.3	15	0.445	3	87	4	16	2.1	20	69

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

SRC Geoanalytic aboratories
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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	12.9	0.6	38.7	48.1	0.3	0.6	11.4	49.8	23.7	0.4	<0.2	<0.2	32.8	97.4	198
C103628	<0.1	10.0	0.4	3.3	2.7	<0.2	<0.2	<0.1	7.0	1.65	<0.2	<0.2	<0.2	0.5	5.9	14.1
C103629	<0.1	3.0	0.6	5.1	10.9	0.2	<0.2	0.5	10.4	1.33	<0.2	<0.2	<0.2	1.8	6.6	14.3
C103631	14.6	11.7	234	83.7	330000	<0.2	5.1	486	18.4	226	<0.2	<0.2	36.0	5.6	15.6	7.7
C103632	0.9	485	2.5	55.6	587	<0.2	<0.2	<0.1	370	11.4	<0.2	<0.2	<0.2	2.5	43.6	114
C103633	0.8	319	0.7	52.9	338	<0.2	<0.2	<0.1	448	42.6	<0.2	<0.2	<0.2	2.8	49.7	132
C103634	1.1	342	0.8	42.6	228	<0.2	<0.2	<0.1	272	17.5	<0.2	<0.2	<0.2	2.8	43.8	155
C103793	3.4	453	9.4	705	357	<0.2	0.3	182	219	25.8	2.2	13.0	<0.2	6.4	19.5	13.7
C103794	0.1	20.6	0.8	142	45.4	<0.2	<0.2	2.1	15.3	1.75	<0.2	0.6	0.5	6.2	4.8	11.9
C107000	0.3	86.4	4.1	76.6	362	<0.2	<0.2	5.1	18.9	2.55	0.4	<0.2	<0.2	36.4	8.7	24.8
C107001	0.2	38.9	2.9	19.3	171	<0.2	<0.2	47.0	11.9	3.46	<0.2	<0.2	<0.2	51.3	7.0	17.9
C107005	0.4	23.1	1.8	19.8	707	<0.2	<0.2	12.5	14.7	5.98	<0.2	<0.2	<0.2	40.4	4.5	9.1
C107008	0.2	18.5	2.3	17.8	146	<0.2	<0.2	25.4	9.2	2.37	<0.2	<0.2	<0.2	32.0	3.8	14.7
C107012	1.3	25.6	8.3	11.8	109	<0.2	0.2	541	13.6	7.93	<0.2	0.4	<0.2	54.5	9.2	10.1
C107019	2.2	1820	33.1	1120	713	<0.2	0.5	529	88.5	12.3	<0.2	3.5	0.4	238	18.9	10.7
C107021	<0.1	9.3	2.2	0.7	13.1	<0.2	0.2	5.2	8.3	0.27	10.8	<0.2	2.3	<0.5	1.6	5.6
C107024	0.1	76.0	2.3	85.5	43.8	<0.2	<0.2	68.0	29.0	2.76	<0.2	<0.2	<0.2	40.2	12.1	9.1
C107026	<0.1	5.3	1.0	60.2	7.1	<0.2	<0.2	2.6	17.9	3.77	<0.2	0.7	<0.2	30.9	8.3	7.2
C107030	<0.1	2.1	0.4	7.4	1.8	<0.2	<0.2	1.7	9.1	13.2	<0.2	<0.2	<0.2	16.0	4.9	20.2
C107035	0.4	17.5	3.1	22.4	46.5	<0.2	<0.2	84.2	18.1	2.98	<0.2	<0.2	<0.2	41.4	12.4	15.2
CG515/LS4	0.1	12.2	0.6	38.4	48.6	0.4	<0.2	11.5	49.0	23.7	<0.2	<0.2	<0.2	33.6	97.9	199
C107036	0.3	14.9	2.6	25.2	43.5	<0.2	<0.2	56.3	15.5	2.64	0.5	<0.2	<0.2	20.6	12.2	11.4
C107038	0.2	35.0	5.1	22.9	15.4	<0.2	<0.2	104	18.2	3.14	<0.2	<0.2	<0.2	20.4	10.0	7.6
C107039	0.4	71.5	4.2	76.1	49.7	<0.2	0.2	147	23.2	5.15	<0.2	<0.2	0.2	33.2	11.7	12.5
C107030 R	<0.1	2.2	0.4	7.1	2.0	<0.2	<0.2	2.5	8.7	13.1	<0.2	<0.2	<0.2	15.8	4.9	20.0

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

SRC Geoanalytic aboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

SRC Geoanalytic Laboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	11.8	0.5	39.3	47.7	<0.2	0.3	12.0	49.6	23.7	0.2	<0.2	<0.2	32.6	98.7	202
C103618	0.6	117	28.0	664	257	<0.2	0.5	88.7	50.0	231	<0.2	4.8	6.3	633	12.1	3.5
C103619	0.2	4.3	1.2	22.5	31.6	<0.2	0.2	60.6	12.3	8.82	<0.2	<0.2	<0.2	82.9	6.9	3.4
C103620	0.6	47.7	6.1	438	736	<0.2	0.4	20.8	18.9	40.8	<0.2	2.5	<0.2	441	6.5	5.1
C103622	<0.1	20.3	1.9	43.5	13.0	<0.2	0.3	14.2	85.2	36.0	<0.2	<0.2	<0.2	631	12.1	5.2
C103623	1.6	7.3	41.3	41.5	117	<0.2	1.2	114	30.4	59.8	<0.2	6.7	<0.2	452	18.9	16.7
C103625	<0.1	18.8	0.8	18.4	124	<0.2	<0.2	13.1	13.3	1.70	<0.2	<0.2	<0.2	8.6	5.5	3.1
C103627	0.9	11.3	8.8	44.4	4980	<0.2	0.5	703	70.6	49.5	<0.2	3.0	11.4	548	8.9	5.6
C106996	0.1	25.3	7.1	29.6	137	<0.2	0.3	6.4	12.6	4.82	<0.2	<0.2	<0.2	69.2	5.3	5.4
C106997	0.1	46.7	9.0	36.2	200	<0.2	<0.2	0.8	21.0	14.3	<0.2	<0.2	<0.2	183	8.2	8.3
C106998	0.1	53.6	10.7	50.0	39.2	<0.2	<0.2	1.0	23.5	9.76	<0.2	<0.2	<0.2	139	7.1	8.1
C106999	0.1	64.4	10.4	56.7	50.1	<0.2	<0.2	10.2	21.6	7.29	<0.2	<0.2	<0.2	114	5.0	3.6
C107002	0.3	539	4.4	32.9	498	<0.2	<0.2	70.2	14.4	4.33	<0.2	<0.2	<0.2	82.3	4.7	2.2
C107003	<0.1	30.4	1.2	11.4	275	<0.2	0.2	21.5	9.5	21.7	0.4	<0.2	<0.2	180	4.4	2.0
C107004	0.1	22.6	1.7	15.3	274	<0.2	0.2	13.1	8.2	5.23	0.7	<0.2	<0.2	59.9	3.3	3.6
C107006	<0.1	22.0	2.2	25.9	58.1	<0.2	0.2	20.1	15.5	2.74	<0.2	<0.2	<0.2	95.5	4.4	3.0
C107007	<0.1	18.1	1.3	18.2	20.3	<0.2	<0.2	9.2	13.1	1.55	0.7	<0.2	<0.2	79.6	3.1	2.5
C107009	<0.1	29.8	1.5	37.3	12.2	<0.2	0.2	36.6	11.5	1.28	0.3	<0.2	<0.2	21.5	4.3	2.6
C107010	0.1	21.7	2.6	19.0	174	<0.2	0.3	79.5	13.5	1.86	<0.2	<0.2	<0.2	29.4	7.6	3.7
C107011	0.2	89.4	3.5	69.6	457	<0.2	0.2	146	20.4	2.74	<0.2	<0.2	<0.2	98.7	4.9	4.2
CG515/LS4/BL4A	0.1	12.8	0.4	38.4	48.1	<0.2	0.3	11.5	48.9	22.4	0.3	<0.2	<0.2	31.7	98.1	196
C107013	0.7	17.5	5.5	11.1	79.2	<0.2	0.3	506	10.4	5.56	<0.2	<0.2	<0.2	134	4.9	3.7
C107014	1.0	36.9	10.3	18.3	379	<0.2	<0.2	483	14.9	16.8	<0.2	<0.2	<0.2	304	9.4	4.6
C107015	0.8	39.6	29.1	18.7	250	<0.2	0.3	529	17.8	12.5	<0.2	<0.2	<0.2	138	10.3	5.5
C107016	0.6	52.5	24.0	22.6	116	<0.2	0.6	540	17.8	73.9	<0.2	<0.2	<0.2	1300	19.6	3.6
C107017	0.9	127	25.5	60.6	706	<0.2	0.2	578	26.3	5.99	<0.2	<0.2	<0.2	99.8	6.1	3.9
C107018	1.1	52.6	129	17.2	239	<0.2	0.5	1420	15.5	8.88	<0.2	2.8	<0.2	195	1.3	2.5
C107020	0.7	97.6	15.3	115	318	<0.2	0.2	698	24.9	9.61	<0.2	<0.2	<0.2	169	5.2	2.9
C107022	0.4	99.1	21.4	89.2	385	<0.2	0.4	475	35.8	7.67	<0.2	<0.2	<0.2	123	8.0	2.7
C107023	0.1	102	4.7	93.9	229	<0.2	<0.2	93.7	33.5	4.42	<0.2	<0.2	<0.2	82.1	10.2	3.3
C107025	<0.1	5.6	1.2	26.7	5.1	<0.2	<0.2	10.7	19.0	4.72	<0.2	<0.2	<0.2	77.8	9.3	4.5
C107027	<0.1	6.2	1.2	77.6	21.5	<0.2	0.3	13.4	21.7	9.40	<0.2	<0.2	<0.2	113	9.2	2.0
C107028	<0.1	2.5	1.4	9.3	1.3	<0.2	0.2	5.2	11.9	3.79	<0.2	<0.2	<0.2	17.2	6.4	2.1
C107029	<0.1	5.3	1.1	113	5.9	<0.2	0.2	8.3	24.1	3.43	<0.2	<0.2	<0.2	54.4	9.1	2.4
C107031	<0.1	3.5	0.5	28.8	0.5	<0.2	<0.2	1.0	15.8	1.74	<0.2	<0.2	<0.2	21.9	8.3	2.6
C107032	<0.1	3.5	0.6	18.3	2.6	<0.2	0.2	1.4	13.7	3.26	<0.2	<0.2	<0.2	61.3	8.2	2.8
C107033	<0.1	2.5	0.7	18.2	5.3	<0.2	0.2	1.0	12.4	4.07	<0.2	<0.2	<0.2	62.6	9.7	1.7
C107034	0.1	14.9	3.4	24.9	23.8	<0.2	<0.2	53.0	22.0	3.95	<0.2	<0.2	<0.2	54.8	13.1	1.6
C107037	0.1	126	1.7	82.6	183	<0.2	0.2	67.8	11.6	1.81	<0.2	<0.2	<0.2	65.8	8.1	2.1
C107032 R	<0.1	3.7	0.8	18.7	2.9	<0.2	0.3	1.6	14.3	3.35	<0.2	<0.2	<0.2	64.3	8.2	2.5

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	11.9	0.5	37.7	47.8	<0.2	0.2	11.7	48.8	22.8	0.3	<0.2	<0.2	31.0	95.9	197
C107040	<0.1	68.0	2.1	64.6	80.5	<0.2	<0.2	29.2	30.5	2.04	<0.2	<0.2	<0.2	26.8	8.9	3.1
C107041	0.2	43.8	3.7	43.9	110	<0.2	<0.2	60.5	25.4	6.63	<0.2	<0.2	<0.2	60.0	7.1	2.1
C107042	<0.1	27.7	2.5	5.5	36.0	<0.2	0.2	1.4	21.9	3.64	<0.2	<0.2	<0.2	33.4	7.4	2.6
C107043	0.1	57.0	3.4	17.7	43.3	<0.2	0.2	0.7	29.4	9.98	<0.2	<0.2	<0.2	65.2	7.5	3.3
C107044	<0.1	66.5	2.9	11.5	32.5	<0.2	<0.2	1.0	35.7	3.95	<0.2	<0.2	<0.2	57.4	7.3	2.5
C107045	<0.1	39.2	3.8	21.2	156	<0.2	0.3	2.4	37.6	19.7	<0.2	<0.2	<0.2	264	8.4	2.7
C107043 R	0.1	57.5	3.3	17.0	43.4	<0.2	<0.2	0.9	28.7	10.0	<0.2	<0.2	<0.2	63.8	7.0	3.0
CG515/LS4/BL3	0.1	11.8	0.4	38.5	47.7	<0.2	0.2	11.7	48.9	23.5	0.4	<0.2	<0.2	31.9	97.9	198
C103616	<0.1	4.6	0.9	6.2	1610	<0.2	0.3	1.6	5.2	87.7	<0.2	<0.2	<0.2	1090	6.5	21.7
C103617	0.7	34.3	6.6	44.3	5700	<0.2	0.4	120	8.3	62.4	<0.2	<0.2	<0.2	602	5.0	0.5
C103621	<0.1	16.4	17.0	24.2	4990	<0.2	1.6	459	13.7	414	<0.2	12.8	<0.2	4560	<0.1	4.0
C103624	1.3	24.2	16.9	23.6	50.6	<0.2	0.8	891	25.5	155	<0.2	<0.2	<0.2	2110	9.2	5.6
C103630	0.7	9.3	17.6	31.8	3260	<0.2	0.4	430	6.5	67.8	<0.2	4.0	6.0	576	2.0	7.7
C103626	<0.1	18.5	2.7	69.2	6.4	<0.2	0.8	12.5	44.7	261	<0.2	<0.2	<0.2	3820	4.8	5.1
C103630 R	0.9	10.1	18.0	29.6	3350	<0.2	0.3	433	6.8	69.6	<0.2	4.1	6.5	587	2.2	7.5

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytic aboratories
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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.4	2310	2.1	4.77	0.7	165	20	121	3	3.1	2.4	2.9	7.24	24	5.2	4.3
C103628	<0.2	13.1	1860	1.0	3.74	0.7	65	7	83	3	0.8	1.0	1.2	6.31	19	1.5	0.7
C103629	<0.2	11.1	1510	0.7	2.97	0.6	103	3	96	10	1.5	1.3	1.5	3.17	15	4.8	0.6
C103631	148	7.76	483	0.7	0.25	<0.2	12	118	57	337000	0.4	0.7	1.1	10.5	10	<0.5	2.8
C103632	1.1	11.0	190	1.2	3.71	1.0	35	63	734	647	2.1	2.0	2.0	9.57	27	2.7	3.3
C103633	1.1	11.7	215	1.0	1.94	1.0	43	63	526	373	2.3	2.2	1.9	9.93	28	2.7	3.5
C103634	5.1	10.7	271	1.0	1.77	0.9	49	45	408	243	2.0	2.1	1.5	8.29	23	2.2	4.0
C103793	7.0	0.37	37	0.2	0.09	<0.2	601	760	100	366	2.3	1.6	9.4	13.3	6	9.3	1.8
C103794	<0.2	14.3	402	2.6	1.80	<0.2	124	145	116	47	1.9	1.4	1.8	3.18	22	5.2	1.8
C107000	<0.2	8.86	158	2.1	9.47	<0.2	38	84	50	373	0.7	1.6	0.9	6.14	12	1.1	1.9
C107001	<0.2	13.0	291	4.0	4.65	0.6	135	21	86	189	1.4	1.6	0.9	3.58	20	2.3	2.5
C107005	0.5	9.81	235	3.0	0.69	0.4	64	21	118	739	1.7	1.2	0.7	1.62	13	2.2	1.8
C107008	0.3	14.4	370	4.2	0.40	0.6	165	19	133	150	2.0	1.7	0.8	0.96	20	3.2	3.1
C107012	1.1	9.09	221	2.5	7.08	0.5	159	13	109	112	1.5	2.2	1.2	4.44	11	3.1	1.8
C107019	2.6	12.3	304	3.4	9.32	<0.2	406	1200	89	720	2.7	3.3	2.1	5.91	15	6.0	2.3
C107021	<0.2	0.20	18	<0.2	31.7	0.2	2	<1	23	13	0.3	1.4	<0.2	0.14	1	<0.5	<0.5
C107024	<0.2	11.8	317	2.3	8.05	<0.2	93	100	46	43	1.2	2.0	1.6	5.31	18	3.1	1.5
C107026	<0.2	14.0	385	2.6	6.28	0.4	102	68	48	7	1.5	2.0	2.1	5.11	21	3.6	1.9
C107030	<0.2	13.6	424	2.7	4.11	1.1	99	9	55	2	2.0	1.9	2.4	6.18	21	3.4	2.2
C107035	<0.2	8.01	123	1.0	9.54	0.3	53	28	67	49	0.6	1.7	0.9	4.81	7	1.3	1.0
CG515/LS4	<0.2	17.5	2290	2.1	4.82	0.8	163	18	123	4	3.1	2.5	2.8	7.26	24	5.1	4.1
C107036	<0.2	8.49	104	0.6	9.16	0.3	63	30	79	43	0.7	1.7	1.0	4.09	7	1.8	1.3
C107038	<0.2	9.25	120	0.7	6.58	0.3	52	29	78	16	0.9	1.4	0.8	2.72	7	1.8	1.3
C107039	<0.2	10.4	254	1.7	8.62	0.2	79	80	58	52	1.3	2.0	1.4	4.40	14	3.2	1.2
C107030 R	<0.2	13.3	418	2.6	4.02	1.0	99	10	56	3	1.8	1.9	2.4	6.05	21	3.5	2.0

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Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.3	3.18	82	30	2.91	0.073	<1	3.33	7	66	26	0.660	18	15	12	8.9	2
C103628	0.5	3.97	36	7	2.53	0.134	<1	3.96	2	25	24	0.201	3	6	9	4.2	<1
C103629	0.6	1.25	53	4	1.63	0.177	<1	5.77	1	42	14	0.206	1	9	7	7.1	<1
C103631	<0.4	4.43	7	43	3.18	0.006	490	0.06	<1	7	24	<0.002	282	1	7	1.7	15
C103632	0.8	3.97	19	15	12.6	0.133	2	0.01	1	19	441	0.291	16	3	26	4.5	<1
C103633	0.9	4.02	22	12	12.4	0.111	1	0.01	4	23	530	0.312	52	4	22	4.2	<1
C103634	0.8	3.54	28	9	11.2	0.107	1	0.01	4	22	325	0.259	27	4	19	3.5	<1
C103793	1.2	0.047	438	3	0.066	0.018	186	0.03	19	161	232	0.318	35	41	1	22.5	5
C103794	0.4	3.84	61	8	1.32	0.081	4	2.22	2	48	28	0.167	2	11	14	8.5	<1
C107000	0.6	2.87	24	16	5.38	0.426	8	0.05	1	13	27	0.124	4	3	5	3.5	<1
C107001	0.6	4.52	107	30	3.24	0.216	55	0.07	4	32	18	0.162	6	9	9	4.2	<1
C107005	0.6	3.14	43	16	1.12	0.027	14	0.07	2	18	17	0.192	8	4	6	2.8	<1
C107008	0.8	5.16	117	11	0.935	0.016	25	0.07	5	44	13	0.161	3	11	8	4.9	<1
C107012	0.6	3.10	123	12	3.56	0.360	587	0.07	2	40	19	0.191	11	11	7	5.8	<1
C107019	1.4	4.32	339	18	4.66	0.468	582	0.08	3	90	100	0.209	15	26	12	10.6	<1
C107021	<0.4	0.033	3	1	21.1	0.013	5	0.01	2	<1	9	0.104	1	1	<1	3.0	<1
C107024	0.6	4.38	54	17	4.16	0.407	73	0.06	3	34	44	0.176	4	8	10	6.4	<1
C107026	0.7	5.40	58	16	3.62	0.325	6	0.07	3	38	41	0.196	6	9	11	6.7	<1
C107030	0.8	5.32	58	18	3.02	0.210	2	0.06	4	37	26	0.200	14	8	11	6.4	<1
C107035	0.4	1.87	35	15	5.93	0.400	93	1.04	1	18	24	0.134	6	4	5	3.8	<1
CG515/LS4	1.2	3.22	82	31	2.93	0.074	<1	3.36	7	66	26	0.670	20	15	12	8.9	<1
C107036	0.4	1.11	41	5	4.92	0.379	60	3.22	1	20	19	0.136	4	5	6	4.2	<1
C107038	0.4	1.35	29	7	3.98	0.246	110	3.14	2	19	23	0.140	5	4	5	3.8	<1
C107039	0.7	2.89	44	18	5.37	0.378	159	1.29	3	30	29	0.168	6	7	8	6.1	<1
C107030 R	0.8	5.21	57	18	2.98	0.212	3	0.06	4	37	26	0.199	15	8	11	6.4	<1

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Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1170	<1	0.5	14	1.09	3	129	<1	22	1.9	82	143
C103628	38	1	<0.3	14	0.286	<2	68	<1	8	0.8	16	8
C103629	40	<1	<0.3	14	0.182	<2	43	<1	10	1.1	17	30
C103631	50	<1	0.5	7	0.162	10	36	<1	4	0.4	12	23
C103632	26	1	0.9	2	0.552	2	356	<1	16	1.8	119	69
C103633	50	1	0.7	3	0.953	3	359	<1	17	2.0	144	98
C103634	102	1	0.6	5	0.848	4	267	<1	17	2.1	166	112
C103793	3	<1	2.1	11	0.033	9	15	<1	11	0.9	14	5
C103794	27	<1	<0.3	9	0.223	7	92	3	11	1.4	16	61
C107000	33	<1	1.0	6	0.200	36	36	<1	14	1.4	27	66
C107001	18	1	0.6	9	0.333	54	81	1	14	1.6	19	90
C107005	5	<1	0.4	7	0.270	42	59	<1	11	1.3	10	57
C107008	5	<1	<0.3	11	0.434	33	103	2	15	2.1	15	116
C107012	23	1	1.1	10	0.270	57	80	1	15	1.6	17	55
C107019	29	<1	2.9	18	0.325	240	131	2	22	2.5	17	79
C107021	123	2	0.4	<1	<0.001	<2	1	<1	3	<0.1	8	<1
C107024	29	<1	0.9	13	0.292	41	79	4	15	1.7	12	58
C107026	23	1	0.4	14	0.328	31	81	7	16	1.7	10	69
C107030	10	1	0.4	14	0.377	17	77	2	16	1.9	23	60
C107035	30	2	0.8	8	0.155	42	37	<1	12	1.3	19	42
CG515/LS4	1180	1	0.5	14	1.10	4	129	<1	22	1.9	84	139
C107036	38	2	0.4	9	0.172	21	44	1	12	1.3	14	42
C107038	27	1	0.3	10	0.199	20	40	1	11	1.1	12	49
C107039	29	2	0.5	11	0.221	34	64	1	15	1.6	15	52
C107030 R	10	1	0.4	14	0.367	17	80	4	16	1.9	20	59

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al_2O_3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe_2O_3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K_2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na_2O)

Niobium in ppm (Nb)
Neodymiurn in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P_2O_5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO_2)
Uranium in ppm (U, ICP)

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Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	0.6	17.0	2250	2.2	4.71	0.8	160	17	120	4	3.0	2.5	2.7	7.11	23	4.9	4.1
C103618	1.1	12.8	1020	2.1	4.18	<0.2	129	672	96	268	8.3	4.3	3.4	8.53	13	8.9	4.6
C103619	<0.2	13.2	898	2.8	6.34	0.5	89	24	64	33	2.3	2.3	1.6	4.28	17	4.1	1.8
C103620	0.9	14.2	764	1.4	5.31	<0.2	66	470	93	783	12.0	5.5	2.6	2.06	14	9.1	2.7
C103622	0.5	10.6	256	2.6	0.18	0.2	94	49	86	14	2.4	1.5	1.4	4.48	13	3.4	3.7
C103623	8.0	13.7	213	0.7	9.17	0.5	170	43	85	127	4.9	2.9	5.5	4.61	14	11.3	3.3
C103625	<0.2	14.3	287	3.8	1.87	0.6	103	18	112	123	1.8	1.6	1.0	2.84	21	2.8	2.6
C103627	2.0	12.9	12300	1.3	5.20	0.5	43	46	85	5220	11.2	5.3	1.8	1.07	11	11.1	2.9
C106996	<0.2	12.8	253	3.9	4.80	0.5	41	30	49	145	1.4	1.9	0.7	3.30	16	1.7	3.5
C106997	<0.2	7.96	152	2.2	10.0	0.2	42	38	50	206	1.3	2.0	1.1	5.50	9	1.9	2.7
C106998	<0.2	8.84	161	2.6	7.94	0.2	55	52	53	39	1.2	1.8	0.9	4.54	12	1.8	2.5
C106999	<0.2	10.0	184	2.9	3.81	<0.2	36	59	63	57	1.3	1.6	0.6	3.23	13	1.4	2.8
C107002	0.4	14.5	367	5.1	0.84	0.8	94	35	125	589	1.9	1.6	0.7	2.10	22	2.2	3.0
C107003	<0.2	11.1	283	4.0	0.21	0.5	121	10	128	294	3.3	1.8	1.1	1.20	15	4.0	2.9
C107004	0.4	16.1	393	5.2	0.19	0.6	194	17	144	318	2.8	2.3	1.0	1.18	22	3.9	4.2
C107006	<0.2	10.5	246	3.3	0.92	0.3	56	25	113	63	1.5	1.2	0.6	1.69	13	1.8	2.2
C107007	<0.2	12.1	293	4.0	0.37	0.4	112	20	135	25	1.6	1.3	0.6	0.99	16	2.4	2.5
C107009	<0.2	15.2	379	4.7	0.51	0.4	109	38	143	14	1.9	1.6	0.6	1.15	21	2.4	3.2
C107010	<0.2	10.6	254	3.2	2.66	0.5	98	22	117	200	1.5	1.4	0.7	2.04	14	2.2	1.8
C107011	0.3	11.0	272	3.2	2.07	<0.2	78	73	128	475	1.4	1.4	0.6	1.94	14	1.8	2.4
CG515/LS4/BL4A	<0.2	17.3	2290	2.2	4.80	1.0	160	24	123	4	3.1	2.4	2.7	7.23	23	4.8	4.7
C107013	1.1	13.7	341	4.0	2.99	0.6	214	11	147	92	1.9	2.1	0.9	2.37	18	3.2	3.4
C107014	1.3	9.99	238	2.9	5.66	0.4	82	20	128	419	2.0	2.3	1.0	3.69	11	2.7	3.2
C107015	1.0	10.4	269	3.2	5.60	0.5	217	19	108	290	1.9	2.3	1.2	3.72	13	3.4	2.7
C107016	1.9	7.37	208	2.3	10.4	0.3	137	30	97	132	2.4	2.8	2.0	6.53	2	3.9	5.8
C107017	1.3	15.7	415	4.4	5.12	0.6	186	62	114	754	1.9	2.5	1.1	3.77	22	2.8	3.4
C107018	1.4	15.6	424	4.4	3.03	0.7	130	18	111	263	2.2	2.6	0.8	2.75	18	2.4	4.1
C107020	0.8	12.0	337	3.1	6.41	0.2	92	126	72	350	2.1	2.5	1.7	4.76	15	4.1	2.8
C107022	0.5	11.3	319	2.7	8.25	0.2	83	95	56	416	1.9	2.5	1.6	5.16	15	3.3	2.6
C107023	<0.2	13.0	360	3.0	6.85	<0.2	98	101	62	249	1.6	2.1	1.5	4.51	19	3.4	2.2
C107025	<0.2	12.7	350	2.7	6.83	0.6	94	28	64	6	1.7	2.0	1.7	4.60	18	3.4	2.2
C107027	<0.2	12.6	366	2.6	7.49	0.3	90	84	53	22	2.2	2.4	2.4	5.75	18	3.8	2.5
C107028	<0.2	14.1	405	2.8	1.88	0.6	102	11	68	2	1.8	1.7	2.3	7.32	22	2.8	3.6
C107029	<0.2	13.4	429	2.7	7.39	<0.2	93	117	54	6	1.7	2.1	2.4	6.41	19	3.2	2.8
C107031	<0.2	13.4	428	2.7	6.82	0.4	101	32	51	1	1.5	1.9	2.4	5.45	19	3.3	2.5
C107032	<0.2	13.2	435	2.7	6.07	0.6	92	20	63	3	1.9	2.1	2.2	5.31	19	3.4	2.7
C107033	<0.2	14.2	406	2.7	6.09	0.7	100	21	71	6	2.4	2.2	2.5	7.96	21	3.6	2.9
C107034	0.7	9.56	123	1.1	6.84	0.5	61	28	95	26	1.2	1.6	0.9	3.57	8	1.9	1.7
C107037	<0.2	10.5	127	0.9	5.30	<0.2	51	83	96	194	1.1	1.4	0.8	2.26	7	2.2	1.8
C107032 R	<0.2	13.4	434	2.8	6.16	0.4	91	18	60	3	1.7	2.0	2.2	5.40	19	3.1	2.4

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.5	2210	2.1	4.76	0.9	163	20	118	3	3.2	2.5	2.8	7.18	24	5.1	3.9
C107040	<0.2	13.5	445	3.1	8.92	0.4	95	66	53	81	1.3	2.2	1.6	4.83	21	3.8	1.5
C107041	<0.2	13.9	491	3.5	7.36	0.5	99	46	50	112	1.9	2.3	1.7	4.35	21	4.0	1.6
C107042	<0.2	13.5	421	3.1	7.21	0.5	94	7	49	37	2.3	2.1	1.7	4.28	21	4.0	2.3
C107043	<0.2	13.8	437	3.3	8.04	0.7	88	21	47	44	2.7	2.5	1.7	4.84	21	3.8	2.4
C107044	<0.2	12.7	411	3.5	7.12	0.6	100	13	40	36	2.2	2.1	1.5	4.37	22	3.7	2.3
C107045	<0.2	13.7	422	3.4	5.86	0.5	104	26	42	176	3.4	2.5	2.0	4.04	22	5.1	2.8
C107043 R	<0.2	13.9	448	3.4	8.13	0.7	90	16	47	45	2.9	2.5	1.7	4.92	21	3.9	2.3
CG515/LS4/BL3	<0.2	17.4	2200	2.1	4.70	0.6	159	19	118	3	3.1	2.4	2.8	7.14	24	4.9	4.0
C103616	0.2	8.74	812	2.8	4.89	0.3	21	7	102	1700	11.2	4.9	3.7	2.55	8	11.7	2.4
C103617	1.9	12.6	2900	2.4	0.10	0.2	120	45	92	5780	1.2	0.7	0.9	2.90	11	2.3	3.8
C103621	6.5	11.1	1530	3.2	9.47	<0.2	83	28	65	5170	14.5	7.0	10.3	3.33	<1	24.3	11.9
C103624	3.5	14.5	411	3.9	9.81	0.6	190	23	69	52	6.7	4.8	5.4	6.42	7	13.0	7.4
C103630	3.6	15.3	1320	1.5	1.22	0.5	34	35	115	3580	10.2	4.6	2.3	1.52	17	9.4	2.9
C103626	<0.2	13.9	478	3.8	5.90	0.2	101	85	63	10	6.8	3.8	4.2	6.36	<1	9.6	11.1
C103630 R	3.6	14.8	1310	1.4	1.19	0.5	35	33	114	3590	10.0	4.8	2.3	1.49	17	9.2	2.8

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Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.16	80	29	2.78	0.074	1	3.13	7	64	26	0.656	19	13	12	8.7	<1
C103618	1.9	3.68	58	12	2.14	0.280	91	3.65	1	56	76	0.318	232	11	8	12.5	<1
C103619	0.8	4.75	46	18	3.56	0.396	62	2.79	2	36	39	0.207	10	7	10	6.9	<1
C103620	2.3	4.72	29	14	0.591	0.065	22	4.27	<1	30	30	0.186	42	6	9	8.9	<1
C103622	0.7	3.03	46	44	2.05	0.013	14	0.05	5	36	93	0.163	37	7	7	5.6	<1
C103623	1.2	0.498	79	2	4.22	0.335	117	7.41	2	78	37	0.182	61	15	15	17.7	<1
C103625	0.7	5.10	62	16	1.73	0.095	14	0.15	4	34	22	0.195	2	7	10	4.5	<1
C103627	1.9	3.47	14	12	0.986	0.082	710	4.63	1	25	94	0.569	53	5	9	9.2	<1
C106996	0.7	4.70	22	15	2.93	0.227	6	0.07	6	15	15	0.127	6	3	7	2.8	<1
C106997	0.7	2.82	21	11	5.16	0.434	1	0.04	2	16	27	0.116	17	3	5	4.2	<1
C106998	0.6	3.22	30	10	4.17	0.336	1	0.05	3	19	29	0.131	11	4	6	3.8	<1
C106999	0.4	3.49	21	16	2.38	0.164	10	0.05	5	13	27	0.126	9	2	6	2.4	<1
C107002	0.6	5.20	71	34	1.43	0.048	70	0.08	3	25	21	0.186	6	5	11	2.8	<1
C107003	0.8	3.90	81	15	0.825	0.005	22	0.05	4	35	14	0.179	21	7	6	4.6	<1
C107004	1.0	5.79	131	16	0.967	0.003	14	0.08	5	53	16	0.179	7	12	9	5.8	<1
C107006	0.5	3.58	37	12	1.12	0.038	21	0.09	3	17	22	0.230	3	3	7	2.5	<1
C107007	0.5	4.37	71	10	0.752	0.012	9	0.08	4	31	22	0.184	2	7	9	3.4	<1
C107009	0.7	5.57	76	11	0.940	0.013	37	0.08	4	29	19	0.183	2	7	9	3.4	<1
C107010	0.6	3.77	69	9	1.64	0.128	80	0.12	4	27	20	0.193	3	6	7	3.6	<1
C107011	0.6	3.92	54	8	1.33	0.098	150	0.11	4	22	26	0.175	3	5	7	2.9	<1
CG515/LS4/BL4A	0.9	3.22	82	29	2.84	0.074	2	3.21	7	65	25	0.657	20	14	12	8.7	1
C107013	0.8	5.05	170	13	1.95	0.162	510	0.08	5	50	15	0.175	8	12	10	5.2	<1
C107014	0.7	3.60	66	14	2.87	0.314	490	0.06	2	22	19	0.191	21	5	8	3.8	<1
C107015	0.8	3.79	179	11	2.70	0.295	530	0.06	4	52	22	0.171	15	13	9	6.1	<1
C107016	1.0	2.60	100	11	4.36	0.552	550	0.07	2	36	24	0.142	80	8	9	6.1	<1
C107017	0.8	5.82	152	13	2.72	0.278	580	0.09	3	45	29	0.180	8	11	11	5.3	<1
C107018	0.8	5.80	115	14	1.79	0.161	1450	0.08	5	30	22	0.176	10	7	12	3.4	<1
C107020	0.8	4.47	49	22	3.53	0.350	700	0.06	6	37	31	0.187	13	8	10	6.8	<1
C107022	0.7	4.13	46	20	4.54	0.429	480	0.29	4	32	44	0.168	10	7	10	6.3	<1
C107023	0.8	4.99	55	22	3.83	0.348	94	0.11	4	36	43	0.178	7	8	11	6.5	<1
C107025	0.7	4.91	55	14	3.64	0.359	12	0.06	3	35	40	0.185	6	7	11	6.5	<1
C107027	1.0	4.99	51	16	4.05	0.382	14	0.06	3	35	38	0.191	12	7	10	6.8	<1
C107028	0.7	5.58	58	17	1.76	0.102	6	0.06	3	38	31	0.216	8	7	12	6.3	<1
C107029	0.9	5.35	53	16	4.03	0.390	8	0.06	4	35	43	0.200	4	7	11	6.7	<1
C107031	0.7	5.44	59	17	3.69	0.346	2	0.06	3	38	35	0.191	4	8	11	6.9	<1
C107032	0.9	5.32	52	16	3.44	0.312	1	0.06	3	34	34	0.189	5	7	11	6.3	<1
C107033	0.8	5.69	55	16	3.64	0.285	1	0.06	2	39	33	0.203	7	8	12	7.3	<1
C107034	0.7	1.52	40	28	3.93	0.303	55	2.79	1	19	26	0.152	8	4	6	3.7	<1
C107037	0.5	1.57	27	7	3.06	0.220	69	3.53	2	20	17	0.150	4	4	5	3.9	<1
C107032 R	0.7	5.41	52	17	3.48	0.316	1	0.06	3	34	35	0.190	6	7	11	6.2	<1

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Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.0	3.21	83	30	2.93	0.072	8	3.33	7	66	26	0.661	20	15	12	8.9	<1
C107040	0.7	4.97	55	23	5.48	0.451	31	0.14	5	36	37	0.197	3	8	11	6.7	<1
C107041	0.8	5.17	58	24	4.38	0.377	62	0.30	6	37	29	0.197	8	9	12	6.9	<1
C107042	0.8	4.55	57	21	4.07	0.099	2	0.83	4	37	22	0.188	4	8	11	6.9	<1
C107043	1.0	5.02	51	23	4.47	0.129	<1	0.33	5	33	30	0.191	10	8	11	6.2	<1
C107044	0.8	4.93	51	21	3.94	0.118	1	0.08	5	35	37	0.187	4	8	8	6.2	<1
C107045	0.9	4.89	56	22	3.76	0.109	4	0.06	5	40	38	0.187	20	9	12	7.7	<1
C107043 R	1.0	5.01	55	23	4.40	0.122	<1	0.34	5	35	27	0.191	11	8	11	6.4	<1
CG515/LS4/BL3	1.1	3.22	82	30	2.92	0.072	1	3.31	7	64	25	0.660	18	15	12	8.7	1
C103616	2.1	4.40	<1	28	3.25	0.204	2	0.09	1	22	22	0.215	93	4	7	10.8	<1
C103617	<0.4	9.25	61	22	0.529	0.004	125	0.09	<1	38	23	0.142	60	9	5	4.5	<1
C103621	3.0	5.21	<1	26	2.61	0.291	460	0.06	1	68	34	0.403	420	12	7	17.5	<1
C103624	1.8	5.32	76	43	5.33	0.500	900	0.08	6	83	33	0.225	158	19	13	15.5	<1
C103630	1.8	2.94	6	11	0.645	0.067	437	6.24	<1	22	19	0.228	67	4	7	8.3	<1
C103626	1.9	5.72	21	37	3.87	0.380	14	0.05	8	46	72	0.206	270	9	12	8.4	<1
C103630 R	1.9	2.87	6	10	0.637	0.065	440	6.17	<1	22	18	0.221	68	4	7	8.0	<1

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1170	1	0.5	14	1.02	5	125	<1	22	1.8	81	152	N/R
C103618	42	3	7.9	11	0.194	640	91	1	35	3.5	10	58	N/R
C103619	42	2	1.1	14	0.225	84	101	<1	19	2.0	11	58	N/R
C103620	50	<1	5.7	13	0.200	450	93	2	43	4.7	18	57	N/R
C103622	5	1	6.1	11	0.304	640	77	3	14	1.6	19	51	N/R
C103623	31	1	5.6	9	0.187	460	124	<1	22	2.3	17	71	N/R
C103625	9	1	<0.3	11	0.445	10	82	2	14	1.8	10	84	N/R
C103627	131	<1	7.2	14	0.180	591	146	<1	45	4.7	39	51	N/R
C106996	18	1	0.6	10	0.336	65	48	1	17	1.9	15	116	N/R
C106997	34	2	2.3	6	0.216	187	31	2	17	1.5	17	65	N/R
C106998	30	3	1.8	7	0.271	140	38	<1	15	1.5	15	75	N/R
C106999	16	<1	1.3	7	0.306	119	41	1	13	1.5	11	85	N/R
C107002	10	<1	0.4	8	0.449	81	95	<1	15	1.9	8	107	N/R
C107003	5	<1	1.9	11	0.407	182	69	2	18	1.9	8	90	N/R
C107004	6	<1	0.4	14	0.541	66	100	1	20	2.7	12	148	N/R
C107006	6	<1	0.9	8	0.332	98	57	2	12	1.3	9	68	N/R
C107007	5	<1	0.3	10	0.414	80	65	1	12	1.6	6	90	N/R
C107009	6	1	<0.3	9	0.480	24	99	1	15	2.0	5	118	N/R
C107010	10	<1	0.3	8	0.370	31	77	3	12	1.5	9	76	N/R
C107011	9	<1	0.7	7	0.391	101	82	<1	11	1.5	9	75	N/R
CG515/LS4/BL4A	1200	1	0.6	14	1.08	4	129	<1	22	1.8	83	141	0.147
C107013	12	<1	1.2	12	0.441	140	141	1	16	2.1	11	106	N/R
C107014	21	1	3.3	8	0.303	314	94	3	18	1.9	14	72	N/R
C107015	18	2	1.8	11	0.377	143	104	3	16	1.8	14	73	N/R
C107016	33	2	13.8	9	0.228	1340	79	5	22	2.1	16	48	0.161
C107017	26	1	0.8	11	0.431	101	126	2	19	2.4	16	109	N/R
C107018	13	<1	1.7	11	0.508	203	140	3	19	2.5	9	121	N/R
C107020	24	3	2.2	13	0.386	180	107	6	19	2.1	14	64	N/R
C107022	30	2	1.7	13	0.313	128	91	6	20	2.1	13	65	N/R
C107023	25	2	1.2	13	0.353	84	92	7	17	1.9	10	72	N/R
C107025	25	2	1.0	13	0.317	76	76	5	17	1.8	9	66	N/R
C107027	27	1	1.6	13	0.320	115	76	6	20	2.1	10	65	N/R
C107028	8	2	0.5	15	0.362	21	86	6	14	1.8	10	68	N/R
C107029	27	3	0.9	14	0.379	55	80	6	18	1.9	7	74	N/R
C107031	27	2	0.5	14	0.332	22	80	4	16	1.8	9	67	N/R
C107032	24	<1	0.7	14	0.355	62	80	5	16	1.9	9	67	N/R
C107033	18	3	1.0	13	0.361	62	86	5	20	2.1	8	65	N/R
C107034	31	1	0.9	9	0.191	55	54	1	13	1.4	12	49	N/R
C107037	27	<1	0.6	10	0.229	65	38	1	11	1.2	10	64	N/R
C107032 R	24	2	0.7	14	0.363	66	80	5	16	1.8	9	68	N/R

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1200	1	0.4	16	1.07	4	127	<1	22	1.9	82	143	N/R
C107040	32	1	0.7	15	0.354	27	79	2	19	2.0	12	69	N/R
C107041	32	2	0.8	16	0.391	62	84	1	20	2.0	10	67	N/R
C107042	32	1	0.4	14	0.359	35	70	<1	18	1.8	11	62	N/R
C107043	34	1	0.8	14	0.388	67	69	<1	22	2.1	10	66	N/R
C107044	27	1	0.8	10	0.374	59	64	<1	16	1.9	14	69	N/R
C107045	20	<1	2.8	15	0.382	270	78	<1	24	2.4	15	71	N/R
C107043 R	34	<1	1.0	14	0.396	66	66	<1	23	2.2	11	68	N/R
CG515/LS4/BL3	1190	1	0.6	15	1.06	4	127	<1	22	1.8	84	146	1.19
C103616	20	<1	13.2	2	0.193	1160	124	<1	46	3.1	12	20	0.142
C103617	28	<1	5.2	12	0.189	610	120	<1	8	0.8	20	84	N/R
C103621	81	<1	47.8	2	0.236	4670	90	<1	126	4.3	23	58	0.554
C103624	32	1	23.8	10	0.427	2320	132	7	54	4.1	16	81	0.261
C103630	47	<1	7.0	13	0.172	609	95	<1	47	3.9	17	62	N/R
C103626	27	<1	40.0	10	0.510	4040	78	9	52	4.3	17	78	0.477
C103630 R	46	<1	6.9	13	0.173	599	93	<1	46	3.8	15	62	N/R

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standards are BL2A and BL3.

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September 22, 2006

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Reviewed by: Chelsey Schneider

Chelsey Schneider

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Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.1	12.2	0.4	38.8	48.8	<0.2	0.5	10.5	49.6	24.7	0.3	<0.2	<0.2	32.3	100	205
C103635	0.3	18.1	1.5	183	60.6	<0.2	0.2	2.8	28.7	40.9	<0.2	<0.2	<0.2	397	11.7	<0.1
C103636	0.2	16.6	1.3	111	37.9	<0.2	<0.2	1.4	15.1	24.7	<0.2	<0.2	<0.2	187	8.0	<0.1
C103637	0.1	24.2	1.2	133	3.6	<0.2	0.2	5.1	8.5	17.8	<0.2	<0.2	<0.2	129	4.5	<0.1
C103638	0.2	18.1	1.9	86.5	11.1	<0.2	<0.2	<0.1	32.5	9.95	0.7	<0.2	<0.2	95.6	17.2	<0.1
C103640	<0.1	16.8	0.4	100	52.9	<0.2	0.4	22.8	11.6	85.8	<0.2	<0.2	<0.2	303	3.9	<0.1
C107048	0.1	22.2	1.4	26.1	260	<0.2	<0.2	25.5	17.2	12.8	<0.2	<0.2	<0.2	100	7.5	4.8
C107049	<0.1	88.2	4.9	82.6	291	<0.2	0.8	99.0	30.0	127	<0.2	<0.2	<0.2	2330	8.9	7.9
C107050	0.1	19.2	1.3	21.6	87.6	<0.2	<0.2	28.1	14.1	12.7	<0.2	<0.2	<0.2	138	8.1	5.9
C107052	<0.1	16.3	0.8	15.2	278	<0.2	<0.2	9.2	15.1	2.74	<0.2	<0.2	<0.2	34.8	7.9	4.4
C107053	0.5	7370	6.0	6160	728	<0.2	3.2	27.2	314	11.6	<0.2	2.4	<0.2	684	9.0	1.5
C107054	<0.1	11.9	1.1	59.7	70.9	<0.2	<0.2	14.1	15.5	11.8	<0.2	<0.2	<0.2	69.5	13.2	<0.1
C107055	<0.1	20.2	1.5	19.1	93.2	<0.2	0.2	12.9	10.8	2.86	<0.2	<0.2	<0.2	18.6	6.2	<0.1
C107052 R	<0.1	17.3	0.9	15.8	288	<0.2	<0.2	10.4	14.8	2.81	<0.2	<0.2	<0.2	34.3	8.6	4.6

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytic aboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.2	2260	2.0	4.78	0.8	161	18	115	4	3.1	2.2	2.7	7.10	22	5.2	4.6
C103635	0.4	10.5	354	2.8	11.0	<0.2	33	199	62	62	5.1	4.0	3.3	10.3	11	5.7	3.7
C103636	0.3	16.3	567	3.6	4.84	0.2	86	114	60	40	3.1	2.4	2.8	5.91	20	5.0	3.1
C103637	0.4	17.8	677	4.1	0.75	0.3	85	134	84	4	2.5	1.5	2.1	3.49	24	4.2	3.1
C103638	0.3	6.94	208	2.1	18.8	0.3	31	95	37	12	2.6	3.6	3.0	14.5	10	2.9	2.8
C103640	0.3	9.89	521	2.2	2.01	<0.2	72	104	128	56	6.1	3.0	2.8	2.23	10	9.7	3.8
C107048	0.4	11.2	250	3.2	0.86	0.4	109	25	107	291	2.4	1.6	1.0	2.28	16	3.2	2.5
C107049	1.3	10.5	262	3.7	0.21	0.2	121	88	124	317	9.9	4.5	4.0	2.54	<1	13.2	9.4
C107050	0.5	12.5	279	3.7	0.27	0.5	120	21	119	99	2.4	1.6	1.0	2.49	17	3.3	3.1
C107052	0.3	11.3	265	3.2	0.87	0.4	148	15	104	304	1.7	1.2	0.9	2.27	17	2.8	2.0
C107053	1.6	17.3	403	4.7	1.62	<0.2	146	6250	160	787	2.7	2.2	1.0	2.49	20	4.0	4.1
C107054	<0.2	13.3	391	3.2	5.12	0.4	109	60	63	73	2.4	2.1	1.8	5.48	22	4.0	2.4
C107055	<0.2	12.9	235	3.8	2.75	0.5	78	21	79	100	1.8	1.5	0.8	2.75	18	2.5	2.5
C107052 R	0.2	11.4	265	3.3	0.89	0.4	142	15	107	305	1.7	1.3	0.9	2.32	17	2.8	1.8

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.1	3.10	83	30	2.86	0.072	1	3.31	6	64	27	0.659	20	14	12	8.6	<1
C103635	1.4	3.71	14	6	3.48	0.782	5	0.07	<1	18	44	0.161	43	3	20	6.4	<1
C103636	0.8	5.81	41	6	1.77	0.360	2	0.10	2	35	30	0.142	26	7	13	7.0	<1
C103637	0.6	6.33	41	6	0.757	0.069	5	0.10	1	32	26	0.145	19	7	11	5.5	<1
C103638	1.2	2.34	16	5	5.73	1.11	<1	0.14	<1	16	46	0.132	13	3	11	6.1	<1
C103640	1.1	2.66	31	8	1.08	0.098	23	0.99	3	32	19	0.176	84	6	13	9.6	<1
C107048	0.7	3.60	77	21	1.66	0.036	31	0.06	2	30	21	0.172	15	7	7	4.1	<1
C107049	1.8	3.27	69	37	1.18	0.006	115	0.05	3	42	34	0.192	129	9	10	9.4	<1
C107050	0.7	3.95	82	22	1.49	0.010	35	0.06	3	32	19	0.186	17	7	6	4.2	<1
C107052	0.6	3.59	112	17	1.59	0.040	12	0.05	3	36	20	0.182	5	9	6	4.2	<1
C107053	1.1	6.06	109	21	2.13	0.089	30	0.08	<1	36	327	0.163	13	10	11	4.3	<1
C107054	0.7	4.78	60	15	3.37	0.285	17	0.06	3	40	21	0.200	15	9	11	7.0	<1
C107055	0.5	4.29	49	20	2.55	0.127	15	0.06	2	25	14	0.184	4	5	9	3.6	<1
C107052 R	0.6	3.63	110	17	1.61	0.041	12	0.05	2	36	21	0.182	5	8	7	4.4	<1

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1160	1	0.4	13	1.05	4	131	<1	22	1.8	86	144
C103635	40	3	5.2	10	0.144	410	51	1	35	3.0	16	45
C103636	21	<1	2.0	15	0.283	190	86	3	24	2.2	10	75
C103637	10	<1	0.9	16	0.275	131	97	3	16	1.9	4	83
C103638	64	4	2.9	6	0.059	98	16	1	29	2.7	18	27
C103640	36	<1	3.9	12	0.156	319	69	2	25	3.3	8	89
C107048	6	<1	0.8	9	0.309	107	79	<1	15	1.9	14	66
C107049	6	<1	24.0	7	0.298	2430	85	3	48	4.7	15	64
C107050	5	<1	1.3	9	0.373	154	87	<1	15	2.0	14	76
C107052	6	<1	<0.3	9	0.320	38	78	<1	12	1.4	16	56
C107053	9	<1	5.5	144	0.408	690	155	<1	21	3.0	17	120
C107054	18	<1	1.0	95	0.327	69	106	7	17	2.1	17	66
C107055	11	<1	<0.3	12	0.302	21	71	<1	15	1.6	17	75
C107052 R	6	<1	<0.3	10	0.320	38	80	1	11	1.4	14	57

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 24

Report No: 06-1154
Date: September 22, 2006

Column Header Details

U3O8 Assay by ICP in wt % (U3O8)

Sample Number	U3O8 wt %
CG515/LS4/BL4A	0.148
C103639	0.190
C107049	0.289

Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standard is BL4A.

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 10

Report No: 06-1154
Date: September 22, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BL4A	0.1	12.4	0.4	39.1	50.3	<0.2	0.3	11.8	48.7	25.7	0.4	<0.2	<0.2	31.5	101	211
C103639	<0.1	41.6	3.0	179	230	<0.2	0.8	1.2	23.2	96.6	<0.2	<0.2	<0.2	1630	9.8	10.1
C103641	3.7	137	376	918	131000	<0.2	1.1	39.6	59.0	77.7	<0.2	18.2	4.9	13.0	19.2	10.5
C107046	1.2	4.7	15.0	11.2	10000	<0.2	0.3	<0.1	8.9	11.4	<0.2	0.4	<0.2	3.2	7.9	30.4
C107056	1.2	121	3.7	68.1	850	<0.2	0.2	133	17.7	6.02	7.7	<0.2	<0.2	37.6	28.4	30.1
C107057	<0.1	8.1	0.7	11.9	92.6	<0.2	0.2	23.4	6.2	4.18	<0.2	<0.2	<0.2	44.2	7.0	26.3
C107058	0.2	13.1	1.8	41.0	37.3	<0.2	0.2	1.6	25.9	2.87	<0.2	<0.2	<0.2	29.0	10.3	25.0
C107059	0.1	16.7	2.5	48.0	54.0	<0.2	0.2	9.0	28.0	9.23	<0.2	<0.2	<0.2	139	8.4	23.2
C107060	0.2	14.5	1.3	36.6	65.4	<0.2	0.2	2.1	15.4	2.37	<0.2	<0.2	<0.2	16.4	8.5	22.5
C107056 R	1.0	113	3.4	65.9	839	<0.2	0.2	128	16.5	5.91	7.2	<0.2	<0.2	36.5	27.4	29.7

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 10

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Geoanalytical Group: 2006-1114

SRC Geoanalytical Laboratories

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March 20, 2007

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Reviewed by: _____

Robert Millar
Assistant Research Scientist

Accreditation: ISO/IEC 17025

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Report No: 06-1114

PO #/Project: Lumina

Date: March 20, 2007

Samples: 25

Fire Assay

Column Header Details

Pd Fire Assay by ICP in ppb (Pd)
Pt Fire Assay by ICP in ppb (Pt)

Sample Number	Pd ppb	Pt ppb
C103628	<2	<2
C103629	<2	<2
C103631	<2	<2
C103632	2	2
C103633	<2	<2
C103634	<2	<2
C103793	16	50
C103794	<2	<2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: March 20, 2007

Fire Assay

Column Header Details

Pd Fire Assay by ICP in ppb (Pd)
Pt Fire Assay by ICP in ppb (Pt)

Sample Number	Pd ppb	Pt ppb
C103618	<2	2
C103619	<2	<2
C103620	<2	<2
C103622	<2	<2
C103623	<2	<2
C103625	<2	<2
C103627	29	15
C103616	<2	<2
C103617	<2	2
C103621	<2	<2
C103624	<2	<2
C103630	<2	<2
C103626	2	<2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-994

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March 20, 2007

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Reviewed by: Robert Millar

Robert Millar
Assistant Research Scientist

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Archer, Cat[illegible] & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: March 20, 2007

Fire Assay

Column Header Details

Pd Fire Assay by ICP in ppb (Pd)
Pt Fire Assay by ICP in ppb (Pt)

Sample Number	Pd ppb	Pt ppb
C103601	<2	<2
C103602	5	6
C103605	3	12
C103607	<2	<2
C103609	<2	<2
C103610	<2	<2
C103612	<2	4
C103613	7	10
C103603	<2	<2
C103606	<2	<2
C103608	<2	<2
C103611	<2	<2
C103614	<2	10
C103604	<2	2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Also located at: 220-6 Research Drive, Regina, SK Canada S4S 7J7 • Ph: 306-787-9400 Fax: 306-787-8811
Web: www.src.sk.ca
Email: info@src.sk.ca

Geoanalytical Group: 2006-1154

SRC Geoanalytical Laboratories

125 - 15 Innovation Blvd.
Saskatoon, Saskatchewan
S7N 2X8

Phone: (306) 933-8118
Fax: (306) 933-5656

March 20, 2007

Archer, Cathro & Associates (1981) Limited
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Reviewed by: _____

Robert Millar
Assistant Research Scientist

Accreditation: ISO/IEC 17025

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Attention:
PO #/Project: LUMINA
Samples: 10

Report No: 06-1154
Date: March 20, 2007

Fire Assay

Column Header Details

Pd Fire Assay by ICP in ppb (Pd)
Pt Fire Assay by ICP in ppb (Pt)

Sample Number	Pd ppb	Pt ppb
C103639	3	<2
C103641	10	3
C107046	<2	<2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Attention:
PO #/Project: LUMINA
Samples: 14

Report No: 06-1154
Date: March 20, 2007

Fire Assay

Column Header Details

Pd Fire Assay by ICP in ppb (Pd)
Pt Fire Assay by ICP in ppb (Pt)

Sample Number	Pd ppb	Pt ppb
C103635	<2	<2
C103636	<2	<2
C103637	<2	<2
C103638	<2	<2
C103640	<2	3

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-1687

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Reviewed by: _____

Robert Millar
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PO #/Project: LUMINA
Samples: 4

Report No: 06-1687
Date: March 20, 2007

Fire Assay

Column Header Details

Pd Fire Assay by ICP in ppb (Pd)
Pt Fire Assay by ICP in ppb (Pt)

Sample Number	Pd ppb	Pt ppb
C107047	<2	<2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-994

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Reviewed by: Chelsey Schneider

Chelsey Schneider

Accreditation: ISO/IEC 17025

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Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C103601	10
C103602	2996
C103605	222
C103607	291
C103609	11
C103610	17
C103612	28
C103613	41
C103603	73
C103606	753
C103608	89
C103611	3
C103614	82
C103604	353
C103604 R	422

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-1114

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Reviewed by: Chelsey Schneider

Chelsey Schneider

Accreditation: ISO/IEC 17025

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Report No: 06-1114
PO #/Project: Lumina Date: December 22, 2006
Samples: 56

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C103618	152
C103619	47
C103620	144
C103622	14
C103623	906
C103625	12
C103627	51
C103616	6
C103617	48
C103621	644
C103624	455
C103630	95
C103626	14
C103630 R	85

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project: YUP (Bonnie)
Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Attention:
PO #/Project: YUP (Bonnie)
Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	0.3	17.7	2360	2.2	4.98	1.0	164	19	129	4	3.1	2.6	2.7	7.38	22	5.8	4.4
C107129	0.6	14.0	587	2.7	0.46	0.3	66	43	105	19	2.9	2.1	1.7	10.8	22	3.9	3.2
C107130	0.8	17.3	544	3.8	0.42	0.5	72	58	103	35	2.9	2.3	1.8	10.9	29	4.1	3.5
C107129 R	0.3	14.1	596	2.7	0.46	0.4	66	43	108	21	2.9	2.2	1.7	10.9	22	3.9	3.4

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Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	0.9	3.23	93	33	3.00	0.074	1	3.31	9	68	25	0.683	17	17	13	9.3	2
C107129	0.7	5.36	36	20	1.56	0.021	3	0.04	8	27	99	0.220	6	5	12	4.8	2
C107130	0.8	6.73	41	25	1.84	0.017	6	0.04	11	29	146	0.254	6	5	16	5.2	2
C107129 R	0.7	5.44	37	20	1.58	0.021	3	0.04	7	27	101	0.220	6	5	12	4.8	2

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PO #/Project: YUP (Bonnie)
Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1210	<1	0.6	14	1.08	4	136	<1	22	2.1	85	154
C107129	12	<1	1.1	14	0.530	110	96	4	19	2.4	23	77
C107130	11	<1	0.8	18	0.637	127	119	4	19	2.5	24	88
C107129 R	11	<1	1.0	14	0.520	107	97	3	20	2.4	21	77

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Geoanalytical Group: 2006-1687

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December 22, 2006

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Reviewed by: Chelsey Schneider

Chelsey Schneider

Accreditation: ISO/IEC 17025

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Attention:
PO #/Project:
Samples: 4

Report No: 06-1687
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C107047	2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-1512

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Reviewed by: Chelsey Schneider

Chelsey Schneider

Accreditation: ISO/IEC 17025

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 22

Report No: 06-1512
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C103644	90
C103642	36
C103643	46
C103643 R	62

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 40

Report No: 06-1512
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C107094	10

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-1154

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C103636	2
C103637	4
C103638	2
C103640	4

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C103628	2
C103629	2
C103631	124
C103632	9
C103633	7
C103634	14
C103793	32

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 11

Report No: 06-1154
Date: December 22, 2006

Column Header Details

Au Fire Assay by ICP in ppb (Au)

Sample Number	Au ppb
C103639	5
C103641	529
C107046	6
C103635	2

Fire Assay: A 30 g pulp is subjected to standard fire assaying procedures.

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Geoanalytical Group: 2006-1600

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Reviewed by: Chelsey Schneider

Chelsey Schneider

Accreditation: ISO/IEC 17025

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	13.3	0.6	38.4	50.9	<0.2	<0.2	13.8	48.0	21.8	<0.2	<0.2	<0.2	35.9	104	200
C107126	1.0	7.0	<0.2	42.8	550	1.1	<0.2	230	9.1	5.09	<0.2	3.5	<0.2	32.3	5.2	<0.1
C107127	<0.1	3.3	0.2	13.0	11.3	<0.2	<0.2	3.4	18.7	1.17	<0.2	<0.2	<0.2	3.9	6.6	<0.1
C107128	<0.1	5.1	0.2	18.3	23.1	<0.2	<0.2	2.3	23.3	1.85	<0.2	<0.2	<0.2	10.2	6.8	<0.1
C107131	<0.1	5.2	0.2	23.9	5.4	<0.2	<0.2	1.5	10.4	1.82	<0.2	<0.2	<0.2	13.8	7.0	<0.1
C107132	1.1	6.8	<0.2	4.7	130	<0.2	<0.2	5.8	6.7	1.03	<0.2	<0.2	<0.2	16.5	9.0	<0.1
C107133	<0.1	3.2	2.3	0.3	3.0	2.7	<0.2	<0.1	<0.1	0.25	31.8	<0.2	0.8	<0.5	1.8	<0.1
C107127 R	<0.1	3.5	0.2	12.9	11.3	<0.2	<0.2	3.2	18.5	1.20	<0.2	<0.2	<0.2	4.1	6.7	<0.1

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 8:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

SRC Geoanalytic: aboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 4

Report No: 06-1600
Date: December 12, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.2	13.4	0.5	41.9	48.4	<0.2	0.2	11.0	48.3	22.4	<0.2	<0.2	<0.2	34.7	97.7	202
C107129	<0.1	7.0	<0.2	32.0	14.3	0.4	<0.2	1.9	40.8	5.21	<0.2	<0.2	<0.2	105	6.7	7.2
C107130	0.1	6.4	<0.2	37.5	23.9	0.4	<0.2	4.8	63.7	5.63	<0.2	<0.2	<0.2	121	6.3	6.7
C107129 R	<0.1	6.9	0.3	29.6	14.3	0.4	<0.2	2.0	40.6	5.15	<0.2	<0.2	<0.2	103	6.4	6.9

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 8:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytic aboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

Report No: 06-1512
Date: December 07, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

Report No: 06-1512
Date: December 07, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

SRC Geoanalytic aboratories

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Report No: 06-1512
PO #/Project: Lumina/Bonnie
Date: December 07, 2006
Samples: 5

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM/BL2a	0.2	17.2	2270	2.1	4.95	0.6	155	17	120	6	3.3	2.4	2.4	7.19	20	5.4	4.2
C103642	0.4	10.8	424	2.7	7.93	<0.2	58	126	87	3300	29.1	9.9	11.0	6.99	14	30.7	<0.5
C103643	1.2	13.7	526	2.5	4.06	0.2	40	75	92	4600	9.2	4.2	3.3	6.55	17	9.1	2.2
C107115	0.3	14.4	480	3.7	2.79	<0.2	45	210	100	230	12.8	4.7	5.2	9.19	20	12.6	2.3
C103643 R	1.0	13.9	535	2.6	4.17	<0.2	38	75	95	4450	9.1	4.3	3.2	6.69	18	9.0	2.8

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

Report No: 06-1512
Date: December 07, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM/BL2a	1.3	3.06	86	29	2.80	0.076	2	3.26	8	62	25	0.688	17	14	12	8.9	3
C103642	4.0	3.95	17	52	6.16	0.390	4	0.04	7	48	148	0.246	625	10	17	24.2	<1
C103643	1.8	5.42	19	37	3.82	0.201	2	0.04	5	23	83	0.308	151	5	14	8.3	<1
C107115	1.9	6.29	18	39	2.88	0.143	6	0.04	10	31	141	0.244	378	6	17	12.8	1
C103643 R	1.8	5.48	17	36	3.89	0.206	2	0.04	5	21	85	0.315	153	4	14	8.0	<1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

Report No: 06-1512
Date: December 07, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4/BM/BL2a	1200	1	<0.3	12	1.08	<2	122	<1	22	1.9	87	153	0.504
C103642	30	<1	<0.3	20	0.402	7700	67	4	105	8.9	65	91	0.939
C103643	22	<1	<0.3	18	0.461	1500	77	5	43	4.2	77	91	0.181
C107115	17	<1	<0.3	16	0.568	3300	91	12	49	5.3	28	93	0.383
C103643 R	22	<1	<0.3	18	0.456	1520	80	6	43	4.2	77	92	0.183

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standard is BL2a.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.7	2350	1.7	4.77	0.5	156	17	124	4	3.3	2.7	2.4	7.51	19	6.5	3.8
C107126	1.1	12.8	415	1.5	7.35	0.4	81	49	65	559	0.4	2.7	1.6	5.34	13	5.3	2.8
C107127	0.2	14.0	361	1.9	3.11	<0.2	50	18	87	11	1.2	1.7	1.1	9.93	20	3.5	3.0
C107128	<0.2	13.2	412	1.8	1.54	<0.2	48	23	96	24	1.3	1.5	1.0	9.77	16	3.3	3.1
C107131	<0.2	13.1	843	1.7	4.84	<0.2	47	26	75	6	0.8	2.0	1.2	10.3	18	3.5	3.5
C107132	1.3	14.6	531	1.9	5.84	0.4	83	8	79	134	0.9	2.2	1.5	9.66	19	4.7	3.4
C107133	<0.2	0.33	13	<0.2	30.1	0.2	<1	1	33	1	0.4	1.7	<0.2	0.26	<1	<0.5	<0.5
C107127 R	<0.2	13.9	359	1.9	3.13	<0.2	53	18	84	11	1.1	1.8	1.1	9.90	20	3.6	2.9

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.17	83	29	2.94	0.079	2	3.38	8	64	24	0.673	18	16	11	9.4	1
C107126	0.9	5.34	45	15	4.27	0.556	249	0.04	4	32	36	0.226	14	8	10	6.2	<1
C107127	0.6	5.65	29	18	2.76	0.181	4	0.04	8	21	73	0.236	3	4	10	4.2	<1
C107128	0.7	5.32	26	18	2.00	0.088	3	0.04	6	19	75	0.226	3	4	7	4.0	<1
C107131	0.7	5.65	27	13	3.81	0.282	2	0.04	4	20	37	0.218	5	4	9	4.2	<1
C107132	0.8	5.93	48	15	4.38	0.343	7	0.03	6	32	33	0.238	5	8	11	6.1	<1
C107133	<0.4	0.063	1	1	20.6	0.018	<1	0.01	1	1	4	0.088	1	2	<1	<0.5	<1
C107127 R	0.8	5.65	30	17	2.79	0.179	4	0.04	7	22	73	0.231	2	5	10	4.4	<1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: YUP (Bonnie)
Samples: 8

Report No: 06-1600
Date: December 12, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1220	<1	<0.3	14	1.01	2	134	1	21	1.9	89	145
C107126	29	<1	<0.3	14	0.310	33	77	3	21	2.3	26	65
C107127	14	<1	<0.3	12	0.445	4	91	5	14	1.9	23	63
C107128	14	<1	<0.3	11	0.411	11	72	5	13	1.7	25	64
C107131	28	<1	<0.3	14	0.357	14	77	6	15	2.0	26	63
C107132	29	<1	<0.3	15	0.403	17	87	7	18	2.1	30	69
C107133	95	2	<0.3	3	<0.001	5	5	3	4	0.2	<1	<1
C107127 R	14	1	<0.3	12	0.454	6	92	6	14	1.9	22	62

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Geoanalytical Group: 2006-1512

SRC Geoanalytical Laboratories

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December 07, 2006

Archer, Cathro & Associates (1981) Limited
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Pat Archibald

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Archer, Cat... & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 5

Report No: 06-15...
Date: December 06, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM/BL?	<0.1	12.6	0.5	37.2	50.2	<0.2	<0.2	13.8	48.6	21.7	<0.2	<0.2	<0.2	33.4	100	198
C103642	<0.1	30.9	<0.2	123	3250	<0.2	0.2	4.2	119	577	<0.2	<0.2	2.7	7600	16.5	5.5
C103643	0.4	12.3	<0.2	72.4	4500	3.5	<0.2	1.8	47.8	95.9	<0.2	0.8	1.3	1470	8.9	5.7
C107115	0.1	54.7	4.7	207	226	<0.2	<0.2	6.1	78.9	373	<0.2	1.8	1.2	3230	9.5	7.1
C103643 R	0.5	12.6	<0.2	72.5	4310	3.8	<0.2	1.7	46.7	96.9	<0.2	0.9	1.2	1500	8.5	5.8

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytic aboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM	<0.1	11.6	0.7	39.3	47.5	<0.2	<0.2	12.5	47.8	23.1	<0.2	<0.2	<0.2	35.2	95.9	205
C107061	0.1	43.1	0.4	38.7	77.5	<0.2	<0.2	9.4	32.1	1.69	<0.2	<0.2	0.2	12.3	5.8	5.1
C107062	<0.1	7.9	0.9	64.0	1.8	<0.2	<0.2	5.4	32.2	1.98	<0.2	0.3	<0.2	4.5	23.6	5.2
C107064	<0.1	12.1	0.7	73.0	2.9	<0.2	<0.2	2.5	41.6	3.19	<0.2	<0.2	<0.2	14.7	35.1	10.6
C107065	<0.1	3.8	2.5	0.5	1.4	3.1	<0.2	<0.1	<0.1	0.34	22.9	<0.2	0.6	<0.5	1.3	0.7
C107066	1.3	66.6	3.4	170	70.8	<0.2	<0.2	153	81.6	10.1	8.3	6.5	3.2	36.4	102	7.7
C107068	<0.1	19.3	0.8	228	6.6	<0.2	<0.2	2.8	99.7	3.95	<0.2	<0.2	<0.2	10.8	18.9	8.4
C107069	0.1	27.0	0.9	271	14.7	<0.2	<0.2	7.8	120	8.11	1.3	0.5	<0.2	25.3	32.2	6.1
C107070	<0.1	3.1	0.5	71.6	19.2	0.7	<0.2	5.5	13.6	0.86	<0.2	<0.2	0.2	13.5	5.5	4.5
C107071	<0.1	4.1	0.9	64.0	3.3	1.0	<0.2	4.4	12.4	1.78	<0.2	<0.2	0.6	27.3	4.1	4.2
C107073	<0.1	3.9	1.1	22.2	2.6	0.7	<0.2	8.4	7.8	0.57	<0.2	<0.2	0.8	16.2	6.8	3.3
C107074	<0.1	1.7	0.8	11.2	0.5	0.2	<0.2	3.1	7.0	0.17	0.3	<0.2	<0.2	6.9	6.3	3.4
C107075	<0.1	6.8	0.8	6.1	0.6	0.6	<0.2	1.6	6.6	0.71	<0.2	<0.2	0.2	3.3	5.0	5.0
C107076	<0.1	15.0	<0.2	7.6	131	<0.2	0.5	1.5	9.3	2.53	<0.2	<0.2	2.7	4.4	5.5	3.7
C107077	<0.1	24.5	<0.2	28.3	229	<0.2	<0.2	1.2	25.1	3.19	1.4	<0.2	<0.2	5.9	11.4	6.2
C107078	<0.1	14.3	<0.2	12.2	226	0.5	<0.2	3.9	21.6	2.62	1.0	<0.2	<0.2	7.3	11.6	6.1
C107079	<0.1	14.9	<0.2	12.1	224	0.5	<0.2	4.1	21.6	2.52	1.2	<0.2	0.4	7.6	11.5	3.5
C107080	<0.1	2.9	0.5	29.7	16.7	0.7	<0.2	1.3	13.3	1.57	<0.2	<0.2	<0.2	37.5	4.7	2.6
C107082	<0.1	3.1	0.9	28.1	2.0	1.0	<0.2	2.2	9.1	1.39	<0.2	<0.2	0.5	35.5	4.5	2.5
C107083	<0.1	4.6	1.1	30.0	3.3	0.4	<0.2	8.1	11.0	1.27	<0.2	<0.2	<0.2	31.2	7.3	2.9
CG515/LS4/BH	<0.1	11.2	0.9	39.9	50.9	<0.2	<0.2	12.7	48.4	22.7	<0.2	<0.2	<0.2	35.1	104	199
C107084	<0.1	4.6	1.2	11.0	1.4	0.5	<0.2	2.1	8.8	0.40	0.6	<0.2	<0.2	8.3	5.8	3.3
C107085	<0.1	14.7	1.4	50.0	2.6	<0.2	<0.2	12.6	8.7	0.20	6.6	<0.2	<0.2	4.9	9.7	2.7
C107086	<0.1	28.5	1.5	26.7	57.2	0.4	<0.2	5.0	11.2	3.05	<0.2	<0.2	<0.2	31.7	5.6	3.1
C107087	<0.1	28.2	2.2	40.8	72.7	<0.2	<0.2	2.6	17.4	5.57	0.9	<0.2	<0.2	121	8.0	4.5
C107088	<0.1	93.7	1.0	51.4	52.0	0.7	<0.2	1.5	9.1	1.21	<0.2	<0.2	0.3	22.2	7.2	3.6
C107089	<0.1	3.4	2.4	0.4	1.6	3.2	<0.2	0.1	<0.1	0.30	25.9	0.3	0.8	<0.5	1.1	0.5
C107090	<0.1	7.7	1.0	50.9	5.8	0.7	<0.2	7.9	10.5	0.71	<0.2	<0.2	0.3	5.4	7.1	2.4
C107091	<0.1	1.8	1.1	24.5	3.1	1.0	<0.2	0.8	11.0	0.26	<0.2	<0.2	<0.2	9.7	4.8	4.7
C107092	<0.1	2.3	1.0	37.3	12.1	1.3	<0.2	0.6	12.2	0.67	<0.2	<0.2	0.3	11.1	5.6	4.2
C107093	<0.1	2.1	0.9	32.0	3.1	0.2	<0.2	0.9	13.5	0.26	<0.2	<0.2	<0.2	10.9	6.2	3.1
C107094	<0.1	1.9	0.8	37.8	30.9	0.6	<0.2	0.6	11.5	1.39	<0.2	<0.2	<0.2	22.2	4.7	3.7
C107095	0.1	4.1	1.9	68.3	11.7	0.2	<0.2	29.9	21.6	8.72	<0.2	<0.2	0.3	133	4.3	7.1
C107096	<0.1	2.6	0.6	36.7	22.8	0.2	<0.2	0.6	11.0	1.04	<0.2	<0.2	<0.2	21.2	5.4	4.4
C107099	<0.1	1.7	0.4	31.0	5.3	<0.2	<0.2	0.9	22.1	0.92	<0.2	<0.2	<0.2	25.8	6.3	6.1
C107101	0.2	5.5	1.4	61.1	6.7	<0.2	.1	72.3	22.3	3.89	<0.2	<0.2	<0.2	56.8	10.9	6.3
C107104	<0.1	3.5	0.8	20.5	12.7	0.3	3.	6.4	16.8	2.96	<0.2	<0.2	<0.2	23.3	5.1	2.5
C107106	<0.1	11.6	1.9	84.3	19.5	<0.2	<0.2	21.3	22.3	2.18	<0.2	<0.2	0.6	34.3	4.3	2.1
C107107	<0.1	6.3	1.5	55.8	8.0	<0.2	<0.2	7.9	22.8	0.68	<0.2	<0.2	<0.2	14.9	6.0	3.3
C107099 R	<0.1	1.9	0.5	32.6	4.9	<0.2	<0.2	0.9	21.8	0.87	<0.2	<0.2	<0.2	25.8	6.2	5.8

SRC Geoanalytic aboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM	<0.1	13.3	0.6	38.2	47.6	<0.2	<0.2	13.2	48.5	23.4	<0.2	<0.2	<0.2	35.5	105	208
C107108	<0.1	9.2	1.5	58.1	16.0	<0.2	<0.2	29.4	21.2	1.67	<0.2	0.7	<0.2	23.1	5.7	3.2
C107109	<0.1	4.1	1.0	36.5	4.6	0.2	<0.2	8.9	15.8	0.74	1.6	<0.2	<0.2	7.6	6.5	2.5
C107110	<0.1	6.6	1.2	30.2	9.0	0.3	<0.2	50.3	11.1	0.53	<0.2	1.5	<0.2	7.6	5.5	2.7
C107111	0.1	5.1	2.0	10.7	2.0	0.5	<0.2	235	9.5	1.74	<0.2	2.0	<0.2	29.0	6.1	2.0
C107113	<0.1	26.3	0.7	82.7	18.5	<0.2	<0.2	4.3	36.9	11.1	<0.2	<0.2	<0.2	107	5.7	3.7
C107114	<0.1	3.3	0.6	12.6	74.8	0.2	<0.2	1.9	17.9	3.38	<0.2	<0.2	<0.2	25.4	5.9	3.4
C107116	<0.1	3.2	2.2	0.4	1.5	3.3	<0.2	0.1	<0.1	0.35	25.7	<0.2	1.2	<0.5	1.2	<0.1
C107117	<0.1	2.4	0.4	10.6	19.5	0.5	<0.2	3.1	9.8	1.03	<0.2	<0.2	<0.2	9.2	5.4	5.1
C107118	<0.1	2.5	0.6	5.5	3.2	0.3	<0.2	2.7	5.7	0.55	<0.2	<0.2	<0.2	3.5	5.6	4.0
C107119	<0.1	6.4	0.2	39.3	24.6	<0.2	<0.2	2.8	4.8	0.81	<0.2	<0.2	<0.2	3.7	5.4	6.2
C107120	0.3	31.7	0.7	175	106	<0.2	<0.2	20.5	44.1	2.71	<0.2	<0.2	<0.2	4.9	33.0	7.5
C107123	<0.1	2.6	0.4	5.5	22.5	0.2	<0.2	1.0	4.6	1.20	<0.2	<0.2	<0.2	3.3	5.3	5.5
C107124	0.1	5.7	0.9	20.8	50.3	0.3	<0.2	1.3	10.6	4.59	<0.2	<0.2	<0.2	3.0	4.5	4.5
C107119 R	<0.1	6.2	0.4	39.3	24.0	0.2	<0.2	2.7	4.9	0.86	<0.2	<0.2	<0.2	3.9	5.2	5.7

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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PO #/Project: Lumina/Bonnie
Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BM	<0.1	12.3	0.5	37.9	51.2	<0.2	<0.2	14.0	49.4	22.2	<0.2	<0.2	<0.2	34.2	101	200
C103644	1.6	116	<0.2	63.1	4790	5.9	1.1	19.0	13.8	70.3	5.5	<0.2	1.0	234	10.1	5.1
C107063	<0.1	13.3	0.4	127	15.8	0.2	<0.2	5.0	46.7	21.2	<0.2	<0.2	<0.2	300	27.6	2.6
C107067	0.4	19.5	1.2	264	92.9	2.9	<0.2	29.1	106	7.20	8.1	<0.2	<0.2	56.7	25.9	4.6
C107072	<0.1	12.1	0.9	115	11.7	3.3	<0.2	14.1	15.8	4.65	2.5	<0.2	<0.2	88.5	6.2	2.3
C107081	<0.1	6.0	0.3	51.1	2.1	3.5	<0.2	1.6	12.0	10.9	3.7	<0.2	<0.2	246	5.3	3.1
C107097	<0.1	4.8	<0.2	43.4	1.5	2.6	<0.2	2.0	19.8	6.09	1.0	<0.2	<0.2	73.6	8.1	2.5
C107098	0.2	3.7	<0.2	47.9	3020	4.9	<0.2	1.9	31.8	3.17	1.4	<0.2	<0.2	62.0	12.2	4.1
C107100	<0.1	6.8	0.6	41.9	15.1	2.8	<0.2	8.2	23.5	16.0	<0.2	0.2	<0.2	225	8.6	2.5
C107102	<0.1	11.6	1.3	58.6	12.6	2.1	<0.2	19.6	28.8	4.42	<0.2	<0.2	0.4	78.7	6.3	2.7
C107103	<0.1	5.1	0.8	24.0	7.0	1.7	<0.2	35.3	16.7	3.43	<0.2	<0.2	0.5	41.2	7.5	3.0
C107105	<0.1	12.1	1.2	68.2	28.4	2.9	<0.2	6.1	25.7	3.31	2.2	1.5	<0.2	78.3	7.6	3.2
C107112	0.1	112	0.6	80.0	384	1.0	<0.2	13.3	39.5	36.2	<0.2	<0.2	<0.2	569	6.7	3.4
C107121	<0.1	7.5	<0.2	44.3	363	<0.2	<0.2	1.4	98.9	0.27	<0.2	<0.2	<0.2	2.6	66.6	3.7
C107122	<0.1	2.8	0.2	6.2	18.4	2.5	<0.2	2.0	4.5	1.27	<0.2	<0.2	<0.2	4.7	5.1	2.1
C107125	<0.1	5.5	<0.2	7.4	214	1.5	<0.2	1.4	8.5	11.9	<0.2	<0.2	0.8	154	6.5	2.4
C107121 R	<0.1	7.2	<0.2	43.0	368	<0.2	<0.2	1.4	99.3	0.25	<0.2	<0.2	<0.2	2.4	67.8	3.5

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

SRC Geoanalytical Laboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Samples: 17

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	0.2	17.1	2330	2.1	5.04	0.5	158	17	124	5	3.3	2.4	2.4	7.42	20	5.4	4.7
C103644	29.2	12.8	1510	1.8	2.95	0.6	103	66	100	4800	6.4	3.9	3.8	11.8	16	6.3	4.3
C107063	0.3	12.5	15	0.3	6.41	<0.2	3	130	79	19	2.9	2.2	1.3	4.89	12	3.1	2.8
C107067	0.4	11.0	51	0.4	11.6	<0.2	11	285	73	95	0.2	2.1	1.0	8.73	12	1.5	3.9
C107072	<0.2	13.6	814	3.4	7.57	<0.2	30	122	57	13	1.4	2.4	1.1	6.00	19	2.7	3.5
C107081	0.5	12.7	630	3.3	8.63	<0.2	79	51	56	3	1.0	2.6	2.0	6.18	17	4.4	2.7
C107097	0.3	15.4	713	3.8	5.98	0.3	107	46	61	3	2.3	2.5	2.0	7.13	22	4.7	3.5
C107098	0.8	17.9	747	4.3	3.42	0.4	117	52	98	3090	2.1	2.2	1.9	9.34	27	4.2	4.3
C107100	<0.2	13.7	509	3.4	7.30	0.2	87	47	57	18	3.0	3.0	2.1	6.73	20	5.4	3.1
C107102	<0.2	14.4	436	3.2	5.58	0.2	31	60	56	13	1.1	2.1	0.9	5.45	22	2.2	3.3
C107103	<0.2	14.1	384	3.0	4.78	0.3	105	26	65	8	1.7	2.0	1.6	4.16	20	4.2	2.6
C107105	<0.2	12.3	276	2.2	8.23	<0.2	38	70	54	30	0.6	2.0	1.1	5.68	18	2.6	2.6
C107112	0.4	12.6	675	2.0	5.56	<0.2	52	82	71	390	4.1	3.0	2.1	7.59	16	5.3	3.0
C107121	0.8	15.5	404	1.2	3.56	0.3	7	46	170	390	0.8	1.9	1.1	12.9	22	1.0	4.5
C107122	<0.2	13.3	614	2.0	5.71	0.2	79	9	65	20	1.3	2.2	1.4	6.93	17	3.2	3.0
C107125	<0.2	12.1	1000	2.4	4.24	0.4	69	10	70	215	3.4	2.3	1.6	4.07	14	5.2	2.7
C107121 R	0.8	15.4	396	1.3	3.54	0.3	7	50	174	382	1.0	2.0	1.1	12.8	21	1.0	4.4

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Report No: 06-1512
PO #/Project: Lumina/Bonnie
Date: December 06, 2006
Samples: 17

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1160	<1	<0.3	14	1.09	4	123	2	22	1.9	89	159
C103644	34	<1	0.7	16	0.434	237	108	20	33	3.6	91	89
C107063	34	<1	<0.3	11	0.114	310	32	3	17	2.2	31	71
C107067	55	<1	<0.3	10	0.115	60	32	5	16	2.0	67	74
C107072	31	<1	<0.3	11	0.383	90	86	5	22	2.4	14	78
C107081	36	<1	<0.3	13	0.390	250	77	3	24	2.3	11	72
C107097	23	1	<0.3	15	0.429	75	98	6	21	2.3	27	72
C107098	13	<1	<0.3	18	0.463	65	128	5	19	2.4	71	98
C107100	25	<1	<0.3	13	0.417	230	88	7	26	2.9	22	81
C107102	23	<1	<0.3	12	0.425	80	97	8	18	2.2	12	86
C107103	20	<1	<0.3	14	0.353	44	90	7	17	2.0	12	84
C107105	27	<1	<0.3	8	0.267	80	70	7	17	2.0	10	76
C107112	17	1	<0.3	12	0.393	570	76	9	28	3.1	27	76
C107121	23	<1	<0.3	<1	1.12	2	469	<1	17	2.5	51	63
C107122	29	<1	<0.3	13	0.397	4	68	9	18	2.1	15	79
C107125	26	<1	<0.3	13	0.417	165	64	5	21	2.3	15	81
C107121 R	23	<1	<0.3	<1	1.13	3	467	<1	17	2.6	51	65

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

SRC Geoanalytical Laboratories

Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8
Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Attention:
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Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	<0.2	17.3	2330	1.7	4.64	0.7	156	17	117	5	3.1	2.5	2.4	7.27	19	6.1	4.0
C107061	0.2	18.4	430	3.5	1.53	1.0	87	40	110	85	2.6	2.0	1.1	2.97	20	4.3	2.4
C107062	0.4	12.5	15	0.3	8.25	0.4	5	69	48	2	<0.2	1.5	0.5	5.09	11	1.2	2.0
C107064	<0.2	13.4	19	0.3	6.69	0.2	25	74	53	4	<0.2	1.6	0.8	6.11	14	2.0	2.2
C107065	<0.2	0.21	18	<0.2	29.5	0.2	<1	<1	26	1	0.3	1.6	<0.2	0.15	<1	<0.5	<0.5
C107066	1.5	4.29	29	<0.2	20.4	<0.2	165	192	32	72	<0.2	4.3	4.2	17.2	11	9.2	3.8
C107068	<0.2	14.2	315	0.2	8.30	<0.2	2	231	46	7	<0.2	1.6	0.5	6.22	12	1.4	2.9
C107069	<0.2	11.9	60	0.2	9.33	<0.2	2	278	51	13	<0.2	1.9	0.7	7.94	10	1.9	2.9
C107070	<0.2	14.9	1140	3.0	6.56	0.2	97	83	62	19	0.2	2.3	1.7	7.21	18	4.5	3.0
C107071	<0.2	13.3	852	2.7	8.41	0.2	81	69	69	3	0.2	2.3	1.6	6.34	16	4.4	2.7
C107073	<0.2	16.0	491	2.3	7.24	0.6	114	25	60	3	0.5	2.1	1.7	5.21	20	4.8	2.6
C107074	<0.2	15.6	521	2.3	6.76	0.5	105	16	60	<1	1.2	2.3	1.8	5.43	19	5.1	2.7
C107075	<0.2	12.6	416	2.1	7.78	0.3	72	7	67	1	0.9	2.1	1.3	8.98	16	4.0	2.2
C107076	<0.2	12.0	681	1.8	3.50	0.7	77	9	95	133	2.7	2.3	1.2	2.84	12	4.4	1.3
C107077	<0.2	13.1	683	1.9	8.37	0.6	70	30	72	230	2.3	2.3	1.1	3.68	14	4.5	1.8
C107078	<0.2	11.7	732	1.5	10.1	0.8	59	13	50	230	1.5	2.6	1.0	3.41	12	4.1	1.3
C107079	<0.2	14.3	860	2.7	6.55	0.4	92	31	61	19	<0.2	2.2	2.0	7.12	17	4.3	2.6
C107080	<0.2	14.7	856	2.9	6.87	0.3	99	29	58	3	<0.2	2.2	2.0	6.41	18	4.5	2.6
C107082	<0.2	14.3	614	2.9	7.68	0.7	91	28	63	2	<0.2	2.3	1.5	5.64	17	4.6	2.6
C107083	<0.2	15.2	592	3.2	8.29	0.4	101	32	64	4	0.4	2.6	1.6	6.42	19	4.8	2.5
CG515/LS4/BH	<0.2	17.8	2350	1.7	4.64	0.6	155	18	119	4	3.1	2.5	2.4	7.38	19	6.0	3.5
C107084	<0.2	12.5	154	0.9	9.26	0.5	26	11	43	2	<0.2	1.8	0.6	4.04	7	2.2	2.5
C107085	<0.2	12.0	57	0.3	11.7	0.3	14	51	33	3	<0.2	1.9	0.6	4.50	5	2.4	2.2
C107086	<0.2	13.0	118	0.6	6.36	0.8	61	27	44	58	0.6	1.7	0.7	2.58	8	2.5	1.8
C107087	<0.2	10.9	132	0.6	7.83	0.5	53	41	35	75	0.5	1.8	0.7	3.00	7	2.8	1.9
C107088	<0.2	12.1	92	0.4	8.85	0.7	34	52	37	54	<0.2	1.7	0.7	3.19	7	2.8	1.9
C107089	<0.2	0.23	18	<0.2	31.6	0.2	<1	<1	24	1	0.3	1.8	<0.2	0.18	<1	<0.5	<0.5
C107090	<0.2	12.5	128	0.5	9.55	0.3	49	52	47	6	<0.2	2.0	0.9	3.81	7	3.3	2.0
C107091	<0.2	13.1	1010	2.4	8.37	0.2	81	28	50	3	<0.2	2.3	1.5	7.74	16	4.3	2.7
C107092	<0.2	13.6	986	2.5	8.66	0.4	81	41	55	12	<0.2	2.2	1.6	7.13	17	4.2	2.7
C107093	0.2	14.1	952	2.6	6.33	0.4	93	34	64	3	<0.2	2.1	1.6	7.43	18	4.7	2.8
C107094	<0.2	15.3	943	2.9	6.90	0.5	103	41	62	34	0.3	2.3	1.8	6.69	18	5.0	3.2
C107095	5.7	11.0	529	1.8	7.71	<0.2	84	75	63	10	0.7	2.5	1.8	7.90	13	5.4	2.7
C107096	<0.2	14.4	704	2.6	6.56	0.3	91	41	55	23	0.5	2.3	1.5	6.14	17	4.4	2.5
C107099	<0.2	15.2	618	3.1	3.25	0.5	94	33	64	7	1.3	2.0	1.4	6.55	20	4.3	3.0
C107101	0.3	12.8	346	2.1	7.95	<0.2	97	66	55	7	0.7	2.6	1.7	7.53	18	5.3	2.6
C107104	<0.2	14.2	382	2.4	6.38	0.4	103	23	60	13	1.1	2.2	1.7	4.47	18	4.7	2.1
C107106	<0.2	14.9	376	2.2	4.85	0.4	96	88	63	20	0.9	1.7	1.6	5.02	20	4.4	2.5
C107107	<0.2	15.0	347	2.2	6.17	0.5	101	57	66	8	0.8	2.0	1.7	5.86	20	4.5	2.6
C107099 R	<0.2	15.5	626	3.1	3.36	0.4	96	33	66	6	1.4	2.0	1.4	6.69	20	4.2	2.6

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Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BM	<0.2	17.9	2360	1.7	4.79	0.5	160	18	126	4	3.3	2.7	2.4	7.42	19	6.4	3.4
C107108	0.2	14.4	368	2.1	5.24	0.3	65	63	60	17	0.8	1.8	1.2	4.93	20	3.4	2.5
C107109	<0.2	15.1	391	2.2	5.73	0.5	109	42	54	4	1.3	2.0	1.9	4.95	21	5.2	2.4
C107110	<0.2	15.1	392	2.1	5.56	0.6	114	33	62	9	1.2	2.0	1.9	4.73	21	5.0	2.3
C107111	<0.2	15.7	154	0.8	8.37	0.8	27	12	59	2	0.4	2.0	0.9	3.79	13	2.5	2.4
C107113	0.4	15.0	421	2.3	3.13	<0.2	80	95	78	19	2.7	2.5	1.7	10.3	20	5.5	3.8
C107114	<0.2	14.8	501	2.1	4.22	0.4	94	16	76	78	0.9	2.3	1.6	10.7	20	4.4	3.4
C107116	<0.2	0.16	15	<0.2	32.3	<0.2	<1	<1	29	<1	0.3	1.8	<0.2	0.14	<1	<0.5	<0.5
C107117	<0.2	14.3	372	1.9	3.93	0.2	106	15	69	19	1.3	2.1	1.7	10.2	20	5.2	2.9
C107118	<0.2	14.1	376	1.9	5.37	0.3	92	8	74	4	0.8	2.2	1.6	10.8	19	4.9	3.4
C107119	<0.2	14.6	587	1.8	3.54	0.2	87	41	76	23	1.4	1.9	1.6	11.0	20	4.6	3.2
C107120	0.7	13.9	521	1.3	1.67	<0.2	56	177	123	108	1.2	1.8	1.3	9.05	18	3.9	2.7
C107123	0.2	15.9	613	2.3	3.32	0.5	91	8	67	22	1.8	2.2	1.5	8.48	21	4.7	2.9
C107124	0.2	15.2	574	2.0	4.84	0.3	34	25	79	51	0.9	2.1	0.9	6.61	18	3.1	2.8
C107119 R	<0.2	14.3	574	1.8	3.45	0.2	87	40	79	24	1.5	2.1	1.6	10.7	20	4.8	3.5

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Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.2	3.05	83	27	2.71	0.074	1	3.17	8	63	24	0.670	17	16	11	9.2	<1
C107061	1.0	6.04	45	12	1.47	0.079	11	0.13	11	35	42	0.140	4	8	13	6.5	<1
C107062	0.4	0.049	4	6	4.31	0.293	4	7.11	<1	4	37	0.182	4	<1	9	0.7	<1
C107064	0.4	0.090	14	15	4.11	0.238	1	7.10	1	11	49	0.225	5	2	8	1.9	<1
C107065	<0.4	0.027	1	1	18.8	0.011	<1	0.02	<1	1	3	0.095	1	2	<1	<0.5	<1
C107066	1.2	0.152	109	11	8.38	0.893	154	2.00	18	60	116	0.864	14	16	4	10.8	<1
C107068	0.4	0.033	3	12	4.37	0.307	2	8.05	<1	3	106	0.221	7	<1	8	0.6	<1
C107069	0.5	0.035	2	10	5.18	0.342	7	6.57	<1	4	132	0.215	10	<1	9	0.9	<1
C107070	0.8	5.64	59	20	3.77	0.418	5	0.11	7	36	37	0.223	1	9	11	6.6	<1
C107071	0.8	4.99	50	18	4.68	0.500	5	0.07	4	31	31	0.195	3	8	10	5.9	<1
C107073	0.7	5.63	66	17	4.38	0.344	9	0.79	3	43	30	0.224	1	11	12	7.3	<1
C107074	0.8	5.75	63	17	3.96	0.343	2	0.35	3	40	33	0.207	1	10	11	7.2	<1
C107075	0.7	4.90	43	26	3.75	0.264	2	0.04	4	28	32	0.214	2	7	9	5.2	<1
C107076	0.9	2.74	41	41	0.861	0.128	2	0.02	3	31	22	0.276	5	7	8	5.7	<1
C107077	0.7	2.58	37	42	1.32	0.202	<1	0.11	6	29	35	0.272	7	7	8	5.5	<1
C107078	0.8	2.05	32	41	0.853	0.355	5	0.02	1	25	30	0.301	7	6	8	4.7	<1
C107079	0.8	5.35	56	20	3.61	0.449	1	0.05	6	34	33	0.214	4	8	10	6.2	<1
C107080	0.8	5.48	60	19	3.57	0.486	<1	0.06	7	37	29	0.211	5	10	10	6.7	<1
C107082	0.8	5.02	56	17	4.23	0.515	1	0.40	5	35	26	0.211	3	9	10	6.0	<1
C107083	0.7	5.33	61	22	4.88	0.487	9	0.21	6	39	28	0.213	3	10	11	6.8	<1
CG515/LS4/BH	1.1	3.05	82	27	2.79	0.077	1	3.21	8	63	25	0.669	17	15	12	9.1	<1
C107084	0.4	2.00	17	10	5.62	0.362	1	3.45	<1	11	15	0.194	<1	2	6	1.9	<1
C107085	0.5	0.451	9	3	6.58	0.444	13	6.28	<1	8	14	0.186	2	2	6	1.4	<1
C107086	0.4	1.15	42	6	3.86	0.240	5	5.38	1	20	16	0.191	5	5	6	2.8	<1
C107087	0.6	1.22	36	8	4.75	0.303	2	4.13	1	18	23	0.173	9	5	6	3.1	<1
C107088	0.4	0.775	19	3	5.02	0.331	1	5.77	<1	16	13	0.183	2	4	6	2.9	<1
C107089	<0.4	0.034	2	1	21.0	0.017	<1	0.02	1	1	3	0.081	1	2	<1	<0.5	<1
C107090	0.4	0.976	28	4	5.56	0.387	8	5.58	<1	21	17	0.186	1	5	7	3.7	<1
C107091	0.7	4.91	49	18	4.74	0.598	<1	0.08	6	31	30	0.199	2	8	9	5.6	<1
C107092	0.8	5.02	50	17	4.78	0.637	<1	0.11	5	31	32	0.206	2	7	10	5.6	<1
C107093	0.7	5.00	57	22	4.13	0.468	<1	0.16	5	35	32	0.212	3	8	10	6.5	<1
C107094	0.9	5.57	63	22	4.28	0.499	<1	0.14	7	39	32	0.231	4	10	10	7.1	<1
C107095	0.7	3.26	50	33	6.04	0.511	36	0.05	2	34	42	0.219	11	8	7	6.7	<1
C107096	0.8	4.75	54	26	4.85	0.421	<1	0.55	5	35	28	0.212	3	9	10	6.2	<1
C107099	0.8	5.21	56	26	3.47	0.200	<1	0.05	5	35	41	0.229	3	9	11	6.3	<1
C107101	0.8	4.07	56	31	6.08	0.470	88	0.09	5	38	40	0.209	7	9	9	6.8	<1
C107104	0.6	5.36	61	16	4.15	0.340	8	0.05	3	39	39	0.197	5	10	10	6.9	<1
C107106	0.5	5.58	55	14	3.28	0.268	25	0.06	3	37	48	0.201	4	9	10	6.8	<1
C107107	0.6	5.39	59	20	4.42	0.306	7	0.09	1	38	47	0.211	2	9	11	6.7	<1
C107099 R	0.7	5.28	56	26	3.54	0.205	<1	0.05	6	36	41	0.230	3	9	11	6.3	<1

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Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BM	1.3	3.15	84	28	2.98	0.079	1	3.31	8	65	25	0.682	16	16	11	9.4	<1
C107108	0.6	5.43	37	14	3.56	0.283	29	0.06	3	25	45	0.204	4	6	10	4.6	<1
C107109	0.8	5.76	62	14	3.69	0.294	9	0.07	3	40	41	0.214	2	10	11	7.4	<1
C107110	0.5	5.76	66	15	3.77	0.273	59	0.06	2	42	35	0.206	2	11	11	7.4	<1
C107111	0.6	2.69	17	8	5.05	0.322	249	5.19	3	11	21	0.212	2	2	10	2.0	<1
C107113	1.0	6.22	44	26	2.77	0.190	5	0.05	8	33	87	0.244	14	7	12	6.8	<1
C107114	0.8	6.55	53	23	3.52	0.239	2	0.04	8	35	75	0.252	6	8	11	6.1	<1
C107116	<0.4	0.043	1	1	22.1	0.014	<1	<0.01	1	<1	2	0.079	1	1	<1	<0.5	<1
C107117	0.9	6.17	62	23	3.41	0.225	3	0.04	6	40	42	0.235	3	10	10	7.2	<1
C107118	0.9	5.78	55	17	3.36	0.352	3	0.04	6	35	39	0.236	3	8	10	6.4	<1
C107119	0.7	6.72	49	11	2.94	0.197	4	0.05	7	34	26	0.242	3	8	10	6.5	<1
C107120	0.7	5.28	28	14	2.42	0.174	24	0.04	7	25	61	0.203	5	4	20	4.9	<1
C107123	0.8	6.59	49	15	2.68	0.190	1	0.04	7	36	34	0.235	3	8	11	6.7	<1
C107124	0.8	6.35	19	16	3.55	0.288	1	0.05	6	15	40	0.207	6	3	10	3.3	<1
C107119 R	0.8	6.62	49	11	2.88	0.193	5	0.05	7	34	25	0.234	2	8	10	6.6	<1

SRC Geoanalytical Laboratories
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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1140	1	<0.3	14	1.00	2	123	1	21	1.8	92	144
C107061	15	<1	<0.3	16	0.686	12	97	5	17	2.0	25	87
C107062	39	<1	<0.3	12	0.111	4	33	3	9	1.3	22	60
C107064	33	<1	<0.3	13	0.153	15	48	1	11	1.5	51	67
C107065	108	3	0.3	2	<0.001	4	2	<1	3	0.1	<1	<1
C107066	73	3	1.5	9	0.099	37	165	1	28	3.1	35	15
C107068	46	<1	<0.3	14	0.123	11	25	<1	12	1.6	44	71
C107069	45	<1	<0.3	14	0.099	27	36	<1	13	1.7	34	65
C107070	33	<1	<0.3	15	0.404	14	84	7	17	2.0	11	70
C107071	36	<1	<0.3	14	0.310	28	76	4	18	2.0	10	61
C107073	27	<1	<0.3	16	0.270	17	98	5	15	1.9	8	76
C107074	27	<1	<0.3	15	0.287	7	89	4	18	2.0	7	72
C107075	25	1	<0.3	14	0.368	3	74	4	15	1.6	18	27
C107076	14	<1	<0.3	13	0.329	5	60	<1	19	2.2	13	49
C107077	47	<1	<0.3	15	0.391	7	72	<1	19	2.1	20	52
C107078	52	<1	<0.3	13	0.300	8	60	2	21	2.3	20	36
C107079	28	1	<0.3	14	0.401	32	81	2	17	2.0	11	66
C107080	31	1	<0.3	15	0.426	47	85	4	18	2.0	10	70
C107082	33	<1	<0.3	15	0.345	39	83	4	19	2.0	11	66
C107083	32	<1	<0.3	15	0.364	34	93	2	20	2.3	16	72
CG515/LS4/BH	1170	<1	<0.3	14	0.989	<2	127	1	20	1.8	85	148
C107084	35	<1	<0.3	14	0.168	9	27	<1	13	1.4	14	64
C107085	48	<1	<0.3	12	0.113	4	23	2	13	1.5	9	60
C107086	33	<1	<0.3	14	0.207	31	32	<1	12	1.4	12	66
C107087	36	<1	<0.3	12	0.213	122	38	3	13	1.6	11	57
C107088	41	1	<0.3	13	0.141	24	30	1	12	1.4	8	55
C107089	120	1	0.3	3	<0.001	4	1	1	3	0.1	<1	<1
C107090	45	<1	<0.3	13	0.192	6	29	3	13	1.5	8	63
C107091	39	<1	<0.3	15	0.374	10	74	3	15	1.8	13	56
C107092	37	<1	<0.3	15	0.377	13	80	4	16	1.9	13	61
C107093	25	<1	<0.3	15	0.361	12	84	4	15	1.8	17	63
C107094	30	<1	<0.3	16	0.415	24	89	4	17	2.0	14	69
C107095	25	1	0.3	14	0.235	135	60	3	18	2.0	27	51
C107096	24	<1	<0.3	15	0.356	24	83	2	16	1.9	15	64
C107099	14	<1	<0.3	15	0.382	27	93	3	16	2.0	22	73
C107101	27	<1	<0.3	15	0.316	58	106	4	19	2.3	24	65
C107104	26	<1	<0.3	14	0.278	26	82	5	17	2.0	9	69
C107106	18	<1	<0.3	13	0.236	35	87	4	13	1.7	9	71
C107107	22	<1	<0.3	15	0.240	17	87	2	15	1.8	14	69
C107099 R	14	<1	<0.3	16	0.391	27	94	4	15	2.0	22	73

SRC Geoanalytical Laboratories

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina/Bonnie
Samples: 55

Report No: 06-1512
Date: December 06, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BM	1200	<1	<0.3	15	1.00	<2	137	<1	21	1.9	90	145
C107108	20	<1	<0.3	11	0.241	24	88	3	13	1.7	10	67
C107109	20	<1	<0.3	15	0.268	8	93	5	16	1.9	8	75
C107110	20	<1	<0.3	14	0.246	8	99	7	15	1.8	8	72
C107111	35	<1	<0.3	15	0.212	29	77	9	14	1.8	6	76
C107113	17	<1	<0.3	16	0.461	110	92	6	20	2.5	20	71
C107114	20	<1	<0.3	16	0.483	26	93	7	16	2.2	25	73
C107116	115	1	0.4	3	<0.001	6	1	<1	3	0.1	<1	<1
C107117	19	<1	<0.3	15	0.418	10	89	4	15	1.9	22	61
C107118	20	1	<0.3	15	0.421	3	89	4	18	2.1	18	71
C107119	25	<1	<0.3	14	0.458	4	88	5	16	2.0	22	73
C107120	14	<1	<0.3	7	0.542	4	262	1	13	1.9	29	62
C107123	21	<1	<0.3	17	0.441	3	94	9	17	2.3	16	82
C107124	23	<1	<0.3	14	0.403	4	83	9	17	2.2	17	81
C107119 R	24	<1	<0.3	15	0.445	3	87	4	16	2.1	20	69

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	12.9	0.6	38.7	48.1	0.3	0.6	11.4	49.8	23.7	0.4	<0.2	<0.2	32.8	97.4	198
C103628	<0.1	10.0	0.4	3.3	2.7	<0.2	<0.2	<0.1	7.0	1.65	<0.2	<0.2	<0.2	0.5	5.9	14.1
C103629	<0.1	3.0	0.6	5.1	10.9	0.2	<0.2	0.5	10.4	1.33	<0.2	<0.2	<0.2	1.8	6.6	14.3
C103631	14.6	11.7	234	83.7	330000	<0.2	5.1	486	18.4	226	<0.2	<0.2	36.0	5.6	15.6	7.7
C103632	0.9	485	2.5	55.6	587	<0.2	<0.2	<0.1	370	11.4	<0.2	<0.2	<0.2	2.5	43.6	114
C103633	0.8	319	0.7	52.9	338	<0.2	<0.2	<0.1	448	42.6	<0.2	<0.2	<0.2	2.8	49.7	132
C103634	1.1	342	0.8	42.6	228	<0.2	<0.2	<0.1	272	17.5	<0.2	<0.2	<0.2	2.8	43.8	155
C103793	3.4	453	9.4	705	357	<0.2	0.3	182	219	25.8	2.2	13.0	<0.2	6.4	19.5	13.7
C103794	0.1	20.6	0.8	142	45.4	<0.2	<0.2	2.1	15.3	1.75	<0.2	0.6	0.5	6.2	4.8	11.9
C107000	0.3	86.4	4.1	76.6	362	<0.2	<0.2	5.1	18.9	2.55	0.4	<0.2	<0.2	36.4	8.7	24.8
C107001	0.2	38.9	2.9	19.3	171	<0.2	<0.2	47.0	11.9	3.46	<0.2	<0.2	<0.2	51.3	7.0	17.9
C107005	0.4	23.1	1.8	19.8	707	<0.2	<0.2	12.5	14.7	5.98	<0.2	<0.2	<0.2	40.4	4.5	9.1
C107008	0.2	18.5	2.3	17.8	146	<0.2	<0.2	25.4	9.2	2.37	<0.2	<0.2	<0.2	32.0	3.8	14.7
C107012	1.3	25.6	8.3	11.8	109	<0.2	0.2	541	13.6	7.93	<0.2	0.4	<0.2	54.5	9.2	10.1
C107019	2.2	1820	33.1	1120	713	<0.2	0.5	529	88.5	12.3	<0.2	3.5	0.4	238	18.9	10.7
C107021	<0.1	9.3	2.2	0.7	13.1	<0.2	0.2	5.2	8.3	0.27	10.8	<0.2	2.3	<0.5	1.6	5.6
C107024	0.1	76.0	2.3	85.5	43.8	<0.2	<0.2	68.0	29.0	2.76	<0.2	<0.2	<0.2	40.2	12.1	9.1
C107026	<0.1	5.3	1.0	60.2	7.1	<0.2	<0.2	2.6	17.9	3.77	<0.2	0.7	<0.2	30.9	8.3	7.2
C107030	<0.1	2.1	0.4	7.4	1.8	<0.2	<0.2	1.7	9.1	13.2	<0.2	<0.2	<0.2	16.0	4.9	20.2
C107035	0.4	17.5	3.1	22.4	46.5	<0.2	<0.2	84.2	18.1	2.98	<0.2	<0.2	<0.2	41.4	12.4	15.2
CG515/LS4	0.1	12.2	0.6	38.4	48.6	0.4	<0.2	11.5	49.0	23.7	<0.2	<0.2	<0.2	33.6	97.9	199
C107036	0.3	14.9	2.6	25.2	43.5	<0.2	<0.2	56.3	15.5	2.64	0.5	<0.2	<0.2	20.6	12.2	11.4
C107038	0.2	35.0	5.1	22.9	15.4	<0.2	<0.2	104	18.2	3.14	<0.2	<0.2	<0.2	20.4	10.0	7.6
C107039	0.4	71.5	4.2	76.1	49.7	<0.2	0.2	147	23.2	5.15	<0.2	<0.2	0.2	33.2	11.7	12.5
C107030 R	<0.1	2.2	0.4	7.1	2.0	<0.2	<0.2	2.5	8.7	13.1	<0.2	<0.2	<0.2	15.8	4.9	20.0

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	11.8	0.5	39.3	47.7	<0.2	0.3	12.0	49.6	23.7	0.2	<0.2	<0.2	32.6	98.7	202
C103618	0.6	117	28.0	664	257	<0.2	0.5	88.7	50.0	231	<0.2	4.8	6.3	633	12.1	3.5
C103619	0.2	4.3	1.2	22.5	31.6	<0.2	0.2	60.6	12.3	8.82	<0.2	<0.2	<0.2	82.9	6.9	3.4
C103620	0.6	47.7	6.1	438	736	<0.2	0.4	20.8	18.9	40.8	<0.2	2.5	<0.2	441	6.5	5.1
C103622	<0.1	20.3	1.9	43.5	13.0	<0.2	0.3	14.2	85.2	36.0	<0.2	<0.2	<0.2	631	12.1	5.2
C103623	1.6	7.3	41.3	41.5	117	<0.2	1.2	114	30.4	59.8	<0.2	6.7	<0.2	452	18.9	16.7
C103625	<0.1	18.8	0.8	18.4	124	<0.2	<0.2	13.1	13.3	1.70	<0.2	<0.2	<0.2	8.6	5.5	3.1
C103627	0.9	11.3	8.8	44.4	4980	<0.2	0.5	703	70.6	49.5	<0.2	3.0	11.4	548	8.9	5.6
C106996	0.1	25.3	7.1	29.6	137	<0.2	0.3	6.4	12.6	4.82	<0.2	<0.2	<0.2	69.2	5.3	5.4
C106997	0.1	46.7	9.0	36.2	200	<0.2	<0.2	0.8	21.0	14.3	<0.2	<0.2	<0.2	183	8.2	8.3
C106998	0.1	53.6	10.7	50.0	39.2	<0.2	<0.2	1.0	23.5	9.76	<0.2	<0.2	<0.2	139	7.1	8.1
C106999	0.1	64.4	10.4	56.7	50.1	<0.2	<0.2	10.2	21.6	7.29	<0.2	<0.2	<0.2	114	5.0	3.6
C107002	0.3	539	4.4	32.9	498	<0.2	<0.2	70.2	14.4	4.33	<0.2	<0.2	<0.2	82.3	4.7	2.2
C107003	<0.1	30.4	1.2	11.4	275	<0.2	0.2	21.5	9.5	21.7	0.4	<0.2	<0.2	180	4.4	2.0
C107004	0.1	22.6	1.7	15.3	274	<0.2	0.2	13.1	8.2	5.23	0.7	<0.2	<0.2	59.9	3.3	3.6
C107006	<0.1	22.0	2.2	25.9	58.1	<0.2	0.2	20.1	15.5	2.74	<0.2	<0.2	<0.2	95.5	4.4	3.0
C107007	<0.1	18.1	1.3	18.2	20.3	<0.2	<0.2	9.2	13.1	1.55	0.7	<0.2	<0.2	79.6	3.1	2.5
C107009	<0.1	29.8	1.5	37.3	12.2	<0.2	0.2	36.6	11.5	1.28	0.3	<0.2	<0.2	21.5	4.3	2.6
C107010	0.1	21.7	2.6	19.0	174	<0.2	0.3	79.5	13.5	1.86	<0.2	<0.2	<0.2	29.4	7.6	3.7
C107011	0.2	89.4	3.5	69.6	457	<0.2	0.2	146	20.4	2.74	<0.2	<0.2	<0.2	98.7	4.9	4.2
CG515/LS4/BL4A	0.1	12.8	0.4	38.4	48.1	<0.2	0.3	11.5	48.9	22.4	0.3	<0.2	<0.2	31.7	98.1	196
C107013	0.7	17.5	5.5	11.1	79.2	<0.2	0.3	506	10.4	5.56	<0.2	<0.2	<0.2	134	4.9	3.7
C107014	1.0	36.9	10.3	18.3	379	<0.2	<0.2	483	14.9	16.8	<0.2	<0.2	<0.2	304	9.4	4.6
C107015	0.8	39.6	29.1	18.7	250	<0.2	0.3	529	17.8	12.5	<0.2	<0.2	<0.2	138	10.3	5.5
C107016	0.6	52.5	24.0	22.6	116	<0.2	0.6	540	17.8	73.9	<0.2	<0.2	<0.2	1300	19.6	3.6
C107017	0.9	127	25.5	60.6	706	<0.2	0.2	578	26.3	5.99	<0.2	<0.2	<0.2	99.8	6.1	3.9
C107018	1.1	52.6	129	17.2	239	<0.2	0.5	1420	15.5	8.88	<0.2	2.8	<0.2	195	1.3	2.5
C107020	0.7	97.6	15.3	115	318	<0.2	0.2	698	24.9	9.61	<0.2	<0.2	<0.2	169	5.2	2.9
C107022	0.4	99.1	21.4	89.2	385	<0.2	0.4	475	35.8	7.67	<0.2	<0.2	<0.2	123	8.0	2.7
C107023	0.1	102	4.7	93.9	229	<0.2	<0.2	93.7	33.5	4.42	<0.2	<0.2	<0.2	82.1	10.2	3.3
C107025	<0.1	5.6	1.2	26.7	5.1	<0.2	<0.2	10.7	19.0	4.72	<0.2	<0.2	<0.2	77.8	9.3	4.5
C107027	<0.1	6.2	1.2	77.6	21.5	<0.2	0.3	13.4	21.7	9.40	<0.2	<0.2	<0.2	113	9.2	2.0
C107028	<0.1	2.5	1.4	9.3	1.3	<0.2	0.2	5.2	11.9	3.79	<0.2	<0.2	<0.2	17.2	6.4	2.1
C107029	<0.1	5.3	1.1	113	5.9	<0.2	0.2	8.3	24.1	3.43	<0.2	<0.2	<0.2	54.4	9.1	2.4
C107031	<0.1	3.5	0.5	28.8	0.5	<0.2	<0.2	1.0	15.8	1.74	<0.2	<0.2	<0.2	21.9	8.3	2.6
C107032	<0.1	3.5	0.6	18.3	2.6	<0.2	0.2	1.4	13.7	3.26	<0.2	<0.2	<0.2	61.3	8.2	2.8
C107033	<0.1	2.5	0.7	18.2	5.3	<0.2	0.2	1.0	12.4	4.07	<0.2	<0.2	<0.2	62.6	9.7	1.7
C107034	0.1	14.9	3.4	24.9	23.8	<0.2	<0.2	53.0	22.0	3.95	<0.2	<0.2	<0.2	54.8	13.1	1.6
C107037	0.1	126	1.7	82.6	183	<0.2	0.2	67.8	11.6	1.81	<0.2	<0.2	<0.2	65.8	8.1	2.1
C107032 R	<0.1	3.7	0.8	18.7	2.9	<0.2	0.3	1.6	14.3	3.35	<0.2	<0.2	<0.2	64.3	8.2	2.5

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	<0.1	11.9	0.5	37.7	47.8	<0.2	0.2	11.7	48.8	22.8	0.3	<0.2	<0.2	31.0	95.9	197
C107040	<0.1	68.0	2.1	64.6	80.5	<0.2	<0.2	29.2	30.5	2.04	<0.2	<0.2	<0.2	26.8	8.9	3.1
C107041	0.2	43.8	3.7	43.9	110	<0.2	<0.2	60.5	25.4	6.63	<0.2	<0.2	<0.2	60.0	7.1	2.1
C107042	<0.1	27.7	2.5	5.5	36.0	<0.2	0.2	1.4	21.9	3.64	<0.2	<0.2	<0.2	33.4	7.4	2.6
C107043	0.1	57.0	3.4	17.7	43.3	<0.2	0.2	0.7	29.4	9.98	<0.2	<0.2	<0.2	65.2	7.5	3.3
C107044	<0.1	66.5	2.9	11.5	32.5	<0.2	<0.2	1.0	35.7	3.95	<0.2	<0.2	<0.2	57.4	7.3	2.5
C107045	<0.1	39.2	3.8	21.2	156	<0.2	0.3	2.4	37.6	19.7	<0.2	<0.2	<0.2	264	8.4	2.7
C107043 R	0.1	57.5	3.3	17.0	43.4	<0.2	<0.2	0.9	28.7	10.0	<0.2	<0.2	<0.2	63.8	7.0	3.0
CG515/LS4/BL3	0.1	11.8	0.4	38.5	47.7	<0.2	0.2	11.7	48.9	23.5	0.4	<0.2	<0.2	31.9	97.9	198
C103616	<0.1	4.6	0.9	6.2	1610	<0.2	0.3	1.6	5.2	87.7	<0.2	<0.2	<0.2	1090	6.5	21.7
C103617	0.7	34.3	6.6	44.3	5700	<0.2	0.4	120	8.3	62.4	<0.2	<0.2	<0.2	602	5.0	0.5
C103621	<0.1	16.4	17.0	24.2	4990	<0.2	1.6	459	13.7	414	<0.2	12.8	<0.2	4560	<0.1	4.0
C103624	1.3	24.2	16.9	23.6	50.6	<0.2	0.8	891	25.5	155	<0.2	<0.2	<0.2	2110	9.2	5.6
C103630	0.7	9.3	17.6	31.8	3260	<0.2	0.4	430	6.5	67.8	<0.2	4.0	6.0	576	2.0	7.7
C103626	<0.1	18.5	2.7	69.2	6.4	<0.2	0.8	12.5	44.7	261	<0.2	<0.2	<0.2	3820	4.8	5.1
C103630 R	0.9	10.1	18.0	29.6	3350	<0.2	0.3	433	6.8	69.6	<0.2	4.1	6.5	587	2.2	7.5

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.4	2310	2.1	4.77	0.7	165	20	121	3	3.1	2.4	2.9	7.24	24	5.2	4.3
C103628	<0.2	13.1	1860	1.0	3.74	0.7	65	7	83	3	0.8	1.0	1.2	6.31	19	1.5	0.7
C103629	<0.2	11.1	1510	0.7	2.97	0.6	103	3	96	10	1.5	1.3	1.5	3.17	15	4.8	0.6
C103631	148	7.76	483	0.7	0.25	<0.2	12	118	57	337000	0.4	0.7	1.1	10.5	10	<0.5	2.8
C103632	1.1	11.0	190	1.2	3.71	1.0	35	63	734	647	2.1	2.0	2.0	9.57	27	2.7	3.3
C103633	1.1	11.7	215	1.0	1.94	1.0	43	63	526	373	2.3	2.2	1.9	9.93	28	2.7	3.5
C103634	5.1	10.7	271	1.0	1.77	0.9	49	45	408	243	2.0	2.1	1.5	8.29	23	2.2	4.0
C103793	7.0	0.37	37	0.2	0.09	<0.2	601	760	100	366	2.3	1.6	9.4	13.3	6	9.3	1.8
C103794	<0.2	14.3	402	2.6	1.80	<0.2	124	145	116	47	1.9	1.4	1.8	3.18	22	5.2	1.8
C107000	<0.2	8.86	158	2.1	9.47	<0.2	38	84	50	373	0.7	1.6	0.9	6.14	12	1.1	1.9
C107001	<0.2	13.0	291	4.0	4.65	0.6	135	21	86	189	1.4	1.6	0.9	3.58	20	2.3	2.5
C107005	0.5	9.81	235	3.0	0.69	0.4	64	21	118	739	1.7	1.2	0.7	1.62	13	2.2	1.8
C107008	0.3	14.4	370	4.2	0.40	0.6	165	19	133	150	2.0	1.7	0.8	0.96	20	3.2	3.1
C107012	1.1	9.09	221	2.5	7.08	0.5	159	13	109	112	1.5	2.2	1.2	4.44	11	3.1	1.8
C107019	2.6	12.3	304	3.4	9.32	<0.2	406	1200	89	720	2.7	3.3	2.1	5.91	15	6.0	2.3
C107021	<0.2	0.20	18	<0.2	31.7	0.2	2	<1	23	13	0.3	1.4	<0.2	0.14	1	<0.5	<0.5
C107024	<0.2	11.8	317	2.3	8.05	<0.2	93	100	46	43	1.2	2.0	1.6	5.31	18	3.1	1.5
C107026	<0.2	14.0	385	2.6	6.28	0.4	102	68	48	7	1.5	2.0	2.1	5.11	21	3.6	1.9
C107030	<0.2	13.6	424	2.7	4.11	1.1	99	9	55	2	2.0	1.9	2.4	6.18	21	3.4	2.2
C107035	<0.2	8.01	123	1.0	9.54	0.3	53	28	67	49	0.6	1.7	0.9	4.81	7	1.3	1.0
CG515/LS4	<0.2	17.5	2290	2.1	4.82	0.8	163	18	123	4	3.1	2.5	2.8	7.26	24	5.1	4.1
C107036	<0.2	8.49	104	0.6	9.16	0.3	63	30	79	43	0.7	1.7	1.0	4.09	7	1.8	1.3
C107038	<0.2	9.25	120	0.7	6.58	0.3	52	29	78	16	0.9	1.4	0.8	2.72	7	1.8	1.3
C107039	<0.2	10.4	254	1.7	8.62	0.2	79	80	58	52	1.3	2.0	1.4	4.40	14	3.2	1.2
C107030 R	<0.2	13.3	418	2.6	4.02	1.0	99	10	56	3	1.8	1.9	2.4	6.05	21	3.5	2.0

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Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.3	3.18	82	30	2.91	0.073	<1	3.33	7	66	26	0.660	18	15	12	8.9	2
C103628	0.5	3.97	36	7	2.53	0.134	<1	3.96	2	25	24	0.201	3	6	9	4.2	<1
C103629	0.6	1.25	53	4	1.63	0.177	<1	5.77	1	42	14	0.206	1	9	7	7.1	<1
C103631	<0.4	4.43	7	43	3.18	0.006	490	0.06	<1	7	24	<0.002	282	1	7	1.7	15
C103632	0.8	3.97	19	15	12.6	0.133	2	0.01	1	19	441	0.291	16	3	26	4.5	<1
C103633	0.9	4.02	22	12	12.4	0.111	1	0.01	4	23	530	0.312	52	4	22	4.2	<1
C103634	0.8	3.54	28	9	11.2	0.107	1	0.01	4	22	325	0.259	27	4	19	3.5	<1
C103793	1.2	0.047	438	3	0.066	0.018	186	0.03	19	161	232	0.318	35	41	1	22.5	5
C103794	0.4	3.84	61	8	1.32	0.081	4	2.22	2	48	28	0.167	2	11	14	8.5	<1
C107000	0.6	2.87	24	16	5.38	0.426	8	0.05	1	13	27	0.124	4	3	5	3.5	<1
C107001	0.6	4.52	107	30	3.24	0.216	55	0.07	4	32	18	0.162	6	9	9	4.2	<1
C107005	0.6	3.14	43	16	1.12	0.027	14	0.07	2	18	17	0.192	8	4	6	2.8	<1
C107008	0.8	5.16	117	11	0.935	0.016	25	0.07	5	44	13	0.161	3	11	8	4.9	<1
C107012	0.6	3.10	123	12	3.56	0.360	587	0.07	2	40	19	0.191	11	11	7	5.8	<1
C107019	1.4	4.32	339	18	4.66	0.468	582	0.08	3	90	100	0.209	15	26	12	10.6	<1
C107021	<0.4	0.033	3	1	21.1	0.013	5	0.01	2	<1	9	0.104	1	1	<1	3.0	<1
C107024	0.6	4.38	54	17	4.16	0.407	73	0.06	3	34	44	0.176	4	8	10	6.4	<1
C107026	0.7	5.40	58	16	3.62	0.325	6	0.07	3	38	41	0.196	6	9	11	6.7	<1
C107030	0.8	5.32	58	18	3.02	0.210	2	0.06	4	37	26	0.200	14	8	11	6.4	<1
C107035	0.4	1.87	35	15	5.93	0.400	93	1.04	1	18	24	0.134	6	4	5	3.8	<1
CG515/LS4	1.2	3.22	82	31	2.93	0.074	<1	3.36	7	66	26	0.670	20	15	12	8.9	<1
C107036	0.4	1.11	41	5	4.92	0.379	60	3.22	1	20	19	0.136	4	5	6	4.2	<1
C107038	0.4	1.35	29	7	3.98	0.246	110	3.14	2	19	23	0.140	5	4	5	3.8	<1
C107039	0.7	2.89	44	18	5.37	0.378	159	1.29	3	30	29	0.168	6	7	8	6.1	<1
C107030 R	0.8	5.21	57	18	2.98	0.212	3	0.06	4	37	26	0.199	15	8	11	6.4	<1

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Attention:
PO #/Project: Lumina
Samples: 25

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1170	<1	0.5	14	1.09	3	129	<1	22	1.9	82	143
C103628	38	1	<0.3	14	0.286	<2	68	<1	8	0.8	16	8
C103629	40	<1	<0.3	14	0.182	<2	43	<1	10	1.1	17	30
C103631	50	<1	0.5	7	0.162	10	36	<1	4	0.4	12	23
C103632	26	1	0.9	2	0.552	2	356	<1	16	1.8	119	69
C103633	50	1	0.7	3	0.953	3	359	<1	17	2.0	144	98
C103634	102	1	0.6	5	0.848	4	267	<1	17	2.1	166	112
C103793	3	<1	2.1	11	0.033	9	15	<1	11	0.9	14	5
C103794	27	<1	<0.3	9	0.223	7	92	3	11	1.4	16	61
C107000	33	<1	1.0	6	0.200	36	36	<1	14	1.4	27	66
C107001	18	1	0.6	9	0.333	54	81	1	14	1.6	19	90
C107005	5	<1	0.4	7	0.270	42	59	<1	11	1.3	10	57
C107008	5	<1	<0.3	11	0.434	33	103	2	15	2.1	15	116
C107012	23	1	1.1	10	0.270	57	80	1	15	1.6	17	55
C107019	29	<1	2.9	18	0.325	240	131	2	22	2.5	17	79
C107021	123	2	0.4	<1	<0.001	<2	1	<1	3	<0.1	8	<1
C107024	29	<1	0.9	13	0.292	41	79	4	15	1.7	12	58
C107026	23	1	0.4	14	0.328	31	81	7	16	1.7	10	69
C107030	10	1	0.4	14	0.377	17	77	2	16	1.9	23	60
C107035	30	2	0.8	8	0.155	42	37	<1	12	1.3	19	42
CG515/LS4	1180	1	0.5	14	1.10	4	129	<1	22	1.9	84	139
C107036	38	2	0.4	9	0.172	21	44	1	12	1.3	14	42
C107038	27	1	0.3	10	0.199	20	40	1	11	1.1	12	49
C107039	29	2	0.5	11	0.221	34	64	1	15	1.6	15	52
C107030 R	10	1	0.4	14	0.367	17	80	4	16	1.9	20	59

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymiurn in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

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Report No: 06-1114
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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	0.6	17.0	2250	2.2	4.71	0.8	160	17	120	4	3.0	2.5	2.7	7.11	23	4.9	4.1
C103618	1.1	12.8	1020	2.1	4.18	<0.2	129	672	96	268	8.3	4.3	3.4	8.53	13	8.9	4.6
C103619	<0.2	13.2	898	2.8	6.34	0.5	89	24	64	33	2.3	2.3	1.6	4.28	17	4.1	1.8
C103620	0.9	14.2	764	1.4	5.31	<0.2	66	470	93	783	12.0	5.5	2.6	2.06	14	9.1	2.7
C103622	0.5	10.6	256	2.6	0.18	0.2	94	49	86	14	2.4	1.5	1.4	4.48	13	3.4	3.7
C103623	8.0	13.7	213	0.7	9.17	0.5	170	43	85	127	4.9	2.9	5.5	4.61	14	11.3	3.3
C103625	<0.2	14.3	287	3.8	1.87	0.6	103	18	112	123	1.8	1.6	1.0	2.84	21	2.8	2.6
C103627	2.0	12.9	12300	1.3	5.20	0.5	43	46	85	5220	11.2	5.3	1.8	1.07	11	11.1	2.9
C106996	<0.2	12.8	253	3.9	4.80	0.5	41	30	49	145	1.4	1.9	0.7	3.30	16	1.7	3.5
C106997	<0.2	7.96	152	2.2	10.0	0.2	42	38	50	206	1.3	2.0	1.1	5.50	9	1.9	2.7
C106998	<0.2	8.84	161	2.6	7.94	0.2	55	52	53	39	1.2	1.8	0.9	4.54	12	1.8	2.5
C106999	<0.2	10.0	184	2.9	3.81	<0.2	36	59	63	57	1.3	1.6	0.6	3.23	13	1.4	2.8
C107002	0.4	14.5	367	5.1	0.84	0.8	94	35	125	589	1.9	1.6	0.7	2.10	22	2.2	3.0
C107003	<0.2	11.1	283	4.0	0.21	0.5	121	10	128	294	3.3	1.8	1.1	1.20	15	4.0	2.9
C107004	0.4	16.1	393	5.2	0.19	0.6	194	17	144	318	2.8	2.3	1.0	1.18	22	3.9	4.2
C107006	<0.2	10.5	246	3.3	0.92	0.3	56	25	113	63	1.5	1.2	0.6	1.69	13	1.8	2.2
C107007	<0.2	12.1	293	4.0	0.37	0.4	112	20	135	25	1.6	1.3	0.6	0.99	16	2.4	2.5
C107009	<0.2	15.2	379	4.7	0.51	0.4	109	38	143	14	1.9	1.6	0.6	1.15	21	2.4	3.2
C107010	<0.2	10.6	254	3.2	2.66	0.5	98	22	117	200	1.5	1.4	0.7	2.04	14	2.2	1.8
C107011	0.3	11.0	272	3.2	2.07	<0.2	78	73	128	475	1.4	1.4	0.6	1.94	14	1.8	2.4
CG515/LS4/BL4A	<0.2	17.3	2290	2.2	4.80	1.0	160	24	123	4	3.1	2.4	2.7	7.23	23	4.8	4.7
C107013	1.1	13.7	341	4.0	2.99	0.6	214	11	147	92	1.9	2.1	0.9	2.37	18	3.2	3.4
C107014	1.3	9.99	238	2.9	5.66	0.4	82	20	128	419	2.0	2.3	1.0	3.69	11	2.7	3.2
C107015	1.0	10.4	269	3.2	5.60	0.5	217	19	108	290	1.9	2.3	1.2	3.72	13	3.4	2.7
C107016	1.9	7.37	208	2.3	10.4	0.3	137	30	97	132	2.4	2.8	2.0	6.53	2	3.9	5.8
C107017	1.3	15.7	415	4.4	5.12	0.6	186	62	114	754	1.9	2.5	1.1	3.77	22	2.8	3.4
C107018	1.4	15.6	424	4.4	3.03	0.7	130	18	111	263	2.2	2.6	0.8	2.75	18	2.4	4.1
C107020	0.8	12.0	337	3.1	6.41	0.2	92	126	72	350	2.1	2.5	1.7	4.76	15	4.1	2.8
C107022	0.5	11.3	319	2.7	8.25	0.2	83	95	56	416	1.9	2.5	1.6	5.16	15	3.3	2.6
C107023	<0.2	13.0	360	3.0	6.85	<0.2	98	101	62	249	1.6	2.1	1.5	4.51	19	3.4	2.2
C107025	<0.2	12.7	350	2.7	6.83	0.6	94	28	64	6	1.7	2.0	1.7	4.60	18	3.4	2.2
C107027	<0.2	12.6	366	2.6	7.49	0.3	90	84	53	22	2.2	2.4	2.4	5.75	18	3.8	2.5
C107028	<0.2	14.1	405	2.8	1.88	0.6	102	11	68	2	1.8	1.7	2.3	7.32	22	2.8	3.6
C107029	<0.2	13.4	429	2.7	7.39	<0.2	93	117	54	6	1.7	2.1	2.4	6.41	19	3.2	2.8
C107031	<0.2	13.4	428	2.7	6.82	0.4	101	32	51	1	1.5	1.9	2.4	5.45	19	3.3	2.5
C107032	<0.2	13.2	435	2.7	6.07	0.6	92	20	63	3	1.9	2.1	2.2	5.31	19	3.4	2.7
C107033	<0.2	14.2	406	2.7	6.09	0.7	100	21	71	6	2.4	2.2	2.5	7.96	21	3.6	2.9
C107034	0.7	9.56	123	1.1	6.84	0.5	61	28	95	26	1.2	1.6	0.9	3.57	8	1.9	1.7
C107037	<0.2	10.5	127	0.9	5.30	<0.2	51	83	96	194	1.1	1.4	0.8	2.26	7	2.2	1.8
C107032 R	<0.2	13.4	434	2.8	6.16	0.4	91	18	60	3	1.7	2.0	2.2	5.40	19	3.1	2.4

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.5	2210	2.1	4.76	0.9	163	20	118	3	3.2	2.5	2.8	7.18	24	5.1	3.9
C107040	<0.2	13.5	445	3.1	8.92	0.4	95	66	53	81	1.3	2.2	1.6	4.83	21	3.8	1.5
C107041	<0.2	13.9	491	3.5	7.36	0.5	99	46	50	112	1.9	2.3	1.7	4.35	21	4.0	1.6
C107042	<0.2	13.5	421	3.1	7.21	0.5	94	7	49	37	2.3	2.1	1.7	4.28	21	4.0	2.3
C107043	<0.2	13.8	437	3.3	8.04	0.7	88	21	47	44	2.7	2.5	1.7	4.84	21	3.8	2.4
C107044	<0.2	12.7	411	3.5	7.12	0.6	100	13	40	36	2.2	2.1	1.5	4.37	22	3.7	2.3
C107045	<0.2	13.7	422	3.4	5.86	0.5	104	26	42	176	3.4	2.5	2.0	4.04	22	5.1	2.8
C107043 R	<0.2	13.9	448	3.4	8.13	0.7	90	16	47	45	2.9	2.5	1.7	4.92	21	3.9	2.3
CG515/LS4/BL3	<0.2	17.4	2200	2.1	4.70	0.6	159	19	118	3	3.1	2.4	2.8	7.14	24	4.9	4.0
C103616	0.2	8.74	812	2.8	4.89	0.3	21	7	102	1700	11.2	4.9	3.7	2.55	8	11.7	2.4
C103617	1.9	12.6	2900	2.4	0.10	0.2	120	45	92	5780	1.2	0.7	0.9	2.90	11	2.3	3.8
C103621	6.5	11.1	1530	3.2	9.47	<0.2	83	28	65	5170	14.5	7.0	10.3	3.33	<1	24.3	11.9
C103624	3.5	14.5	411	3.9	9.81	0.6	190	23	69	52	6.7	4.8	5.4	6.42	7	13.0	7.4
C103630	3.6	15.3	1320	1.5	1.22	0.5	34	35	115	3580	10.2	4.6	2.3	1.52	17	9.4	2.9
C103626	<0.2	13.9	478	3.8	5.90	0.2	101	85	63	10	6.8	3.8	4.2	6.36	<1	9.6	11.1
C103630 R	3.6	14.8	1310	1.4	1.19	0.5	35	33	114	3590	10.0	4.8	2.3	1.49	17	9.2	2.8

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Attention:
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Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.16	80	29	2.78	0.074	1	3.13	7	64	26	0.656	19	13	12	8.7	<1
C103618	1.9	3.68	58	12	2.14	0.280	91	3.65	1	56	76	0.318	232	11	8	12.5	<1
C103619	0.8	4.75	46	18	3.56	0.396	62	2.79	2	36	39	0.207	10	7	10	6.9	<1
C103620	2.3	4.72	29	14	0.591	0.065	22	4.27	<1	30	30	0.186	42	6	9	8.9	<1
C103622	0.7	3.03	46	44	2.05	0.013	14	0.05	5	36	93	0.163	37	7	7	5.6	<1
C103623	1.2	0.498	79	2	4.22	0.335	117	7.41	2	78	37	0.182	61	15	15	17.7	<1
C103625	0.7	5.10	62	16	1.73	0.095	14	0.15	4	34	22	0.195	2	7	10	4.5	<1
C103627	1.9	3.47	14	12	0.986	0.082	710	4.63	1	25	94	0.569	53	5	9	9.2	<1
C106996	0.7	4.70	22	15	2.93	0.227	6	0.07	6	15	15	0.127	6	3	7	2.8	<1
C106997	0.7	2.82	21	11	5.16	0.434	1	0.04	2	16	27	0.116	17	3	5	4.2	<1
C106998	0.6	3.22	30	10	4.17	0.336	1	0.05	3	19	29	0.131	11	4	6	3.8	<1
C106999	0.4	3.49	21	16	2.38	0.164	10	0.05	5	13	27	0.126	9	2	6	2.4	<1
C107002	0.6	5.20	71	34	1.43	0.048	70	0.08	3	25	21	0.186	6	5	11	2.8	<1
C107003	0.8	3.90	81	15	0.825	0.005	22	0.05	4	35	14	0.179	21	7	6	4.6	<1
C107004	1.0	5.79	131	16	0.967	0.003	14	0.08	5	53	16	0.179	7	12	9	5.8	<1
C107006	0.5	3.58	37	12	1.12	0.038	21	0.09	3	17	22	0.230	3	3	7	2.5	<1
C107007	0.5	4.37	71	10	0.752	0.012	9	0.08	4	31	22	0.184	2	7	9	3.4	<1
C107009	0.7	5.57	76	11	0.940	0.013	37	0.08	4	29	19	0.183	2	7	9	3.4	<1
C107010	0.6	3.77	69	9	1.64	0.128	80	0.12	4	27	20	0.193	3	6	7	3.6	<1
C107011	0.6	3.92	54	8	1.33	0.098	150	0.11	4	22	26	0.175	3	5	7	2.9	<1
CG515/LS4/BL4A	0.9	3.22	82	29	2.84	0.074	2	3.21	7	65	25	0.657	20	14	12	8.7	1
C107013	0.8	5.05	170	13	1.95	0.162	510	0.08	5	50	15	0.175	8	12	10	5.2	<1
C107014	0.7	3.60	66	14	2.87	0.314	490	0.06	2	22	19	0.191	21	5	8	3.8	<1
C107015	0.8	3.79	179	11	2.70	0.295	530	0.06	4	52	22	0.171	15	13	9	6.1	<1
C107016	1.0	2.60	100	11	4.36	0.552	550	0.07	2	36	24	0.142	80	8	9	6.1	<1
C107017	0.8	5.82	152	13	2.72	0.278	580	0.09	3	45	29	0.180	8	11	11	5.3	<1
C107018	0.8	5.80	115	14	1.79	0.161	1450	0.08	5	30	22	0.176	10	7	12	3.4	<1
C107020	0.8	4.47	49	22	3.53	0.350	700	0.06	6	37	31	0.187	13	8	10	6.8	<1
C107022	0.7	4.13	46	20	4.54	0.429	480	0.29	4	32	44	0.168	10	7	10	6.3	<1
C107023	0.8	4.99	55	22	3.83	0.348	94	0.11	4	36	43	0.178	7	8	11	6.5	<1
C107025	0.7	4.91	55	14	3.64	0.359	12	0.06	3	35	40	0.185	6	7	11	6.5	<1
C107027	1.0	4.99	51	16	4.05	0.382	14	0.06	3	35	38	0.191	12	7	10	6.8	<1
C107028	0.7	5.58	58	17	1.76	0.102	6	0.06	3	38	31	0.216	8	7	12	6.3	<1
C107029	0.9	5.35	53	16	4.03	0.390	8	0.06	4	35	43	0.200	4	7	11	6.7	<1
C107031	0.7	5.44	59	17	3.69	0.346	2	0.06	3	38	35	0.191	4	8	11	6.9	<1
C107032	0.9	5.32	52	16	3.44	0.312	1	0.06	3	34	34	0.189	5	7	11	6.3	<1
C107033	0.8	5.69	55	16	3.64	0.285	1	0.06	2	39	33	0.203	7	8	12	7.3	<1
C107034	0.7	1.52	40	28	3.93	0.303	55	2.79	1	19	26	0.152	8	4	6	3.7	<1
C107037	0.5	1.57	27	7	3.06	0.220	69	3.53	2	20	17	0.150	4	4	5	3.9	<1
C107032 R	0.7	5.41	52	17	3.48	0.316	1	0.06	3	34	35	0.190	6	7	11	6.2	<1

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Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.0	3.21	83	30	2.93	0.072	8	3.33	7	66	26	0.661	20	15	12	8.9	<1
C107040	0.7	4.97	55	23	5.48	0.451	31	0.14	5	36	37	0.197	3	8	11	6.7	<1
C107041	0.8	5.17	58	24	4.38	0.377	62	0.30	6	37	29	0.197	8	9	12	6.9	<1
C107042	0.8	4.55	57	21	4.07	0.099	2	0.83	4	37	22	0.188	4	8	11	6.9	<1
C107043	1.0	5.02	51	23	4.47	0.129	<1	0.33	5	33	30	0.191	10	8	11	6.2	<1
C107044	0.8	4.93	51	21	3.94	0.118	1	0.08	5	35	37	0.187	4	8	8	6.2	<1
C107045	0.9	4.89	56	22	3.76	0.109	4	0.06	5	40	38	0.187	20	9	12	7.7	<1
C107043 R	1.0	5.01	55	23	4.40	0.122	<1	0.34	5	35	27	0.191	11	8	11	6.4	<1
CG515/LS4/BL3	1.1	3.22	82	30	2.92	0.072	1	3.31	7	64	25	0.660	18	15	12	8.7	1
C103616	2.1	4.40	<1	28	3.25	0.204	2	0.09	1	22	22	0.215	93	4	7	10.8	<1
C103617	<0.4	9.25	61	22	0.529	0.004	125	0.09	<1	38	23	0.142	60	9	5	4.5	<1
C103621	3.0	5.21	<1	26	2.61	0.291	460	0.06	1	68	34	0.403	420	12	7	17.5	<1
C103624	1.8	5.32	76	43	5.33	0.500	900	0.08	6	83	33	0.225	158	19	13	15.5	<1
C103630	1.8	2.94	6	11	0.645	0.067	437	6.24	<1	22	19	0.228	67	4	7	8.3	<1
C103626	1.9	5.72	21	37	3.87	0.380	14	0.05	8	46	72	0.206	270	9	12	8.4	<1
C103630 R	1.9	2.87	6	10	0.637	0.065	440	6.17	<1	22	18	0.221	68	4	7	8.0	<1

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Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1170	1	0.5	14	1.02	5	125	<1	22	1.8	81	152	N/R
C103618	42	3	7.9	11	0.194	640	91	1	35	3.5	10	58	N/R
C103619	42	2	1.1	14	0.225	84	101	<1	19	2.0	11	58	N/R
C103620	50	<1	5.7	13	0.200	450	93	2	43	4.7	18	57	N/R
C103622	5	1	6.1	11	0.304	640	77	3	14	1.6	19	51	N/R
C103623	31	1	5.6	9	0.187	460	124	<1	22	2.3	17	71	N/R
C103625	9	1	<0.3	11	0.445	10	82	2	14	1.8	10	84	N/R
C103627	131	<1	7.2	14	0.180	591	146	<1	45	4.7	39	51	N/R
C106996	18	1	0.6	10	0.336	65	48	1	17	1.9	15	116	N/R
C106997	34	2	2.3	6	0.216	187	31	2	17	1.5	17	65	N/R
C106998	30	3	1.8	7	0.271	140	38	<1	15	1.5	15	75	N/R
C106999	16	<1	1.3	7	0.306	119	41	1	13	1.5	11	85	N/R
C107002	10	<1	0.4	8	0.449	81	95	<1	15	1.9	8	107	N/R
C107003	5	<1	1.9	11	0.407	182	69	2	18	1.9	8	90	N/R
C107004	6	<1	0.4	14	0.541	66	100	1	20	2.7	12	148	N/R
C107006	6	<1	0.9	8	0.332	98	57	2	12	1.3	9	68	N/R
C107007	5	<1	0.3	10	0.414	80	65	1	12	1.6	6	90	N/R
C107009	6	1	<0.3	9	0.480	24	99	1	15	2.0	5	118	N/R
C107010	10	<1	0.3	8	0.370	31	77	3	12	1.5	9	76	N/R
C107011	9	<1	0.7	7	0.391	101	82	<1	11	1.5	9	75	N/R
CG515/LS4/BL4A	1200	1	0.6	14	1.08	4	129	<1	22	1.8	83	141	0.147
C107013	12	<1	1.2	12	0.441	140	141	1	16	2.1	11	106	N/R
C107014	21	1	3.3	8	0.303	314	94	3	18	1.9	14	72	N/R
C107015	18	2	1.8	11	0.377	143	104	3	16	1.8	14	73	N/R
C107016	33	2	13.8	9	0.228	1340	79	5	22	2.1	16	48	0.161
C107017	26	1	0.8	11	0.431	101	126	2	19	2.4	16	109	N/R
C107018	13	<1	1.7	11	0.508	203	140	3	19	2.5	9	121	N/R
C107020	24	3	2.2	13	0.386	180	107	6	19	2.1	14	64	N/R
C107022	30	2	1.7	13	0.313	128	91	6	20	2.1	13	65	N/R
C107023	25	2	1.2	13	0.353	84	92	7	17	1.9	10	72	N/R
C107025	25	2	1.0	13	0.317	76	76	5	17	1.8	9	66	N/R
C107027	27	1	1.6	13	0.320	115	76	6	20	2.1	10	65	N/R
C107028	8	2	0.5	15	0.362	21	86	6	14	1.8	10	68	N/R
C107029	27	3	0.9	14	0.379	55	80	6	18	1.9	7	74	N/R
C107031	27	2	0.5	14	0.332	22	80	4	16	1.8	9	67	N/R
C107032	24	<1	0.7	14	0.355	62	80	5	16	1.9	9	67	N/R
C107033	18	3	1.0	13	0.361	62	86	5	20	2.1	8	65	N/R
C107034	31	1	0.9	9	0.191	55	54	1	13	1.4	12	49	N/R
C107037	27	<1	0.6	10	0.229	65	38	1	11	1.2	10	64	N/R
C107032 R	24	2	0.7	14	0.363	66	80	5	16	1.8	9	68	N/R

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 56

Report No: 06-1114
Date: September 27, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1200	1	0.4	16	1.07	4	127	<1	22	1.9	82	143	N/R
C107040	32	1	0.7	15	0.354	27	79	2	19	2.0	12	69	N/R
C107041	32	2	0.8	16	0.391	62	84	1	20	2.0	10	67	N/R
C107042	32	1	0.4	14	0.359	35	70	<1	18	1.8	11	62	N/R
C107043	34	1	0.8	14	0.388	67	69	<1	22	2.1	10	66	N/R
C107044	27	1	0.8	10	0.374	59	64	<1	16	1.9	14	69	N/R
C107045	20	<1	2.8	15	0.382	270	78	<1	24	2.4	15	71	N/R
C107043 R	34	<1	1.0	14	0.396	66	66	<1	23	2.2	11	68	N/R
CG515/LS4/BL3	1190	1	0.6	15	1.06	4	127	<1	22	1.8	84	146	1.19
C103616	20	<1	13.2	2	0.193	1160	124	<1	46	3.1	12	20	0.142
C103617	28	<1	5.2	12	0.189	610	120	<1	8	0.8	20	84	N/R
C103621	81	<1	47.8	2	0.236	4670	90	<1	126	4.3	23	58	0.554
C103624	32	1	23.8	10	0.427	2320	132	7	54	4.1	16	81	0.261
C103630	47	<1	7.0	13	0.172	609	95	<1	47	3.9	17	62	N/R
C103626	27	<1	40.0	10	0.510	4040	78	9	52	4.3	17	78	0.477
C103630 R	46	<1	6.9	13	0.173	599	93	<1	46	3.8	15	62	N/R

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standards are BL2A and BL3.

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Geoanalytical Group: 2006-1154

SRC Geoanalytical Laboratories

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September 22, 2006

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Reviewed by: Chelsey Schneider

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.1	12.2	0.4	38.8	48.8	<0.2	0.5	10.5	49.6	24.7	0.3	<0.2	<0.2	32.3	100	205
C103635	0.3	18.1	1.5	183	60.6	<0.2	0.2	2.8	28.7	40.9	<0.2	<0.2	<0.2	397	11.7	<0.1
C103636	0.2	16.6	1.3	111	37.9	<0.2	<0.2	1.4	15.1	24.7	<0.2	<0.2	<0.2	187	8.0	<0.1
C103637	0.1	24.2	1.2	133	3.6	<0.2	0.2	5.1	8.5	17.8	<0.2	<0.2	<0.2	129	4.5	<0.1
C103638	0.2	18.1	1.9	86.5	11.1	<0.2	<0.2	<0.1	32.5	9.95	0.7	<0.2	<0.2	95.6	17.2	<0.1
C103640	<0.1	16.8	0.4	100	52.9	<0.2	0.4	22.8	11.6	85.8	<0.2	<0.2	<0.2	303	3.9	<0.1
C107048	0.1	22.2	1.4	26.1	260	<0.2	<0.2	25.5	17.2	12.8	<0.2	<0.2	<0.2	100	7.5	4.8
C107049	<0.1	88.2	4.9	82.6	291	<0.2	0.8	99.0	30.0	127	<0.2	<0.2	<0.2	2330	8.9	7.9
C107050	0.1	19.2	1.3	21.6	87.6	<0.2	<0.2	28.1	14.1	12.7	<0.2	<0.2	<0.2	138	8.1	5.9
C107052	<0.1	16.3	0.8	15.2	278	<0.2	<0.2	9.2	15.1	2.74	<0.2	<0.2	<0.2	34.8	7.9	4.4
C107053	0.5	7370	6.0	6160	728	<0.2	3.2	27.2	314	11.6	<0.2	2.4	<0.2	684	9.0	1.5
C107054	<0.1	11.9	1.1	59.7	70.9	<0.2	<0.2	14.1	15.5	11.8	<0.2	<0.2	<0.2	69.5	13.2	<0.1
C107055	<0.1	20.2	1.5	19.1	93.2	<0.2	0.2	12.9	10.8	2.86	<0.2	<0.2	<0.2	18.6	6.2	<0.1
C107052 R	<0.1	17.3	0.9	15.8	288	<0.2	<0.2	10.4	14.8	2.81	<0.2	<0.2	<0.2	34.3	8.6	4.6

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.2	2260	2.0	4.78	0.8	161	18	115	4	3.1	2.2	2.7	7.10	22	5.2	4.6
C103635	0.4	10.5	354	2.8	11.0	<0.2	33	199	62	62	5.1	4.0	3.3	10.3	11	5.7	3.7
C103636	0.3	16.3	567	3.6	4.84	0.2	86	114	60	40	3.1	2.4	2.8	5.91	20	5.0	3.1
C103637	0.4	17.8	677	4.1	0.75	0.3	85	134	84	4	2.5	1.5	2.1	3.49	24	4.2	3.1
C103638	0.3	6.94	208	2.1	18.8	0.3	31	95	37	12	2.6	3.6	3.0	14.5	10	2.9	2.8
C103640	0.3	9.89	521	2.2	2.01	<0.2	72	104	128	56	6.1	3.0	2.8	2.23	10	9.7	3.8
C107048	0.4	11.2	250	3.2	0.86	0.4	109	25	107	291	2.4	1.6	1.0	2.28	16	3.2	2.5
C107049	1.3	10.5	262	3.7	0.21	0.2	121	88	124	317	9.9	4.5	4.0	2.54	<1	13.2	9.4
C107050	0.5	12.5	279	3.7	0.27	0.5	120	21	119	99	2.4	1.6	1.0	2.49	17	3.3	3.1
C107052	0.3	11.3	265	3.2	0.87	0.4	148	15	104	304	1.7	1.2	0.9	2.27	17	2.8	2.0
C107053	1.6	17.3	403	4.7	1.62	<0.2	146	6250	160	787	2.7	2.2	1.0	2.49	20	4.0	4.1
C107054	<0.2	13.3	391	3.2	5.12	0.4	109	60	63	73	2.4	2.1	1.8	5.48	22	4.0	2.4
C107055	<0.2	12.9	235	3.8	2.75	0.5	78	21	79	100	1.8	1.5	0.8	2.75	18	2.5	2.5
C107052 R	0.2	11.4	265	3.3	0.89	0.4	142	15	107	305	1.7	1.3	0.9	2.32	17	2.8	1.8

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.1	3.10	83	30	2.86	0.072	1	3.31	6	64	27	0.659	20	14	12	8.6	<1
C103635	1.4	3.71	14	6	3.48	0.782	5	0.07	<1	18	44	0.161	43	3	20	6.4	<1
C103636	0.8	5.81	41	6	1.77	0.360	2	0.10	2	35	30	0.142	26	7	13	7.0	<1
C103637	0.6	6.33	41	6	0.757	0.069	5	0.10	1	32	26	0.145	19	7	11	5.5	<1
C103638	1.2	2.34	16	5	5.73	1.11	<1	0.14	<1	16	46	0.132	13	3	11	6.1	<1
C103640	1.1	2.66	31	8	1.08	0.098	23	0.99	3	32	19	0.176	84	6	13	9.6	<1
C107048	0.7	3.60	77	21	1.66	0.036	31	0.06	2	30	21	0.172	15	7	7	4.1	<1
C107049	1.8	3.27	69	37	1.18	0.006	115	0.05	3	42	34	0.192	129	9	10	9.4	<1
C107050	0.7	3.95	82	22	1.49	0.010	35	0.06	3	32	19	0.186	17	7	6	4.2	<1
C107052	0.6	3.59	112	17	1.59	0.040	12	0.05	3	36	20	0.182	5	9	6	4.2	<1
C107053	1.1	6.06	109	21	2.13	0.089	30	0.08	<1	36	327	0.163	13	10	11	4.3	<1
C107054	0.7	4.78	60	15	3.37	0.285	17	0.06	3	40	21	0.200	15	9	11	7.0	<1
C107055	0.5	4.29	49	20	2.55	0.127	15	0.06	2	25	14	0.184	4	5	9	3.6	<1
C107052 R	0.6	3.63	110	17	1.61	0.041	12	0.05	2	36	21	0.182	5	8	7	4.4	<1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 14

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1160	1	0.4	13	1.05	4	131	<1	22	1.8	86	144
C103635	40	3	5.2	10	0.144	410	51	1	35	3.0	16	45
C103636	21	<1	2.0	15	0.283	190	86	3	24	2.2	10	75
C103637	10	<1	0.9	16	0.275	131	97	3	16	1.9	4	83
C103638	64	4	2.9	6	0.059	98	16	1	29	2.7	18	27
C103640	36	<1	3.9	12	0.156	319	69	2	25	3.3	8	89
C107048	6	<1	0.8	9	0.309	107	79	<1	15	1.9	14	66
C107049	6	<1	24.0	7	0.298	2430	85	3	48	4.7	15	64
C107050	5	<1	1.3	9	0.373	154	87	<1	15	2.0	14	76
C107052	6	<1	<0.3	9	0.320	38	78	<1	12	1.4	16	56
C107053	9	<1	5.5	144	0.408	690	155	<1	21	3.0	17	120
C107054	18	<1	1.0	95	0.327	69	106	7	17	2.1	17	66
C107055	11	<1	<0.3	12	0.302	21	71	<1	15	1.6	17	75
C107052 R	6	<1	<0.3	10	0.320	38	80	1	11	1.4	14	57

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 24

Report No: 06-1154
Date: September 22, 2006

Column Header Details

U3O8 Assay by ICP in wt % (U3O8)

Sample Number	U3O8 wt %
CG515/LS4/BL4A	0.148
C103639	0.190
C107049	0.289

Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standard is BL4A.

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 10

Report No: 06-1154
Date: September 22, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BL4A	0.1	12.4	0.4	39.1	50.3	<0.2	0.3	11.8	48.7	25.7	0.4	<0.2	<0.2	31.5	101	211
C103639	<0.1	41.6	3.0	179	230	<0.2	0.8	1.2	23.2	96.6	<0.2	<0.2	<0.2	1630	9.8	10.1
C103641	3.7	137	376	918	131000	<0.2	1.1	39.6	59.0	77.7	<0.2	18.2	4.9	13.0	19.2	10.5
C107046	1.2	4.7	15.0	11.2	10000	<0.2	0.3	<0.1	8.9	11.4	<0.2	0.4	<0.2	3.2	7.9	30.4
C107056	1.2	121	3.7	68.1	850	<0.2	0.2	133	17.7	6.02	7.7	<0.2	<0.2	37.6	28.4	30.1
C107057	<0.1	8.1	0.7	11.9	92.6	<0.2	0.2	23.4	6.2	4.18	<0.2	<0.2	<0.2	44.2	7.0	26.3
C107058	0.2	13.1	1.8	41.0	37.3	<0.2	0.2	1.6	25.9	2.87	<0.2	<0.2	<0.2	29.0	10.3	25.0
C107059	0.1	16.7	2.5	48.0	54.0	<0.2	0.2	9.0	28.0	9.23	<0.2	<0.2	<0.2	139	8.4	23.2
C107060	0.2	14.5	1.3	36.6	65.4	<0.2	0.2	2.1	15.4	2.37	<0.2	<0.2	<0.2	16.4	8.5	22.5
C107056 R	1.0	113	3.4	65.9	839	<0.2	0.2	128	16.5	5.91	7.2	<0.2	<0.2	36.5	27.4	29.7

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 10

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project:
Samples: 10

Report No: 06-1154
Date: September 22, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BL4A	<0.2	17.6	2280	2.0	4.75	0.8	165	16	117	3	3.2	2.4	2.8	7.22	24	5.6	4.6
C103639	0.7	11.7	379	3.3	9.95	<0.2	65	180	56	238	8.7	5.1	5.8	9.01	<1	13.0	7.8
C103641	28.3	7.92	150	1.5	0.44	<0.2	18	920	63	135000	0.2	1.1	1.6	25.8	14	<0.5	7.1
C107046	1.7	0.62	26	<0.2	9.36	<0.2	9	11	152	10100	1.3	1.5	0.9	4.84	2	2.2	1.6
C107056	0.6	8.04	144	2.0	17.7	0.5	80	70	51	848	2.1	3.1	1.6	10.6	12	2.8	4.5
C107057	<0.2	13.3	248	4.0	4.13	0.6	129	11	78	98	2.1	1.7	1.1	3.12	18	3.4	2.8
C107058	<0.2	13.0	393	2.6	7.71	0.3	89	41	58	39	1.8	2.0	1.5	5.14	20	3.5	4.8
C107059	<0.2	12.4	368	2.5	7.86	0.5	82	48	49	64	2.4	2.2	1.7	5.04	17	3.9	1.9
C107060	<0.2	13.4	402	2.7	7.54	0.5	100	40	60	59	1.9	2.0	1.7	5.09	20	3.7	2.8
C107056 R	0.9	7.90	147	2.0	17.4	0.6	79	66	51	840	2.0	3.0	1.5	10.4	11	2.8	4.8

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Date: September 22, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BL4A	1.0	3.21	86	31	2.93	0.073	1	3.41	6	65	26	0.671	20	14	12	8.7	<1
C103639	2.0	4.00	20	9	3.66	0.686	3	0.29	2	38	36	0.173	99	7	11	11.1	<1
C103641	0.5	1.15	12	4	0.289	0.027	45	2.71	<1	12	67	<0.002	277	1	4	3.0	8
C107046	0.5	0.146	5	10	5.30	0.497	1	0.04	<1	6	12	<0.002	26	1	<1	3.3	<1
C107056	1.0	2.22	68	28	10.0	0.821	148	0.06	5	23	22	0.136	14	5	9	6.0	<1
C107057	0.6	4.61	92	16	2.85	0.199	27	0.07	5	36	12	0.208	5	8	8	4.7	<1
C107058	0.8	4.80	53	13	4.30	0.425	3	0.15	4	33	39	0.184	5	7	10	6.1	<1
C107059	0.7	4.58	48	14	4.41	0.436	11	0.14	3	30	43	0.181	11	6	10	5.9	<1
C107060	0.8	4.99	60	15	4.16	0.414	4	0.28	4	36	39	0.196	4	8	11	6.3	<1
C107056 R	1.0	2.17	67	28	9.81	0.804	145	0.06	6	23	18	0.137	13	5	9	5.9	<1

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Samples: 10

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4/BL4A	1200	1	0.4	13	1.09	4	132	1	22	1.9	87	142
C103639	48	1	17.3	8	0.151	1630	60	4	55	4.0	15	56
C103641	30	<1	1.7	4	0.043	15	19	<1	8	1.0	13	27
C107046	28	1	1.0	<1	0.004	3	6	<1	14	0.7	46	47
C107056	53	3	1.7	11	0.149	40	69	1	23	2.3	46	90
C107057	17	<1	0.3	10	0.412	49	81	2	17	1.9	28	95
C107058	29	1	0.9	12	0.328	30	82	7	16	1.9	15	320
C107059	31	1	1.5	12	0.302	141	78	6	19	1.9	14	58
C107060	33	2	0.5	13	0.350	17	80	5	17	1.8	11	108
C107056 R	51	3	1.7	11	0.155	38	68	2	23	2.3	48	96

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Geoanalytical Group: 2006-994

SRC Geoanalytical Laboratories

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August 24, 2006

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Reviewed by: Chelsey Schneider

Chelsey Schneider

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	0.3	17.3	2110	1.9	4.78	1.0	150	18	114	3	3.0	2.6	2.6	7.34	19	5.9	3.4
C103601	0.8	14.3	1150	3.7	1.49	0.6	42	19	95	8	4.5	2.5	1.4	1.86	19	5.5	4.3
C103602	12.3	12.1	622	1.4	8.82	0.3	205	268	61	64	33.8	13.9	21.7	16.4	17	32.8	17.1
C103605	0.4	14.7	1010	1.3	4.95	1.1	197	13	87	1570	14.7	7.4	6.0	11.4	17	15.9	3.5
C103607	0.8	12.7	1430	2.4	7.80	0.5	166	19	40	74	4.7	2.8	2.6	3.60	16	8.3	2.0
C103609	<0.2	8.61	289	1.2	14.8	0.6	23	24	34	143	5.5	3.6	3.2	9.60	11	6.9	2.9
C103610	0.2	8.60	271	1.6	10.0	0.7	114	74	51	82	6.3	3.7	3.2	8.55	8	9.6	3.8
C103612	1.3	10.6	516	2.0	17.8	0.7	242	62	67	1050	3.5	3.7	2.6	12.6	15	5.4	2.4
C103613	0.5	14.6	3200	0.7	6.86	0.9	64	75	47	207	8.6	5.3	3.4	11.7	16	8.4	4.1
C103615	1.1	14.8	1530	3.0	9.51	0.7	138	40	68	7710	4.5	3.5	2.6	8.02	24	6.9	1.8
C103776	0.6	13.2	241	3.2	6.86	0.5	64	75	71	247	2.5	2.1	0.9	4.80	15	2.8	2.9
C103779	0.6	13.9	390	3.1	6.30	0.7	106	37	80	70	2.7	2.1	1.6	3.99	20	4.6	1.8
C103780	0.7	12.5	334	2.8	8.54	0.7	116	69	78	56	4.2	3.1	2.2	5.60	18	6.5	2.6
C103781	0.7	11.1	287	2.4	13.1	0.7	120	42	55	77	3.6	3.2	1.9	7.23	18	5.7	1.9
C103783	1.1	12.6	315	2.2	9.68	0.7	151	22	55	77	3.0	2.5	2.2	5.30	20	5.7	1.7
C103784	0.5	11.1	167	1.2	11.1	0.7	86	51	46	85	2.5	2.5	1.5	7.77	12	3.5	1.5
C103787	0.2	14.7	368	2.2	8.18	0.8	100	29	59	31	3.3	2.9	2.3	8.03	19	4.6	2.3
C103801	<0.2	11.9	223	2.9	5.39	0.6	64	27	102	55	2.3	1.9	0.8	3.54	14	2.9	1.6
C103811	0.3	13.9	405	3.1	7.78	0.8	104	41	82	41	3.0	2.5	1.7	4.71	19	4.8	1.7
C103812	0.4	14.1	408	3.2	7.64	0.7	95	42	76	107	3.1	2.5	1.5	4.86	19	4.6	1.5
CG515/LS4	0.3	17.7	2220	2.0	4.72	1.0	155	20	117	4	3.1	2.6	2.7	7.46	19	6.0	3.4
C103813	0.6	11.7	317	2.5	9.70	0.5	77	41	64	78	3.1	2.6	1.3	5.58	15	4.0	1.3
C103814	0.3	12.9	353	2.9	9.03	0.6	85	54	49	74	2.7	2.4	1.4	5.27	18	4.0	1.5
C103824	0.4	14.8	457	3.2	7.92	0.8	102	41	43	88	2.9	2.5	1.6	5.12	21	4.5	2.0
C103825	0.6	14.0	409	3.1	7.74	0.8	106	33	48	34	2.8	2.3	1.7	4.99	19	4.5	1.8
C103833	0.2	14.4	420	2.3	6.96	0.8	94	9	55	1	2.5	2.4	1.9	8.60	18	4.0	2.3
C103835	0.6	10.1	176	2.6	3.99	0.4	50	36	63	319	1.8	1.5	0.6	3.35	12	2.2	2.7
C103836	1.2	11.2	199	2.8	0.23	0.5	59	82	81	994	2.5	1.5	0.8	1.42	13	3.2	3.2
C103837	0.9	11.6	209	3.0	0.45	0.5	36	128	84	323	2.6	2.0	0.7	1.51	14	2.8	3.5
C103838	0.6	10.2	174	2.3	0.86	0.5	39	62	93	349	2.0	1.4	0.6	2.57	13	2.8	4.5
C103839	0.9	8.70	145	1.7	0.27	0.3	43	58	69	708	1.8	1.2	0.6	2.71	11	2.3	2.9
C103842	0.7	13.9	333	3.5	1.06	0.7	129	23	118	549	1.8	1.4	0.9	1.97	17	3.0	2.3
C103845	0.6	14.0	336	3.3	0.20	0.6	133	15	121	118	1.5	1.2	0.9	1.32	17	3.1	2.2
C103847	1.6	9.49	206	2.0	0.30	0.4	48	21	88	259	2.1	1.2	0.7	1.93	14	3.3	4.4
C103848	1.0	11.4	254	2.6	1.60	0.6	86	21	77	178	2.8	1.8	1.0	1.90	18	4.6	4.1
C106953	0.7	8.55	158	3.3	5.12	0.4	54	30	66	8	1.8	1.5	0.6	3.91	6	2.5	2.9
C106954	0.8	8.78	143	2.4	8.60	0.4	68	25	75	68	2.6	2.0	0.9	5.36	6	3.2	2.3
C106956	1.4	13.9	347	2.8	8.05	0.7	80	38	75	27	3.0	2.4	1.3	4.83	20	4.3	1.8
C106959	5.7	11.8	293	2.8	5.16	0.4	97	149	79	2200	3.3	2.4	1.5	4.26	18	5.3	3.5
C106954 R	0.6	8.70	139	2.3	8.55	0.4	65	27	72	69	2.6	2.2	0.9	5.30	7	3.2	2.3

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.9	2160	1.9	4.91	1.0	153	20	112	4	3.1	2.5	2.6	7.39	19	5.9	3.3
C106960	0.7	12.7	299	2.6	6.53	0.7	85	58	79	48	2.7	2.1	1.4	4.83	17	4.1	2.7
C106961	0.5	12.4	312	2.3	6.89	0.5	82	99	81	399	3.0	2.4	1.5	6.68	16	4.3	2.4
C106962	0.4	12.7	305	2.2	5.55	0.5	86	86	82	92	2.8	2.1	1.4	4.41	17	4.3	2.3
C106963	0.2	13.1	340	2.4	2.71	0.8	91	30	78	223	1.8	1.7	1.2	5.72	17	3.3	2.2
C106964	0.2	14.7	356	2.6	5.87	0.8	109	18	79	5	3.0	2.2	1.6	4.88	18	4.5	1.9
C106971	0.5	18.2	486	4.5	0.75	1.0	119	16	100	238	1.8	1.4	1.0	1.35	24	3.3	2.0
C106972	0.3	18.0	484	4.2	0.19	0.7	126	7	100	155	1.7	1.1	1.0	0.93	23	3.5	2.9
C106973	0.4	17.5	468	4.3	0.52	0.9	104	38	97	182	1.6	1.1	0.9	1.21	22	3.0	1.8
C106975	1.2	10.4	227	2.0	0.20	0.5	57	65	92	725	2.0	1.3	0.7	2.15	14	2.9	2.7
C106976	0.8	9.43	141	1.4	0.31	0.5	76	87	91	127	1.8	1.4	0.9	5.70	7	2.9	3.0
C106978	0.6	11.2	192	1.7	0.34	0.6	62	57	90	570	1.5	1.2	0.8	4.80	10	2.6	2.5
C106979	0.9	14.2	379	2.9	0.73	0.7	96	58	91	402	2.6	1.6	1.4	2.24	22	4.8	2.9
C106981	0.2	14.3	372	2.9	5.23	0.8	119	26	88	37	2.5	1.9	1.5	3.30	21	4.7	1.6
C106983	0.6	13.3	343	2.8	7.33	0.8	139	32	81	47	3.4	2.5	2.1	4.48	21	6.1	1.8
C106984	1.7	13.5	343	2.6	0.31	0.7	167	29	101	113	3.2	1.6	2.7	1.43	23	8.0	5.4
C106985	0.3	14.5	374	2.8	0.48	0.8	156	61	91	349	3.2	1.9	2.4	1.92	24	7.3	4.4
C106986	0.3	15.5	395	3.0	7.29	0.8	193	32	83	78	3.6	2.6	2.7	4.70	23	7.2	2.3
C106988	<0.2	14.6	379	2.3	2.76	0.8	122	42	97	26	3.7	2.2	2.3	3.93	22	6.2	2.6
C106989	0.2	14.1	379	2.4	3.31	0.7	90	53	93	22	2.6	1.9	1.6	4.08	19	4.1	2.5
CG515/LS4	0.2	17.4	2050	1.8	4.72	1.0	148	20	112	4	3.0	2.4	2.5	7.29	17	5.7	3.4
C106990	0.2	13.4	374	2.3	3.31	0.6	95	108	79	15	3.0	2.0	2.1	4.21	17	4.9	2.0
C106989 R	<0.2	14.2	378	2.5	3.31	0.7	93	55	91	21	2.6	1.9	1.7	4.07	19	4.3	2.3
CG515/LS4/BL2A	0.3	17.2	2080	1.7	4.63	1.0	147	19	112	3	3.0	2.2	2.5	7.03	17	5.8	3.5
C103603	1.3	14.7	11300	1.9	4.29	0.7	103	18	83	3340	10.1	3.6	5.8	2.68	23	20.9	17.3
C103606	12.9	17.9	1240	3.2	0.33	0.9	122	20	93	107	26.6	11.0	8.3	1.80	21	29.4	12.5
C103608	1.2	10.6	1160	1.2	8.96	0.5	68	13	65	218	6.8	3.5	3.1	2.66	10	9.4	2.7
C103611	2.0	8.16	418	2.7	17.4	0.6	52	7	44	9	5.5	4.1	2.5	3.87	12	7.7	3.3
C103826	0.5	14.5	410	3.0	7.47	0.8	94	26	46	97	4.3	2.8	2.4	4.66	19	6.6	4.0
C103849	2.4	9.26	155	2.1	6.58	0.4	60	35	66	159	3.4	2.3	1.1	5.76	11	5.7	7.6
C103850	1.3	10.6	196	2.7	6.22	0.4	69	63	84	85	3.0	2.0	0.9	4.72	14	5.0	8.9
C106951	1.9	9.48	206	2.4	8.77	0.4	105	49	71	34	3.7	2.7	1.3	5.53	16	6.3	8.4
C106952	1.2	8.44	142	3.1	5.46	0.4	53	44	75	52	3.9	1.7	1.8	4.51	12	8.6	14.0
C106957	2.3	11.2	264	2.2	14.1	0.4	57	49	44	140	4.5	3.2	1.5	7.71	15	5.5	4.6
C106958	2.9	11.2	258	2.2	11.3	0.4	73	109	45	180	4.2	3.0	1.5	6.91	16	5.7	4.6
C103614	1.1	8.13	190	1.0	11.7	0.6	111	26	72	480	12.4	5.8	8.8	15.5	10	20.5	12.4
C103604	5.9	15.0	1400	4.2	2.49	0.4	208	26	94	143	53.2	20.9	26.8	2.53	45	88.0	63.4
C103604 R	5.9	15.0	1400	4.2	2.49	0.4	209	26	94	144	53.2	21.0	26.8	2.53	45	88.0	63.5
CG515/LS4/BL3	<0.2	17.7	2170	2.0	4.91	1.0	150	20	119	4	3.0	2.5	2.6	7.41	19	5.1	3.7
C103792	5.1	8.94	278	3.2	1.11	<0.2	304	294	118	311	29.3	28.5	9.5	3.40	212	142	365

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
C103792 R	5.3	9.06	280	3.2	1.12	<0.2	304	303	114	319	30.2	28.5	9.6	3.39	213	144	360

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Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	0.9	3.08	81	27	2.73	0.072	1	3.07	8	62	24	0.659	17	14	12	8.4	2
C103601	1.0	4.77	26	29	1.03	0.064	8	0.08	8	16	13	0.297	29	4	10	3.8	<1
C103602	5.4	6.58	133	60	3.99	0.510	1950	1.00	8	77	195	0.347	210	23	8	23.8	5
C103605	3.0	10.2	118	16	2.68	0.198	19	0.09	10	80	30	0.252	37	18	15	17.0	1
C103607	1.1	4.64	91	14	4.04	0.263	23	0.06	4	65	34	0.116	13	15	9	11.0	<1
C103609	1.1	2.55	11	12	6.27	0.450	2	0.53	2	18	39	0.172	52	3	8	8.0	<1
C103610	1.4	2.68	63	12	4.40	0.389	21	0.07	2	47	78	0.164	41	11	9	11.8	<1
C103612	1.1	3.51	216	14	9.10	0.473	120	0.08	5	55	71	0.229	11	16	8	8.3	<1
C103613	2.0	9.37	33	50	3.41	0.091	4	0.15	11	33	128	0.366	22	6	26	8.5	<1
C103615	1.1	6.97	88	82	6.33	0.141	16	1.84	10	51	44	0.106	30	12	12	9.0	<1
C103776	0.7	4.58	38	13	3.23	0.282	34	0.07	6	25	33	0.144	7	6	10	4.1	<1
C103779	0.7	4.82	60	21	3.71	0.306	45	0.08	7	42	29	0.194	7	10	11	7.0	<1
C103780	0.9	4.41	64	26	4.44	0.435	124	0.10	6	48	40	0.186	25	11	12	8.8	<1
C103781	0.9	3.88	66	23	6.59	0.629	74	0.08	5	50	30	0.179	15	12	11	8.8	<1
C103783	0.7	4.60	80	18	5.17	0.411	167	0.07	6	61	30	0.190	13	14	12	9.8	<1
C103784	0.8	2.51	46	27	6.88	0.473	72	1.33	3	35	48	0.191	5	8	11	6.6	<1
C103787	0.9	5.20	59	22	5.37	0.353	5	0.07	4	38	39	0.213	11	9	13	7.2	<1
C103801	0.6	4.02	39	14	3.04	0.258	4	0.06	5	24	25	0.227	4	6	10	4.0	<1
C103811	0.8	4.83	61	21	4.12	0.394	11	0.31	6	41	29	0.196	6	10	11	7.0	<1
C103812	0.7	4.98	56	21	4.04	0.400	5	0.11	6	37	24	0.203	8	9	11	6.6	<1
CG515/LS4	1.0	3.20	84	28	2.82	0.076	1	3.22	9	63	25	0.687	18	14	12	8.5	2
C103813	0.8	3.93	45	18	4.76	0.525	18	0.34	4	30	33	0.193	7	7	9	6.0	<1
C103814	0.6	4.49	53	23	4.67	0.420	3	0.25	6	35	36	0.207	4	8	11	6.2	<1
C103824	0.8	5.37	61	22	4.35	0.364	44	0.09	6	40	37	0.198	5	9	12	6.8	<1
C103825	0.7	5.02	63	18	4.25	0.392	27	0.07	6	41	42	0.196	5	10	12	7.0	<1
C103833	0.8	5.46	57	15	4.09	0.311	4	0.06	3	36	33	0.205	4	8	12	6.6	<1
C103835	<0.4	3.31	30	19	2.48	0.181	24	0.05	4	17	19	0.107	10	4	7	2.6	<1
C103836	0.6	3.75	32	17	0.803	0.011	6	0.05	5	22	21	0.091	22	5	7	3.5	<1
C103837	0.6	3.92	18	13	0.811	0.023	3	0.05	5	15	24	0.115	16	3	7	2.5	<1
C103838	0.5	3.10	23	22	1.14	0.029	16	0.05	3	14	31	0.105	11	4	5	2.6	<1
C103839	0.4	2.48	29	22	1.13	0.015	49	0.04	3	14	31	0.104	17	3	6	2.3	<1
C103842	0.6	4.61	90	18	1.16	0.048	83	0.07	5	37	21	0.183	6	10	9	4.1	<1
C103845	0.5	4.58	91	12	0.881	0.005	55	0.07	6	39	19	0.179	3	10	8	4.2	<1
C103847	0.5	2.91	30	17	0.974	0.011	147	0.05	5	16	28	0.147	30	4	6	2.7	<1
C103848	0.6	3.79	54	16	1.50	0.073	54	0.06	5	28	31	0.170	38	7	7	4.4	<1
C106953	0.4	2.29	45	21	3.14	0.250	38	0.10	3	16	25	0.147	48	5	4	2.9	<1
C106954	0.6	2.10	50	15	4.25	0.427	33	0.79	3	22	25	0.145	35	6	5	4.3	<1
C106956	0.7	4.88	49	17	4.15	0.410	52	0.08	6	32	24	0.187	17	7	11	5.9	<1
C106959	0.8	4.03	59	25	3.03	0.297	655	0.06	6	36	36	0.152	35	10	9	6.3	<1
C106954 R	0.6	2.02	48	14	4.13	0.406	33	0.76	3	21	26	0.142	36	6	5	4.1	<1

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Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.0	3.16	84	27	2.79	0.074	1	3.19	8	63	26	0.663	18	14	12	8.5	1
C106960	0.6	4.43	50	20	3.58	0.340	96	0.06	4	32	35	0.184	18	8	10	5.7	<1
C106961	0.7	4.46	48	14	3.54	0.376	69	0.06	5	32	36	0.181	15	8	10	5.8	<1
C106962	0.7	4.53	52	11	3.14	0.298	13	0.05	5	33	34	0.185	12	8	10	5.6	<1
C106963	0.5	4.42	55	17	2.26	0.133	1	0.05	5	33	34	0.188	6	8	10	5.1	<1
C106964	0.7	5.29	67	12	3.38	0.334	3	0.06	4	40	34	0.200	7	9	11	6.5	<1
C106971	0.6	6.35	79	13	1.20	0.035	23	0.09	2	37	16	0.177	5	10	13	4.6	<1
C106972	0.4	6.45	82	13	0.906	0.002	1	0.08	4	40	9	0.175	7	10	11	4.7	<1
C106973	0.5	6.08	69	11	1.03	0.024	8	0.08	3	32	17	0.182	3	8	14	4.1	<1
C106975	0.4	3.20	37	19	1.08	0.012	46	0.05	4	18	34	0.147	18	4	7	2.8	<1
C106976	0.5	2.00	49	36	2.31	0.021	37	0.04	2	25	131	0.150	17	6	4	3.6	<1
C106978	0.4	2.74	38	32	2.30	0.025	20	0.05	2	22	62	0.166	11	5	6	3.5	<1
C106979	0.7	4.73	56	23	1.35	0.028	88	0.07	6	36	31	0.217	17	9	10	5.6	<1
C106981	0.6	5.06	68	22	3.06	0.258	18	0.08	4	45	23	0.193	4	11	11	7.0	<1
C106983	0.7	4.74	76	23	3.86	0.371	87	0.07	5	56	27	0.193	15	13	12	9.3	<1
C106984	0.5	4.77	83	26	0.936	0.008	277	0.06	7	65	28	0.191	48	16	10	9.9	1
C106985	0.7	5.18	81	20	1.15	0.017	18	0.06	4	61	52	0.201	36	15	10	9.2	<1
C106986	1.0	5.68	108	18	4.28	0.369	30	0.06	4	75	47	0.209	11	18	13	11.4	<1
C106988	0.9	5.28	67	18	2.30	0.142	6	0.08	3	48	36	0.197	17	11	11	7.9	<1
C106989	0.6	5.16	50	17	2.43	0.163	18	0.12	3	33	33	0.190	10	7	11	5.6	<1
CG515/LS4	0.9	3.07	81	26	2.71	0.071	1	3.08	8	61	24	0.683	17	14	11	8.2	<1
C106990	0.7	4.82	54	18	2.38	0.156	7	0.17	4	37	35	0.206	9	9	10	6.4	<1
C106989 R	0.7	5.15	53	17	2.44	0.163	18	0.12	3	36	32	0.189	10	8	11	6.0	<1
CG515/LS4/BL2A	0.9	3.03	81	26	2.74	0.070	1	3.10	7	61	26	0.692	17	13	11	8.1	1
C103603	1.0	6.76	41	29	3.04	0.142	37	0.05	4	57	43	0.220	219	18	9	15.2	<1
C103606	4.2	6.90	52	41	1.17	0.006	2440	0.04	5	62	35	0.242	152	18	7	22.9	<1
C103608	1.2	5.55	34	15	3.07	0.210	160	0.05	2	31	26	0.161	73	8	7	8.3	<1
C103611	1.1	3.12	19	19	4.77	0.392	2	0.05	2	30	25	0.136	110	7	7	8.0	<1
C103826	0.9	5.13	53	23	4.18	0.387	30	0.13	6	39	37	0.192	48	9	11	7.2	<1
C103849	0.5	2.53	36	25	4.32	0.345	60	0.04	3	22	40	0.163	86	7	7	4.4	<1
C103850	0.4	3.26	46	18	3.67	0.329	35	0.05	5	21	35	0.174	104	8	7	3.8	<1
C106951	0.5	3.01	69	14	4.47	0.447	47	0.06	5	33	34	0.177	113	11	8	5.9	<1
C106952	0.4	2.16	27	26	3.39	0.264	43	0.09	4	27	38	0.150	181	10	5	5.4	<1
C106957	0.8	3.80	32	17	6.74	0.725	65	0.07	5	26	39	0.186	46	7	9	5.8	<1
C106958	0.8	3.79	43	20	5.71	0.591	119	0.06	4	30	47	0.179	60	8	9	6.2	<1
C103614	2.0	1.62	81	21	4.87	0.470	69	1.75	8	48	48	0.334	120	12	7	16.6	5
C103604	7.3	5.82	38	55	1.82	0.077	1180	0.04	17	163	45	0.305	717	49	9	56.8	<1
C103604 R	7.3	5.83	38	55	1.82	0.077	1180	0.04	17	163	45	0.305	717	49	9	56.8	<1
CG515/LS4/BL3	0.9	3.15	86	28	2.75	0.073	1	3.22	8	61	24	0.687	17	16	11	7.9	3
C103792	8.2	2.53	117	59	1.37	0.076	459	0.05	56	77	212	0.359	3000	83	21	7.2	10

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Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
C103792 R	8.0	2.53	113	60	1.38	0.076	474	0.05	55	79	216	0.362	3060	89	21	8.2	12

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CG515/LS4	1090	<1	0.3	11	0.979	3	120	2	20	1.8	89	150	N/R
C103601	15	<1	2.6	10	0.403	314	76	1	27	2.8	15	147	N/R
C103602	112	<1	37.6	18	0.155	3800	42	10	116	9.6	42	54	0.458
C103605	29	<1	5.6	12	0.497	330	107	2	55	6.3	33	56	N/R
C103607	62	<1	1.1	10	0.212	88	45	2	24	2.1	37	70	N/R
C103609	76	<1	4.6	6	0.099	410	37	2	27	2.1	44	39	N/R
C103610	57	<1	6.4	8	0.124	620	47	3	29	2.5	38	45	N/R
C103612	71	<1	1.5	9	0.165	52	96	6	23	2.2	39	66	N/R
C103613	72	<1	3.7	8	1.33	260	383	2	38	4.5	44	114	N/R
C103615	64	<1	0.7	12	0.495	7	54	<1	24	2.2	75	54	N/R
C103776	28	<1	0.6	8	0.346	92	56	<1	17	1.8	39	93	N/R
C103779	23	<1	0.5	12	0.359	87	113	1	16	1.9	29	72	N/R
C103780	28	<1	3.5	12	0.291	400	102	2	24	2.4	39	68	N/R
C103781	36	<1	2.4	9	0.234	250	112	1	20	2.2	48	61	N/R
C103783	27	1	0.8	11	0.253	74	188	1	16	2.1	96	71	N/R
C103784	30	<1	0.9	9	0.159	70	94	3	15	1.8	54	59	N/R
C103787	25	<1	0.9	13	0.248	71	79	3	19	2.3	44	73	N/R
C103801	17	<1	<0.3	8	0.331	30	55	<1	14	1.6	39	79	N/R
C103811	29	<1	0.7	12	0.341	72	93	2	18	1.9	36	70	N/R
C103812	27	<1	0.6	12	0.346	85	78	1	19	2.0	37	69	N/R
CG515/LS4	1130	<1	<0.3	12	1.03	<2	120	<1	21	1.8	92	137	N/R
C103813	34	<1	1.0	11	0.286	83	61	2	18	1.8	39	59	N/R
C103814	33	1	0.9	12	0.315	110	71	1	17	1.8	38	60	N/R
C103824	29	<1	0.5	13	0.365	57	97	2	18	2.1	38	73	N/R
C103825	26	<1	0.4	12	0.348	56	99	1	17	2.0	36	72	N/R
C103833	19	<1	0.4	12	0.271	8	76	2	15	1.7	32	70	N/R
C103835	14	<1	1.5	7	0.245	230	41	<1	12	1.3	36	78	N/R
C103836	7	<1	1.8	9	0.286	240	41	<1	15	1.8	10	89	N/R
C103837	6	<1	1.4	9	0.281	220	42	<1	19	2.4	10	107	N/R
C103838	5	<1	4.3	7	0.231	560	35	<1	13	1.7	17	83	N/R
C103839	4	<1	2.3	7	0.211	320	35	<1	10	1.3	16	64	N/R
C103842	8	<1	<0.3	11	0.465	35	76	<1	12	1.5	13	88	N/R
C103845	6	<1	<0.3	10	0.451	45	76	<1	10	1.4	11	84	N/R
C103847	5	<1	4.6	9	0.268	620	67	1	13	1.6	14	66	N/R
C103848	9	<1	4.4	10	0.293	590	79	1	16	2.0	17	75	N/R
C106953	19	<1	3.8	7	0.183	500	34	<1	12	1.3	36	49	N/R
C106954	28	<1	3.2	7	0.197	370	42	2	15	1.5	42	47	N/R
C106956	26	<1	1.5	11	0.337	200	96	1	17	2.0	37	67	N/R
C106959	20	<1	4.3	11	0.326	550	103	3	18	2.1	32	67	N/R
C106954 R	27	<1	3.3	7	0.192	370	41	1	14	1.5	44	46	N/R

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Attention:
PO #/Project: Lumina
Samples: 81

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1120	<1	<0.3	12	0.992	<2	121	<1	20	1.8	91	141	N/R
C106960	22	<1	2.3	11	0.253	300	82	2	16	1.8	36	66	N/R
C106961	23	<1	2.4	11	0.274	270	81	6	18	1.9	37	67	N/R
C106962	18	<1	1.6	11	0.317	220	74	4	16	1.8	33	68	N/R
C106963	10	<1	0.3	12	0.326	58	79	3	12	1.7	35	66	N/R
C106964	19	1	0.6	13	0.311	83	77	3	17	2.0	37	78	N/R
C106971	8	<1	<0.3	12	0.362	60	96	<1	11	1.5	10	80	N/R
C106972	5	<1	0.8	12	0.452	210	92	<1	11	1.5	7	93	N/R
C106973	6	<1	<0.3	11	0.354	20	95	<1	11	1.4	10	74	N/R
C106975	6	<1	1.7	8	0.237	250	76	<1	12	1.4	13	62	N/R
C106976	6	<1	2.4	9	0.160	300	47	<1	10	1.3	24	51	N/R
C106978	6	<1	1.0	10	0.204	160	56	<1	10	1.2	24	56	N/R
C106979	7	<1	1.7	13	0.343	270	92	3	16	1.9	16	78	N/R
C106981	20	<1	0.6	12	0.309	97	103	1	14	1.7	29	65	N/R
C106983	26	<1	1.5	11	0.268	170	121	1	18	1.9	37	65	N/R
C106984	9	<1	7.0	12	0.312	940	144	3	15	1.9	12	73	N/R
C106985	8	<1	4.6	13	0.295	630	99	4	18	2.1	13	80	N/R
C106986	23	<1	1.1	12	0.263	130	119	3	19	2.1	38	84	N/R
C106988	11	<1	2.0	12	0.244	240	88	<1	18	1.9	31	74	N/R
C106989	12	<1	1.0	12	0.260	150	72	3	15	1.7	30	77	N/R
CG515/LS4	1120	<1	<0.3	11	0.979	3	123	<1	20	1.7	92	142	N/R
C106990	14	<1	0.8	13	0.258	110	70	4	18	1.8	31	70	N/R
C106989 R	12	<1	1.0	12	0.228	150	73	3	15	1.6	31	75	N/R
CG515/LS4/BL2A	1140	<1	<0.3	11	0.980	4	119	<1	20	1.7	84	141	0.505
C103603	174	<1	33.3	11	0.232	4300	82	3	54	3.3	30	44	0.509
C103606	16	<1	26.4	17	0.371	2800	77	4	101	10.1	32	62	0.348
C103608	57	<1	5.4	10	0.194	640	39	1	34	2.8	45	35	N/R
C103611	40	<1	6.6	7	0.138	770	38	<1	32	3.9	52	28	N/R
C103826	28	<1	5.2	12	0.342	660	81	2	25	2.3	36	69	N/R
C103849	21	<1	12.6	7	0.187	1650	45	1	20	2.1	47	51	0.184
C103850	21	<1	14.3	11	0.252	1970	68	1	17	2.1	40	71	0.219
C106951	28	<1	13.6	8	0.217	1900	76	1	21	2.2	44	56	0.188
C106952	21	<1	25.3	6	0.151	3300	31	1	24	2.0	45	46	0.378
C106957	41	<1	7.5	9	0.217	910	88	<1	25	2.5	51	58	N/R
C106958	34	<1	7.4	10	0.211	940	72	<1	24	2.3	56	57	N/R
C103614	68	<1	22.4	7	0.157	2660	52	9	62	3.6	55	37	0.274
C103604	33	<1	124	13	0.545	14500	82	12	288	19.5	32	73	1.82
C103604 R	33	<1	124	13	0.545	14200	82	12	288	19.5	32	73	1.81
CG515/LS4/BL3	1140	<1	0.4	12	1.00	4	120	2	21	1.8	91	152	1.22
C103792	32	<1	616	<1	0.265	69000	122	44	142	17.8	27	64	8.08

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Samples: 81

Report No: 06-994
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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
C103792 R	32	<1	621	<1	0.269	69800	123	44	146	18.0	28	64	8.10

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standards are BL2A and BL3.

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ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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Samples: 81

Report No: 06-994
Date: August 24, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.2	13.1	0.5	40.2	50.7	<0.2	<0.2	10.9	51.5	23.8	<0.2	<0.2	<0.2	33.9	98.9	213
C103601	0.1	14.3	3.3	17.1	6.0	<0.2	<0.2	7.9	9.5	27.0	<0.2	<0.2	<0.2	308	4.4	16.2
C103602	0.9	37.0	18.4	268	59.5	<0.2	1.7	1760	181	205	<0.2	22.0	1.7	3730	<0.1	40.9
C103605	0.1	17.1	4.0	9.2	1490	<0.2	<0.2	18.4	10.9	31.9	<0.2	0.5	<0.2	322	12.9	29.8
C103607	0.7	11.5	3.7	14.4	68.4	<0.2	<0.2	21.8	15.7	12.1	<0.2	1.5	<0.2	84.7	3.7	38.4
C103609	<0.1	19.7	2.8	22.7	136	<0.2	<0.2	1.8	31.5	52.2	<0.2	<0.2	<0.2	402	11.6	44.6
C103610	<0.1	209	5.5	73.2	87.4	<0.2	0.6	17.8	74.0	36.2	<0.2	<0.2	<0.2	603	12.8	38.5
C103612	1.1	141	8.7	60.8	1030	<0.2	0.2	119	68.5	5.59	0.6	2.3	<0.2	50.3	23.4	46.6
C103613	<0.1	9.3	3.0	67.2	193	<0.2	<0.2	2.4	111	15.0	<0.2	<0.2	<0.2	246	116	45.9
C103615	0.5	7.8	11.9	36.6	7510	<0.2	0.2	13.2	41.8	6.82	<0.2	<0.2	<0.2	5.7	38.9	62.8
C103776	0.3	82.6	7.0	71.9	242	<0.2	<0.2	32.1	28.4	4.51	<0.2	<0.2	<0.2	91.5	4.5	45.1
C103779	0.3	35.0	3.6	35.2	63.2	<0.2	<0.2	41.0	25.1	4.91	<0.2	<0.2	<0.2	83.3	10.8	33.1
C103780	0.3	95.4	4.6	60.6	47.6	<0.2	<0.2	113	34.8	22.9	<0.2	<0.2	<0.2	392	11.4	37.9
C103781	0.5	63.7	10.7	42.3	74.2	<0.2	0.2	68.4	28.7	11.3	<0.2	<0.2	<0.2	242	17.4	48.9
C103783	1.0	7.3	4.1	19.8	75.5	<0.2	<0.2	150	12.9	11.7	<0.2	0.3	<0.2	72.2	18.6	93.8
C103784	0.5	30.4	3.0	46.4	79.1	<0.2	0.2	69.2	39.6	3.58	<0.2	<0.2	<0.2	68.3	21.7	51.4
C103787	0.1	4.5	1.2	24.8	24.7	<0.2	<0.2	3.9	21.7	9.37	<0.2	<0.2	<0.2	65.7	7.3	45.5
C103801	0.2	26.6	2.5	25.4	49.9	<0.2	<0.2	3.7	20.5	2.31	<0.2	<0.2	<0.2	27.7	4.7	36.0
C103811	0.2	51.1	1.7	36.7	34.7	<0.2	<0.2	11.0	21.9	4.46	<0.2	<0.2	<0.2	68.8	8.1	34.4
C103812	0.3	45.0	2.6	41.6	105	<0.2	<0.2	4.7	23.4	5.49	<0.2	<0.2	<0.2	83.4	5.9	35.1
CG515/LS4	0.2	12.8	0.5	39.9	49.3	<0.2	<0.2	10.7	49.2	24.0	0.5	<0.2	<0.2	33.8	93.9	209
C103813	0.5	59.3	2.5	40.7	75.9	<0.2	<0.2	15.9	28.4	5.34	<0.2	<0.2	<0.2	82.9	6.6	39.5
C103814	0.4	75.7	2.3	53.0	74.7	<0.2	<0.2	4.4	33.0	3.15	<0.2	<0.2	<0.2	102	6.3	37.8
C103824	0.5	35.3	4.8	41.7	86.7	<0.2	<0.2	43.8	34.2	3.13	<0.2	<0.2	<0.2	54.0	8.0	35.8
C103825	0.3	34.8	3.9	31.7	32.2	<0.2	<0.2	24.0	33.7	2.82	<0.2	<0.2	<0.2	54.7	9.7	35.0
C103833	0.2	3.2	1.1	8.3	0.6	<0.2	<0.2	2.8	11.7	2.39	<0.2	<0.2	<0.2	7.5	5.9	35.4
C103835	0.3	39.5	9.5	37.4	310	<0.2	<0.2	23.8	16.0	8.79	<0.2	<0.2	<0.2	226	5.0	34.1
C103836	0.6	154	8.9	77.2	938	<0.2	<0.2	5.5	16.9	19.5	<0.2	<0.2	<0.2	230	1.6	5.1
C103837	0.3	168	5.6	128	312	<0.2	<0.2	3.0	21.0	16.6	<0.2	<0.2	<0.2	214	2.3	9.8
C103838	<0.1	54.4	4.3	62.4	335	<0.2	<0.2	14.1	28.5	11.5	<0.2	<0.2	<0.2	552	3.5	16.3
C103839	0.2	57.4	3.1	56.3	689	<0.2	<0.2	44.9	25.0	13.0	<0.2	<0.2	<0.2	310	3.7	10.7
C103842	0.3	30.1	3.1	20.3	487	<0.2	<0.2	74.4	13.3	2.33	<0.2	<0.2	<0.2	31.1	2.9	14.0
C103845	0.1	14.2	2.1	12.9	108	<0.2	<0.2	46.0	14.9	2.93	0.2	<0.2	<0.2	42.8	2.9	6.4
C103847	0.8	23.6	4.0	21.1	239	<0.2	<0.2	147	25.2	28.3	<0.2	<0.2	<0.2	608	5.1	12.7
C103848	0.2	26.4	3.1	22.1	177	<0.2	<0.2	50.9	25.5	37.8	<0.2	<0.2	<0.2	572	4.6	19.8
C106953	0.1	30.8	2.5	29.6	7.8	<0.2	0.2	33.8	23.9	38.8	<0.2	<0.2	<0.2	492	8.4	35.2
C106954	0.2	27.6	2.4	25.9	66.8	<0.2	<0.2	28.8	22.7	29.1	<0.2	<0.2	<0.2	366	12.6	40.7
C106956	1.0	51.0	3.0	36.2	26.4	<0.2	<0.2	48.1	20.3	15.5	<0.2	<0.2	<0.2	196	9.5	36.2
C106959	2.2	145	13.9	149	2100	<0.2	0.3	618	32.8	26.0	<0.2	1.1	<0.2	548	7.3	31.4
C106954 R	0.2	25.8	2.5	25.2	67.1	<0.2	<0.2	30.3	23.6	28.8	<0.2	<0.2	<0.2	361	12.3	41.4

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ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.2	12.0	0.4	38.2	48.2	<0.2	0.2	11.6	49.2	22.5	0.5	<0.2	<0.2	31.6	96.3	204
C106960	0.1	51.9	5.6	56.6	46.5	<0.2	<0.2	94.5	29.7	15.4	<0.2	<0.2	<0.2	297	7.2	34.3
C106961	0.2	70.4	4.8	98.0	384	<0.2	<0.2	62.5	29.9	12.3	<0.2	<0.2	<0.2	263	9.4	33.0
C106962	<0.1	23.5	2.9	87.7	90.4	<0.2	0.2	14.3	24.0	10.8	<0.2	<0.2	<0.2	216	5.2	31.5
C106963	<0.1	3.8	1.1	27.6	215	<0.2	<0.2	1.9	23.1	4.45	<0.2	<0.2	<0.2	56.1	8.0	29.1
C106964	0.1	2.7	0.9	14.7	4.1	<0.2	<0.2	2.6	18.1	4.67	<0.2	<0.2	<0.2	81.1	5.3	34.6
C106971	<0.1	16.5	1.2	14.8	224	<0.2	<0.2	21.7	8.6	3.27	<0.2	<0.2	<0.2	58.8	2.8	10.1
C106972	<0.1	23.0	0.9	6.3	148	<0.2	<0.2	1.5	2.5	5.97	<0.2	<0.2	<0.2	200	2.4	3.8
C106973	0.1	28.0	1.4	35.9	162	<0.2	<0.2	8.4	11.3	2.04	0.7	<0.2	<0.2	19.5	2.7	8.8
C106975	0.6	48.2	2.6	63.2	684	<0.2	<0.2	44.9	30.3	17.1	<0.2	<0.2	<0.2	242	5.5	8.7
C106976	0.2	162	5.4	83.8	120	<0.2	<0.2	32.6	129	14.0	<0.2	<0.2	<0.2	295	9.5	18.7
C106978	0.2	57.5	1.9	56.9	569	<0.2	<0.2	17.8	59.5	6.41	<0.2	<0.2	<0.2	159	7.3	16.6
C106979	0.3	55.4	4.7	58.4	389	<0.2	<0.2	83.6	30.2	14.5	<0.2	<0.2	<0.2	267	5.1	15.7
C106981	0.1	79.7	1.6	25.6	32.1	<0.2	<0.2	16.5	20.6	3.24	<0.2	<0.2	<0.2	95.5	7.1	28.4
C106983	0.4	37.1	4.2	29.9	43.7	<0.2	<0.2	81.4	24.6	12.6	<0.2	1.1	<0.2	161	12.8	34.5
C106984	0.1	26.0	4.8	25.5	106	<0.2	0.2	254	15.6	47.0	0.2	0.8	<0.2	920	5.2	10.5
C106985	<0.1	58.6	1.3	60.6	341	<0.2	<0.2	17.1	40.6	34.0	0.9	0.7	<0.2	632	5.4	9.7
C106986	0.2	35.1	1.6	29.6	75.6	<0.2	<0.2	26.5	30.3	9.18	<0.2	<0.2	<0.2	128	12.2	34.9
C106988	<0.1	6.9	1.4	41.0	22.8	<0.2	<0.2	5.9	14.5	15.5	<0.2	<0.2	<0.2	237	7.2	27.3
C106989	<0.1	7.9	1.8	54.8	20.3	<0.2	<0.2	18.4	15.5	8.44	<0.2	<0.2	<0.2	149	6.1	26.3
CG515/LS4	0.2	12.1	0.6	39.6	49.8	<0.2	<0.2	10.6	50.6	23.7	0.2	<0.2	<0.2	33.7	95.8	212
C106990	<0.1	6.9	4.1	105	15.9	<0.2	<0.2	6.3	22.0	8.32	<0.2	1.9	<0.2	105	6.0	29.0
C106989 R	<0.1	8.0	1.8	54.3	20.2	<0.2	<0.2	18.2	14.9	8.38	<0.2	<0.2	<0.2	149	6.5	26.1
CG515/LS4/BL2A	0.2	11.2	0.7	40.7	50.5	<0.2	0.3	10.7	48.6	21.9	0.3	<0.2	<0.2	35.8	104	207
C103603	<0.1	13.2	6.0	9.8	3210	<0.2	0.5	34.7	9.8	210	<0.2	6.0	<0.2	4220	3.9	26.0
C103606	<0.1	13.4	19.9	16.0	68.8	<0.2	1.0	2230	4.7	144	<0.2	13.0	0.7	2520	<0.1	5.6
C103608	0.5	13.1	3.4	11.6	210	<0.2	0.3	155	10.3	72.8	<0.2	0.3	<0.2	631	4.3	43.4
C103611	1.6	9.1	2.0	6.3	8.9	<0.2	0.2	2.1	11.4	108	2.3	<0.2	<0.2	769	5.0	48.2
C103826	<0.1	21.2	3.2	23.3	94.8	<0.2	0.2	26.8	29.6	44.8	<0.2	<0.2	<0.2	654	7.8	33.6
C103849	0.6	38.7	4.3	36.5	150	<0.2	<0.2	58.0	38.2	84.3	<0.2	<0.2	<0.2	1630	9.9	43.3
C103850	<0.1	58.3	4.5	61.0	84.5	<0.2	0.2	34.0	32.1	102	<0.2	<0.2	<0.2	1940	8.9	37.9
C106951	<0.1	50.2	4.7	49.8	34.7	<0.2	0.2	43.6	29.0	104	<0.2	<0.2	<0.2	1680	19.0	41.0
C106952	<0.1	46.4	3.1	42.3	50.2	<0.2	0.5	38.2	34.8	172	<0.2	<0.2	<0.2	3230	9.4	38.2
C106957	1.1	53.8	4.1	45.9	130	<0.2	<0.2	61.4	32.5	42.0	<0.2	<0.2	<0.2	904	19.8	47.1
C106958	2.1	95.4	8.8	107	181	<0.2	0.3	119	42.1	56.4	<0.2	<0.2	<0.2	930	12.8	52.4
C103614	<0.1	29.0	5.4	26.1	474	<0.2	<0.2	69.2	44.7	119	<0.2	<0.2	<0.2	2600	21.3	50.2
C103604	<0.1	37.9	12.0	25.2	120	<0.2	1.6	1140	17.0	710	<0.2	6.1	<0.2	14200	<0.1	22.3
C103604 R	<0.1	37.2	11.6	24.7	118	<0.2	1.5	1120	17.9	700	<0.2	6.4	<0.2	13900	<0.1	22.9
CG515/LS4/BL3	0.2	12.1	0.5	41.0	51.6	<0.2	<0.2	13.2	49.2	23.7	0.2	<0.2	<0.2	36.8	106	208
C103792	<0.1	604	15.2	290	310	<0.2	6.0	453	209	3000	<0.2	<0.2	<0.2	68700	<0.1	26.2

SRC Geoanalytic aboratories

Archer, Cathro & Associates (1981) Limited 125 - 15 Innovation Blvd., Saskatoon, Saskatchewan, S7N 2X8

Attention: Tel: (306) 933-8118 Fax: (306) 933-5656 Email: geochem@src.sk.ca

Report No: 06-994

PO #/Project: Lumina

Date: August 24, 2006

Samples: 81

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
C103792 R	<0.1	619	15.1	300	315	<0.2	6.1	471	216	3020	<0.2	<0.2	<0.2	68100	<0.1	26.7

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

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Attention:
PO #/Project: Lumina
Samples: 62

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	0.2	17.2	2280	2.2	4.91	1.0	151	19	121	4	3.1	2.5	2.6	7.46	20	6.1	4.3
C103777	1.1	10.9	264	3.0	10.9	0.3	308	153	79	77	4.5	3.3	3.3	6.81	15	8.9	1.1
C103778	0.2	13.5	150	1.4	7.36	0.6	53	35	94	122	2.1	1.9	0.9	4.10	9	3.0	2.2
C103782	<0.2	0.01	20	<0.2	0.42	0.3	<1	1	5	1	<0.2	<0.2	<0.2	0.01	1	<0.5	<0.5
C103785	0.3	12.9	171	1.2	9.70	0.7	55	31	61	46	2.1	2.0	1.2	5.11	14	2.8	2.0
C103786	<0.2	14.5	460	2.7	7.13	0.7	109	55	64	52	2.9	2.4	2.3	5.74	22	5.0	2.4
C103788	<0.2	15.4	449	2.6	5.48	0.9	106	11	69	33	2.2	2.4	2.1	10.0	21	3.9	3.1
C103789	<0.2	13.7	457	2.5	5.94	0.7	93	11	64	3	2.5	2.3	2.0	8.77	18	4.1	2.5
C103790	<0.2	13.4	438	2.5	6.65	0.7	97	12	60	2	2.6	2.3	2.0	8.55	18	4.2	2.5
C103791	<0.2	14.5	194	1.3	6.90	0.8	47	8	72	60	1.5	2.1	1.2	11.8	19	1.8	3.2
C103793	0.3	14.7	379	4.4	3.12	0.7	78	24	112	94	2.0	1.5	0.9	2.21	18	3.2	1.6
C103802	0.4	13.5	343	3.9	2.91	0.7	84	26	108	130	2.1	1.6	0.9	2.06	17	3.4	1.8
C103803	0.2	17.5	483	5.1	0.75	0.7	112	10	112	23	1.8	1.3	1.1	1.09	23	3.5	2.1
C103804	0.3	10.4	266	2.5	10.3	0.6	54	17	68	10	2.6	2.2	0.9	5.05	13	3.3	0.9
C103805	0.3	11.5	314	2.9	9.06	0.5	60	15	77	98	2.8	2.2	1.0	4.58	16	3.8	1.2
C103806	0.3	11.0	306	2.9	9.24	0.7	69	16	76	28	2.9	2.3	1.0	4.40	16	3.5	1.4
C103807	0.3	4.51	156	2.4	2.65	1.0	9	42	57	8	0.9	0.6	0.2	3.07	12	<0.5	1.4
C103808	0.9	12.6	289	2.2	9.79	0.6	123	35	91	127	2.4	2.3	1.2	4.70	17	3.5	1.9
C103809	0.5	3.19	227	0.7	0.40	3.1	2	19	58	18	0.2	0.2	<0.2	3.28	6	<0.5	1.7
C103810	0.2	9.36	116	0.8	6.67	0.9	45	26	82	35	1.7	1.6	0.7	3.76	6	2.4	1.6
CG515/LS4	0.2	16.9	2190	1.9	4.79	1.2	152	20	112	4	3.1	2.4	2.5	7.09	19	5.9	4.5
C103815	<0.2	13.7	185	1.1	6.35	0.9	98	5	61	1	1.8	2.2	1.9	9.25	17	3.2	2.8
C103816	0.2	10.3	259	3.7	0.47	2.0	7	6	84	16	0.6	0.4	<0.2	1.14	15	0.5	2.3
C103817	0.8	12.1	271	3.0	8.63	0.9	64	125	95	228	2.4	2.2	1.1	7.18	13	2.9	1.9
C103818	0.9	13.0	266	3.0	8.33	0.7	143	200	87	300	3.2	2.8	2.0	9.73	13	5.0	2.8
C103819	0.5	17.9	470	5.0	2.60	0.9	130	15	101	151	2.1	1.6	1.2	2.22	24	3.8	2.2
C103821	0.3	12.9	432	3.2	8.86	0.7	105	24	51	12	3.0	2.6	1.7	4.99	19	5.0	1.1
C103822	0.3	13.6	464	3.5	8.32	0.7	104	14	50	10	3.0	2.4	1.7	4.77	20	4.8	1.5
C103823	0.3	13.3	428	3.1	8.25	0.8	104	39	49	22	2.9	2.4	1.7	5.10	20	4.7	1.4
C103827	0.2	15.1	464	3.6	7.77	0.8	99	25	44	27	3.0	2.4	1.5	4.78	21	4.7	1.6
C103828	0.8	12.1	355	2.8	11.1	0.6	97	39	49	18	3.5	2.8	1.7	6.37	16	4.7	1.2
C103829	1.3	13.1	374	2.5	10.2	0.8	144	24	54	8	3.8	3.0	2.5	6.85	18	6.3	1.8
C103830	0.2	14.1	436	2.4	6.91	0.8	97	10	57	1	2.6	2.4	2.0	7.83	19	4.3	2.3
C103831	<0.2	15.2	479	2.7	5.18	0.8	109	7	66	1	2.5	2.1	2.2	6.72	20	4.6	2.4
C103832	<0.2	14.4	445	2.5	5.53	0.8	94	10	67	2	2.4	2.2	1.9	7.50	18	4.1	2.4
C103834	0.2	13.0	391	2.4	6.87	1.6	98	14	57	1	2.8	2.6	2.1	8.97	18	4.8	2.2
C103840	1.8	13.4	300	3.5	1.38	0.8	136	59	159	2180	1.8	1.5	0.8	2.88	19	3.1	2.7
C103841	0.5	11.2	279	3.2	0.22	0.6	76	23	92	300	1.2	0.9	0.6	1.67	15	2.0	2.2
C103843	<0.2	8.74	217	2.8	0.12	1.6	9	15	89	30	0.4	0.2	<0.2	1.00	12	<0.5	1.9
C103832 R	<0.2	15.0	460	2.5	5.72	0.8	99	10	65	2	2.5	2.2	1.9	7.55	19	4.2	2.5

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 62

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.5	2060	1.8	4.65	1.0	164	19	112	4	3.3	2.6	2.8	7.08	20	6.3	3.9
C103844	0.3	16.4	384	3.8	0.24	0.8	188	11	130	18	2.0	1.4	1.2	1.25	23	4.0	2.8
C103846	0.5	14.9	346	3.4	0.48	0.4	186	150	97	284	2.0	1.5	1.2	1.39	21	4.1	2.2
C106955	<0.2	0.17	10	0.3	32.1	<0.2	2	1	25	1	0.2	2.1	<0.2	0.14	2	<0.5	<0.5
C106965	<0.2	13.7	331	2.2	3.54	0.8	109	47	52	60	2.4	2.3	1.9	6.93	19	4.4	2.7
C106966	<0.2	15.5	403	2.6	3.70	0.8	112	36	85	10	2.7	2.3	2.2	5.20	22	4.9	2.6
C106967	<0.2	13.8	350	2.3	5.70	0.6	96	19	55	5	2.9	2.2	1.9	5.01	18	4.4	1.5
C106968	<0.2	14.1	373	2.4	5.43	0.9	107	8	56	1	2.9	2.3	2.2	5.94	18	4.5	2.0
C106969	0.4	13.8	225	3.4	5.47	0.8	86	69	65	383	2.7	2.4	0.9	3.98	16	3.3	3.0
C106970	0.2	12.5	270	3.0	2.21	0.6	106	63	104	207	2.1	1.6	0.9	1.84	15	3.3	2.0
C106974	0.5	18.2	467	4.4	0.25	0.9	158	37	110	366	1.9	1.5	1.2	1.21	26	3.7	2.6
C106977	<0.2	0.25	13	0.3	32.2	0.2	2	1	25	1	0.2	2.1	<0.2	0.13	1	<0.5	<0.5
C106980	0.6	13.2	319	2.7	5.71	0.7	103	60	80	101	3.5	2.6	1.6	4.18	20	5.2	1.8
C106982	0.3	13.5	324	2.7	5.71	0.7	118	41	100	62	2.5	2.1	1.5	3.58	20	4.7	1.5
C106987	<0.2	13.4	330	2.3	1.12	0.6	132	16	95	10	1.9	1.6	1.7	3.44	21	4.6	2.5
C106991	<0.2	11.9	335	2.0	5.38	0.6	96	10	56	2	2.9	2.4	2.0	4.73	16	4.5	1.8
C106992	<0.2	13.8	410	2.4	7.39	0.8	101	7	42	5	3.8	3.2	2.2	5.81	19	4.9	2.7
C106993	<0.2	13.6	386	2.4	6.24	0.6	106	16	69	2	3.3	2.8	2.1	5.25	18	4.9	2.1
C106994	0.2	15.3	435	2.8	5.01	0.8	117	20	61	3	3.5	2.8	2.1	5.32	21	5.1	2.4
C106995	<0.2	14.4	398	2.4	3.93	0.7	100	7	67	3	2.8	2.6	2.0	10.0	18	4.3	3.5
CG515/LS4	<0.2	17.3	2180	1.9	4.85	0.9	164	20	111	4	3.3	2.8	2.7	7.47	20	6.0	4.2
C106992 R	0.3	13.1	415	2.5	7.67	0.7	102	9	42	4	3.8	3.2	2.2	5.93	18	4.8	3.0

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Samples: 62

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.0	3.24	84	29	2.77	0.074	1	3.21	8	63	27	0.693	19	15	12	8.3	4
C103777	1.2	3.72	223	36	5.60	0.574	101	0.07	4	97	59	0.265	16	26	9	13.3	<1
C103778	0.7	2.02	30	11	4.13	0.298	61	4.07	2	22	29	0.184	5	5	8	4.4	<1
C103782	<0.4	0.026	<1	<1	1.97	0.006	1	<0.01	<1	<1	8	0.059	<1	<1	<1	<0.5	<1
C103785	0.6	2.71	32	11	5.13	0.366	23	3.03	2	22	26	0.198	3	5	10	4.4	<1
C103786	0.9	5.51	66	15	4.00	0.309	2	0.07	2	42	36	0.203	6	10	13	7.4	<1
C103788	0.8	5.86	67	16	3.49	0.232	1	0.11	3	39	31	0.231	3	9	13	6.8	<1
C103789	0.8	5.23	58	14	3.42	0.267	1	0.13	2	36	29	0.206	5	8	11	6.5	<1
C103790	0.8	5.21	61	14	3.78	0.296	1	0.10	2	37	28	0.216	4	9	11	6.7	<1
C103791	0.7	3.92	30	15	4.52	0.221	2	1.98	2	19	33	0.245	5	4	11	3.9	2
C103793	0.6	5.24	46	14	1.97	0.152	7	0.08	4	31	17	0.231	4	7	12	4.4	<1
C103802	0.6	4.77	48	14	1.84	0.144	9	0.07	4	32	20	0.234	4	8	11	4.4	<1
C103803	0.6	6.18	68	13	1.13	0.033	5	0.09	5	40	9	0.185	3	10	13	4.9	<1
C103804	0.7	3.65	33	11	5.17	0.530	13	0.06	3	21	16	0.190	4	5	8	4.9	<1
C103805	0.8	4.07	38	12	4.55	0.456	10	0.07	4	23	17	0.186	5	6	8	5.0	<1
C103806	0.7	3.94	44	12	4.77	0.458	11	0.07	3	25	19	0.170	5	6	8	4.9	<1
C103807	<0.4	2.98	3	4	0.345	0.368	6	0.01	4	3	21	0.131	2	<1	4	0.8	1
C103808	0.7	3.73	87	10	5.19	0.412	73	1.13	7	40	30	0.239	4	11	11	5.8	<1
C103809	<0.4	1.13	<1	3	0.052	0.277	72	2.32	2	<1	19	0.086	5	<1	3	<0.5	3
C103810	0.4	1.60	25	11	3.64	0.285	73	2.40	3	19	24	0.127	4	4	6	3.7	<1
CG515/LS4	1.0	3.05	85	28	2.76	0.072	1	3.10	8	62	23	0.655	16	14	12	8.2	<1
C103815	0.7	3.22	61	9	3.77	0.201	3	2.64	2	35	16	0.214	4	8	10	5.8	2
C103816	<0.4	4.01	3	8	0.124	0.058	18	0.03	3	2	8	0.143	2	<1	7	<0.5	2
C103817	0.7	3.96	44	24	4.40	0.473	66	0.08	5	22	63	0.240	5	6	10	4.2	<1
C103818	0.9	3.70	106	48	4.24	0.453	311	0.09	8	44	149	0.489	8	12	10	7.1	2
C103819	0.7	6.35	83	15	1.94	0.134	21	0.09	4	44	17	0.186	3	12	14	5.6	<1
C103821	0.9	4.58	62	20	4.48	0.465	25	0.27	5	41	20	0.191	4	10	12	7.3	<1
C103822	0.8	4.86	62	20	4.27	0.433	14	0.25	4	40	18	0.202	5	10	12	7.0	<1
C103823	0.8	4.70	61	20	4.26	0.408	38	0.30	5	40	34	0.201	4	10	12	6.9	<1
C103827	0.7	5.53	60	19	4.18	0.395	21	0.20	4	38	37	0.214	5	9	12	6.5	<1
C103828	0.9	4.20	55	15	5.43	0.560	71	0.33	5	37	33	0.182	4	9	10	7.1	<1
C103829	1.0	4.60	82	22	5.42	0.482	286	0.38	3	56	40	0.201	7	14	12	9.6	<1
C103830	0.9	5.48	58	18	3.84	0.325	5	0.06	2	38	31	0.207	4	9	12	6.8	<1
C103831	0.8	5.89	66	17	3.07	0.231	6	0.07	2	41	30	0.212	4	10	13	7.1	<1
C103832	0.8	5.80	58	16	3.40	0.248	10	0.06	2	36	28	0.200	3	9	12	6.3	<1
C103834	0.8	4.98	61	15	4.18	0.385	1	0.05	2	38	26	0.208	21	9	10	7.0	<1
C103840	0.6	4.30	106	34	1.81	0.086	90	0.08	3	35	27	0.149	14	10	8	4.0	<1
C103841	0.4	3.62	55	21	0.797	0.009	62	0.06	3	21	20	0.166	5	6	6	2.6	<1
C103843	<0.4	3.17	2	13	0.158	0.015	13	0.03	2	2	10	0.110	3	<1	5	<0.5	2
C103832 R	0.7	5.87	61	17	3.41	0.253	11	0.06	2	37	30	0.208	3	9	12	6.6	<1

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Attention:
PO #/Project: Lumina
Samples: 62

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	0.9	3.20	86	29	2.75	0.070	<1	3.26	9	62	24	0.667	20	16	11	9.3	4
C103844	0.6	5.79	128	14	0.962	0.003	23	0.09	6	54	13	0.200	4	15	8	6.2	<1
C103846	0.5	5.18	122	14	1.04	0.027	68	0.08	6	57	33	0.184	10	15	9	6.2	<1
C106955	<0.4	0.030	2	1	20.6	0.018	<1	<0.01	2	1	7	0.093	1	1	<1	<0.5	<1
C106965	0.7	5.04	64	19	2.78	0.200	3	0.06	6	42	35	0.217	8	10	10	6.7	2
C106966	0.7	5.89	64	20	2.63	0.210	3	0.07	5	43	32	0.219	8	10	12	7.0	2
C106967	0.6	5.42	57	16	3.22	0.326	4	0.07	6	37	35	0.191	6	9	10	6.0	<1
C106968	0.7	5.55	64	17	3.24	0.307	2	0.06	6	41	29	0.201	7	10	11	6.7	2
C106969	0.7	4.98	45	13	3.17	0.253	3	0.07	7	33	32	0.162	8	8	9	4.4	<1
C106970	0.4	4.37	61	31	1.67	0.111	4	0.07	3	37	24	0.178	3	9	8	4.8	<1
C106974	0.5	6.60	101	15	1.03	0.007	43	0.09	6	50	17	0.163	6	13	12	5.9	<1
C106977	<0.4	0.039	1	2	20.2	0.011	<1	<0.01	2	<1	9	0.078	<1	1	<1	0.6	<1
C106980	0.7	4.66	57	28	3.86	0.285	88	0.07	6	41	43	0.198	15	10	10	6.7	<1
C106982	0.6	4.87	64	22	3.33	0.289	50	0.34	7	46	25	0.199	6	11	11	6.9	<1
C106987	0.5	4.84	70	20	1.73	0.055	2	0.06	3	51	30	0.203	5	12	10	7.3	1
C106991	0.7	4.61	54	18	3.14	0.275	1	0.08	3	38	29	0.190	4	9	8	6.3	<1
C106992	0.9	5.55	58	19	3.93	0.375	1	0.06	4	39	33	0.185	4	10	10	6.5	<1
C106993	0.7	5.33	61	19	3.51	0.326	3	0.15	5	41	37	0.200	4	10	10	6.6	<1
C106994	0.9	6.05	67	21	3.01	0.263	19	0.15	5	45	35	0.202	4	11	11	7.3	1
C106995	0.8	5.68	59	19	2.49	0.207	1	0.08	5	40	30	0.220	5	9	11	6.6	4
CG515/LS4	1.1	3.10	84	27	2.71	0.073	1	3.15	8	65	26	0.685	19	15	11	9.4	5
C106992 R	1.0	5.45	57	17	3.90	0.382	<1	0.06	6	39	32	0.188	4	9	10	6.6	<1

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Attention:
PO #/Project: Lumina
Samples: 62

Report No: 06-994
Date: August 24, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1160	1	0.3	12	1.04	3	126	1	21	1.8	93	159
C103777	44	<1	1.8	11	0.238	120	75	1	24	2.2	33	62
C103778	34	<1	<0.3	12	0.201	24	34	1	14	1.6	25	81
C103782	11	4	<0.3	<1	0.004	<2	1	1	<1	<0.1	36	28
C103785	32	<1	0.3	11	0.174	24	69	1	13	1.7	27	160
C103786	24	<1	0.8	13	0.249	69	88	<1	19	2.1	24	93
C103788	18	<1	0.4	13	0.315	11	93	2	16	1.9	23	85
C103789	20	<1	0.4	12	0.242	10	78	1	17	1.8	22	74
C103790	22	<1	0.4	12	0.260	11	79	3	17	1.9	26	70
C103791	22	<1	0.4	12	0.262	8	104	4	12	1.7	27	75
C103793	12	<1	<0.3	10	0.417	20	76	<1	13	1.5	17	75
C103802	12	<1	<0.3	10	0.401	27	68	<1	13	1.5	18	72
C103803	7	<1	<0.3	13	0.541	16	98	<1	13	1.5	10	88
C103804	32	<1	0.5	9	0.252	35	64	<1	17	1.6	31	60
C103805	32	<1	0.6	11	0.295	47	70	<1	18	1.7	28	66
C103806	31	<1	0.7	10	0.240	65	68	1	18	1.8	30	68
C103807	10	14	<0.3	2	0.176	22	72	<1	4	0.5	27	52
C103808	32	<1	0.3	13	0.342	25	183	<1	16	2.0	29	116
C103809	8	41	<0.3	<1	0.081	29	30	<1	1	<0.1	28	44
C103810	25	9	0.3	8	0.156	28	31	<1	10	1.2	29	88
CG515/LS4	1100	1	0.3	12	0.977	4	120	<1	21	1.8	92	146
C103815	23	3	0.4	12	0.235	16	93	4	14	1.9	27	81
C103816	4	23	<0.3	3	0.274	10	72	<1	3	0.5	16	71
C103817	28	4	0.5	9	0.298	42	68	<1	15	1.6	35	76
C103818	31	3	1.5	11	0.267	130	100	<1	20	2.1	45	79
C103819	12	2	<0.3	11	0.439	18	101	<1	14	1.7	21	87
C103821	33	2	0.3	12	0.309	33	107	<1	18	2.0	31	66
C103822	30	2	0.3	12	0.290	37	91	<1	18	2.0	32	65
C103823	31	3	0.5	12	0.304	46	105	<1	18	2.0	31	67
C103827	29	1	0.3	14	0.363	51	90	<1	18	2.0	29	75
C103828	37	1	0.8	11	0.289	50	82	<1	19	2.1	35	58
C103829	33	<1	0.9	12	0.212	56	115	<1	20	2.3	36	67
C103830	20	<1	0.3	11	0.253	14	83	2	17	2.0	27	76
C103831	16	2	<0.3	13	0.287	13	87	1	16	1.9	23	79
C103832	18	1	<0.3	12	0.256	14	81	<1	15	1.8	24	77
C103834	14	2	0.6	11	0.245	5	76	1	18	2.0	54	66
C103840	10	1	<0.3	10	0.333	17	108	<1	14	1.9	17	95
C103841	5	1	<0.3	8	0.314	20	71	<1	9	1.3	10	70
C103843	2	15	<0.3	4	0.227	10	57	<1	2	0.4	9	55
C103832 R	18	2	<0.3	13	0.273	13	85	<1	16	1.8	25	79

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1160	<1	0.6	13	0.987	<2	122	<1	20	1.8	90	138
C103844	6	<1	<0.3	12	0.555	23	87	<1	12	1.7	7	99
C103846	8	<1	<0.3	11	0.521	30	90	<1	12	1.7	9	90
C106955	123	1	0.7	<1	<0.001	<2	1	1	3	<0.1	34	<1
C106965	12	<1	0.5	14	0.342	25	76	4	15	1.9	29	74
C106966	15	1	0.4	15	0.356	51	81	5	15	1.9	24	77
C106967	22	<1	0.5	14	0.328	20	70	3	15	1.8	21	74
C106968	19	<1	0.4	14	0.362	7	75	4	16	1.9	26	73
C106969	22	<1	0.4	11	0.372	38	53	<1	17	2.0	24	120
C106970	13	<1	<0.3	10	0.395	19	55	<1	12	1.4	12	76
C106974	7	<1	<0.3	13	0.513	38	105	<1	12	1.7	7	99
C106977	131	2	0.6	<1	<0.001	<2	2	1	3	<0.1	36	5
C106980	20	<1	0.9	13	0.317	91	91	1	18	2.1	24	73
C106982	24	<1	0.6	14	0.366	72	100	3	14	1.7	21	71
C106987	9	<1	<0.3	14	0.243	30	86	3	11	1.6	15	79
C106991	21	<1	0.5	13	0.254	21	63	4	17	1.9	22	78
C106992	28	1	0.6	13	0.281	17	68	2	23	2.8	24	108
C106993	26	<1	0.5	14	0.274	22	70	3	19	2.2	20	92
C106994	21	<1	0.4	14	0.317	21	76	3	21	2.4	22	102
C106995	17	<1	0.8	14	0.349	12	76	5	17	2.1	22	86
CG515/LS4	1130	<1	0.4	12	0.997	<2	122	<1	21	1.9	88	147
C106992 R	27	1	0.8	13	0.289	18	68	3	23	2.8	24	111

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.2	12.6	0.6	40.5	50.2	<0.2	<0.2	11.7	49.9	23.3	<0.2	<0.2	<0.2	32.4	100	204
C103777	1.0	90.6	11.5	144	76.5	<0.2	<0.2	93.6	50.3	12.6	1.1	<0.2	<0.2	118	10.3	32.8
C103778	0.4	18.4	2.0	30.7	122	<0.2	<0.2	56.6	24.3	1.62	<0.2	<0.2	<0.2	23.1	7.4	24.4
C103782	<0.1	3.7	1.7	0.3	1.5	<0.2	<0.2	<0.1	7.1	0.26	19.0	1.0	<0.2	0.9	1.2	32.4
C103785	0.3	13.5	1.9	29.3	43.2	<0.2	<0.2	20.3	18.8	2.00	1.3	<0.2	<0.2	22.4	11.9	26.2
C103786	0.2	4.3	1.0	47.4	49.9	<0.2	<0.2	1.1	15.2	3.93	<0.2	<0.2	<0.2	67.8	7.6	23.8
C103788	0.1	2.1	0.7	6.4	31.7	<0.2	<0.2	<0.1	10.7	1.37	<0.2	<0.2	<0.2	9.5	5.5	21.1
C103789	0.2	1.8	0.9	6.4	3.9	<0.2	<0.2	0.3	10.2	2.04	<0.2	<0.2	<0.2	10.3	5.2	21.3
C103790	0.2	1.9	0.7	7.6	2.1	<0.2	<0.2	0.4	11.4	1.05	<0.2	<0.2	<0.2	9.5	6.2	22.0
C103791	0.1	5.1	1.0	7.1	58.2	<0.2	<0.2	0.3	20.0	0.57	<0.2	<0.2	<0.2	6.9	9.9	24.7
C103793	0.1	36.9	1.3	20.8	83.3	<0.2	<0.2	5.8	10.8	2.31	<0.2	<0.2	<0.2	18.9	3.4	16.9
C103802	0.1	55.3	1.3	24.5	127	<0.2	<0.2	8.9	12.2	2.66	<0.2	<0.2	<0.2	26.7	4.3	17.4
C103803	<0.1	11.8	0.7	8.8	20.6	<0.2	<0.2	4.5	3.3	1.68	<0.2	<0.2	<0.2	15.5	3.8	8.5
C103804	0.6	22.2	2.0	15.1	11.5	<0.2	<0.2	11.1	12.6	1.73	1.4	<0.2	<0.2	33.8	7.4	29.5
C103805	0.4	12.9	1.4	13.9	96.9	<0.2	<0.2	7.5	11.3	2.84	1.3	<0.2	<0.2	46.7	6.4	26.9
C103806	0.5	13.4	1.4	13.5	29.1	<0.2	<0.2	9.5	12.0	3.05	0.8	<0.2	<0.2	62.1	6.9	28.0
C103807	0.5	39.5	1.4	41.0	8.4	<0.2	<0.2	5.0	21.9	1.44	0.6	<0.2	<0.2	20.0	8.1	24.6
C103808	0.7	27.4	3.1	32.0	120	<0.2	<0.2	68.2	24.5	1.22	1.4	<0.2	<0.2	22.5	12.6	25.9
C103809	0.5	18.2	2.9	22.8	18.3	<0.2	<0.2	71.0	22.9	2.69	0.4	<0.2	<0.2	28.9	10.3	27.4
C103810	0.4	17.5	2.7	26.7	33.9	<0.2	<0.2	73.9	24.2	1.84	<0.2	<0.2	<0.2	27.8	9.7	27.9
CG515/LS4	0.1	13.4	0.6	40.8	49.6	<0.2	<0.2	12.3	50.1	22.5	<0.2	<0.2	<0.2	33.2	100	205
C103815	0.1	4.9	0.7	4.8	0.6	<0.2	<0.2	1.4	10.7	1.48	<0.2	<0.2	<0.2	14.8	8.3	23.6
C103816	0.1	9.9	1.2	6.8	16.5	<0.2	<0.2	17.9	5.8	0.76	<0.2	<0.2	<0.2	7.6	2.3	13.6
C103817	0.9	121	8.6	115	222	<0.2	<0.2	61.6	51.1	2.37	1.4	<0.2	<0.2	40.4	10.4	33.1
C103818	0.7	171	7.3	194	294	<0.2	0.2	307	142	4.05	<0.2	<0.2	<0.2	128	15.5	41.0
C103819	0.4	14.5	2.2	16.2	135	<0.2	<0.2	19.6	10.0	1.83	<0.2	<0.2	<0.2	17.5	3.7	17.0
C103821	0.5	12.1	2.0	21.2	10.4	<0.2	<0.2	22.8	14.0	2.08	0.5	<0.2	<0.2	30.3	11.6	28.3
C103822	0.5	9.3	1.7	14.8	8.5	<0.2	<0.2	12.5	13.9	1.76	<0.2	<0.2	<0.2	34.9	8.3	27.5
C103823	0.6	36.7	4.7	36.8	22.7	<0.2	<0.2	36.8	26.7	2.88	<0.2	<0.2	<0.2	44.8	14.1	27.5
C103827	0.4	20.5	2.2	20.8	26.4	<0.2	<0.2	17.9	26.8	2.42	<0.2	<0.2	<0.2	48.3	5.2	25.1
C103828	0.7	15.8	2.7	37.6	18.1	<0.2	<0.2	63.3	23.9	3.25	1.0	<0.2	<0.2	47.0	10.5	31.9
C103829	1.1	5.7	5.1	21.9	7.5	<0.2	0.2	275	23.5	4.39	0.8	<0.2	<0.2	53.6	18.8	32.7
C103830	0.3	2.0	3.2	7.8	0.9	<0.2	0.2	3.2	11.6	1.01	<0.2	<0.2	0.2	12.6	5.9	23.3
C103831	0.1	1.7	1.8	5.9	0.6	<0.2	<0.2	4.9	8.2	0.50	<0.2	<0.2	<0.2	10.1	4.8	20.3
C103832	0.2	1.9	1.1	7.5	1.3	<0.2	<0.2	8.8	9.0	0.97	<0.2	<0.2	<0.2	10.3	4.2	21.4
C103834	0.4	2.2	1.1	9.5	0.4	<0.2	<0.2	0.1	9.3	19.0	<0.2	<0.2	<0.2	4.6	4.8	53.1
C103840	1.1	92.5	10.8	56.0	2100	<0.2	<0.2	84.1	22.9	5.77	<0.2	<0.2	<0.2	16.4	6.4	14.1
C103841	0.2	26.2	1.8	20.1	291	<0.2	<0.2	54.5	14.0	1.89	<0.2	<0.2	<0.2	17.8	2.2	6.4
C103843	<0.1	20.9	1.3	19.0	31.3	<0.2	<0.2	12.6	11.1	1.36	<0.2	<0.2	<0.2	11.8	2.7	8.2
C103832 R	0.2	1.8	0.6	7.6	1.3	<0.2	<0.2	8.9	9.2	1.05	<0.2	<0.2	<0.2	10.3	4.0	20.3

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 62

Report No: 06-994
Date: August 24, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.2	11.6	0.4	41.0	49.2	<0.2	<0.2	11.1	49.9	22.6	<0.2	<0.2	<0.2	33.0	97.4	211
C103844	<0.1	12.3	1.4	10.9	15.3	<0.2	<0.2	20.6	8.9	1.61	<0.2	<0.2	<0.2	23.0	3.4	5.5
C103846	0.3	188	3.5	146	263	<0.2	<0.2	67.2	29.2	4.63	<0.2	<0.2	<0.2	29.5	3.9	9.8
C106955	<0.1	4.4	1.9	0.6	1.6	<0.2	<0.2	<0.1	7.7	0.26	21.0	1.1	<0.2	1.2	1.2	33.8
C106965	0.1	3.0	0.7	46.4	59.0	<0.2	<0.2	1.7	19.8	2.83	<0.2	<0.2	<0.2	24.2	7.1	27.3
C106966	0.1	2.5	1.1	34.1	8.5	<0.2	<0.2	1.9	14.8	4.19	<0.2	0.4	<0.2	49.2	5.3	24.5
C106967	0.3	1.6	0.7	17.9	4.1	<0.2	<0.2	3.2	15.7	1.86	<0.2	<0.2	<0.2	19.4	6.0	20.8
C106968	0.2	1.2	0.7	7.9	0.3	<0.2	<0.2	0.7	9.0	4.21	<0.2	<0.2	<0.2	8.1	4.6	23.9
C106969	0.4	103	9.8	69.5	367	<0.2	<0.2	2.9	25.2	3.93	<0.2	<0.2	<0.2	37.0	3.9	23.8
C106970	0.1	92.2	1.7	63.8	192	<0.2	<0.2	3.5	18.2	1.01	<0.2	<0.2	<0.2	19.0	2.9	15.2
C106974	0.3	50.4	2.2	36.4	323	<0.2	<0.2	40.2	11.1	3.44	<0.2	<0.2	<0.2	38.8	3.7	5.2
C106977	<0.1	3.8	2.1	0.5	2.3	<0.2	<0.2	<0.1	6.5	0.27	21.3	1.9	<0.2	0.7	1.2	36.3
C106980	0.5	77.9	3.7	58.3	94.9	<0.2	<0.2	76.2	37.9	10.1	<0.2	<0.2	<0.2	89.5	9.3	26.1
C106982	0.3	53.5	3.0	28.1	56.7	<0.2	<0.2	42.7	20.3	3.09	<0.2	<0.2	<0.2	69.0	7.5	21.2
C106987	<0.1	0.9	0.7	13.2	8.8	<0.2	<0.2	1.5	15.4	1.45	<0.2	<0.2	<0.2	28.3	7.4	15.8
C106991	0.2	2.0	0.8	8.4	1.8	<0.2	<0.2	0.8	12.5	2.43	<0.2	<0.2	<0.2	20.8	5.5	23.8
C106992	0.4	1.7	1.0	7.1	6.0	<0.2	<0.2	0.2	11.8	1.45	<0.2	<0.2	<0.2	16.6	6.8	24.2
C106993	0.3	2.6	1.0	16.1	1.6	<0.2	<0.2	2.3	16.5	1.18	<0.2	<0.2	<0.2	20.4	6.0	23.5
C106994	0.2	2.0	1.1	17.9	2.9	<0.2	<0.2	16.4	13.8	1.45	<0.2	<0.2	<0.2	20.8	6.9	20.6
C106995	0.1	1.4	0.5	6.2	2.0	<0.2	<0.2	<0.1	9.3	0.95	<0.2	<0.2	<0.2	11.6	5.9	18.2
CG515/LS4	0.3	13.3	0.6	41.0	53.0	<0.2	<0.2	11.4	53.6	25.0	<0.2	<0.2	<0.2	35.5	103	217
C106992 R	0.3	1.9	1.0	7.4	5.7	<0.2	<0.2	<0.1	12.0	1.49	<0.2	<0.2	<0.2	16.9	6.6	24.5

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Geoanalytical Group: 2006-861

SRC Geoanalytical Laboratories

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July 17, 2006

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Reviewed by: Chelsey Schneider

Chelsey Schneider

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 9

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Attention:
PO #/Project: Lumina
Samples: 9

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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Report No: 06-861

PO #/Project: Lumina

Date: July 17, 2006

Samples: 9

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.4	2110	1.9	4.69	0.8	148	18	115	3	3.3	2.5	2.4	7.37	20	6.2	3.2
C103702	0.5	13.7	245	3.4	1.40	0.5	77	30	80	385	2.3	1.7	0.6	1.88	17	2.7	2.5
C103706	<0.2	12.0	173	1.8	12.7	0.3	114	112	52	71	1.9	3.1	1.6	12.2	14	4.2	<0.5
C103721	<0.2	0.19	11	<0.2	32.2	<0.2	1	1	30	1	0.3	1.7	<0.2	0.13	<1	<0.5	<0.5
C103723	<0.2	13.8	348	2.4	4.70	0.4	97	46	57	10	1.8	1.7	1.5	4.60	18	4.1	<0.5
C103724	<0.2	12.9	328	2.2	8.32	0.4	80	72	51	49	1.6	2.0	1.4	6.28	17	3.8	<0.5
C103725	<0.2	12.6	340	2.3	8.30	0.4	83	28	50	6	2.1	2.3	1.7	6.14	17	4.3	<0.5
C103726	<0.2	13.1	350	2.3	6.58	0.6	87	38	51	7	2.2	2.1	1.6	5.93	18	4.2	<0.5
C103726 R	<0.2	13.2	347	2.4	6.60	0.5	88	37	50	7	2.2	2.2	1.6	5.96	17	4.3	<0.5

SRC Geoanalytic aboratories

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Report No: 06-861

PO #/Project: Lumina

Date: July 17, 2006

Samples: 9

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.1	3.21	82	28	2.80	0.074	1	3.21	8	63	21	0.671	15	15	11	8.5	5
C103702	0.7	4.83	46	14	1.31	0.062	6	0.07	8	26	17	0.149	8	7	8	3.1	<1
C103706	1.0	2.85	90	55	9.13	0.719	8	0.05	4	35	78	0.258	7	10	9	5.9	4
C103721	<0.4	0.031	2	1	20.8	0.018	<1	<0.01	4	<1	5	0.080	1	1	<1	0.8	<1
C103723	0.7	5.28	59	15	2.79	0.275	11	0.08	6	37	32	0.189	3	9	11	5.9	2
C103724	0.7	4.99	50	15	4.32	0.493	12	0.11	5	31	36	0.181	5	8	10	5.4	1
C103725	0.8	4.88	51	15	4.33	0.507	6	0.15	4	33	31	0.179	6	8	10	5.9	1
C103726	0.8	5.07	55	17	3.73	0.397	12	0.06	6	34	36	0.193	7	8	10	5.8	1
C103726 R	0.8	4.98	55	17	3.75	0.397	11	0.06	6	35	35	0.193	6	9	10	5.9	<1

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Archer, Catnro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 9

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1160	<1	<0.3	12	0.991	<2	120	2	20	1.7	84	159
C103702	9	<1	<0.3	11	0.381	63	60	3	16	2.0	11	142
C103706	37	4	<0.3	11	0.171	59	67	6	21	1.9	47	71
C103721	121	6	<0.3	<1	<0.001	<2	1	2	3	<0.1	14	1
C103723	18	<1	<0.3	13	0.350	29	74	5	13	1.5	13	71
C103724	26	<1	<0.3	12	0.300	38	74	5	15	1.6	13	70
C103725	27	<1	<0.3	12	0.264	69	72	5	17	1.8	14	69
C103726	21	<1	<0.3	12	0.328	51	74	4	16	1.7	16	69
C103726 R	21	<1	<0.3	12	0.330	49	73	4	16	1.8	15	66

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 9

Report No: 06-861
Date: July 17, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.1	13.3	0.6	37.4	48.4	0.3	<0.2	11.7	51.2	22.5	0.5	<0.2	0.3	35.2	96.6	203
C103702	0.2	55.9	6.0	28.0	380	<0.2	<0.2	5.4	13.3	7.82	<0.2	0.6	0.3	61.5	2.6	5.6
C103706	0.2	105	2.7	100	69.5	1.0	<0.2	6.0	72.0	1.82	<0.2	<0.2	<0.2	58.6	14.2	35.0
C103721	0.2	5.9	3.7	0.2	2.2	<0.2	<0.2	0.4	5.4	<0.02	0.5	0.2	1.5	<0.5	1.4	9.7
C103723	<0.1	6.3	0.5	43.7	9.7	<0.2	<0.2	10.7	15.7	1.84	<0.2	0.2	<0.2	28.0	6.0	8.4
C103724	0.1	22.3	1.4	69.7	45.3	<0.2	<0.2	10.3	19.5	2.10	<0.2	<0.2	0.2	36.7	7.8	10.5
C103725	0.1	3.6	0.8	26.2	5.6	<0.2	<0.2	5.5	16.9	6.12	<0.2	<0.2	0.2	67.3	7.3	8.9
C103726	0.1	3.9	0.5	33.8	6.1	<0.2	<0.2	10.5	20.2	5.08	<0.2	0.2	<0.2	47.9	6.8	11.7
C103726 R	0.1	4.1	0.6	33.6	6.0	<0.2	<0.2	10.1	20.1	4.91	<0.2	<0.2	<0.2	48.2	6.9	10.4

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

SRC Geoanalytic aboratories
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Attention:
PO #/Project: Lumina
Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4/BL4A	<0.2	17.6	2130	1.9	4.77	0.8	146	18	116	3	3.2	2.4	2.3	7.42	21	5.6	3.2
C103701	<0.2	11.7	203	3.0	5.44	0.5	65	38	79	197	2.0	1.9	0.7	3.83	13	3.0	1.3
C103703	0.5	14.5	248	3.6	3.14	0.4	80	63	76	374	2.3	2.0	0.8	2.87	17	3.0	1.4
C103704	0.6	14.4	265	3.9	0.25	0.3	87	81	96	208	3.9	2.0	1.2	1.43	16	4.6	<0.5
C103705	<0.2	15.7	343	4.2	1.16	0.6	129	31	128	131	2.2	1.5	1.1	1.42	19	3.9	1.2
C103707	<0.2	15.4	377	4.3	4.17	0.6	133	26	93	33	2.0	1.8	1.2	2.86	21	4.0	<0.5
C103708	<0.2	12.8	296	3.3	9.67	0.2	90	115	73	194	1.9	2.4	1.2	5.94	18	3.8	<0.5
C103709	<0.2	10.6	242	2.5	7.75	0.5	52	17	67	145	1.9	2.0	0.8	4.09	13	3.2	<0.5
C103710	0.9	12.5	289	3.0	1.44	0.3	87	43	98	615	1.9	1.4	0.8	1.67	18	3.1	0.6
C103711	0.7	13.5	325	3.3	3.78	0.4	96	45	91	781	2.0	1.7	0.9	2.73	20	3.3	<0.5
C103712	0.3	13.7	244	2.3	1.57	0.3	76	59	85	29	1.5	1.6	0.9	6.66	16	2.6	1.4
C103713	0.4	14.5	362	3.1	1.13	0.5	90	53	115	101	2.5	1.6	1.2	2.31	23	4.3	<0.5
C103714	1.1	8.50	206	1.7	11.0	0.4	94	33	48	148	2.3	2.7	1.6	6.95	13	4.2	<0.5
C103715	1.0	16.1	420	3.4	0.71	0.3	106	80	93	910	6.1	3.1	2.9	2.56	22	8.0	<0.5
C103716	0.2	15.1	366	2.9	4.55	0.2	115	119	91	577	2.1	1.8	1.5	3.96	21	4.5	<0.5
C103717	0.2	13.7	341	2.5	6.05	<0.2	96	141	95	663	2.7	2.3	1.7	5.07	18	4.9	<0.5
C103718	<0.2	14.8	372	2.9	2.80	<0.2	75	109	93	321	2.9	2.0	1.5	3.49	20	4.5	<0.5
C103719	<0.2	15.0	358	2.8	4.11	<0.2	73	142	78	38	1.9	1.9	1.1	4.43	20	3.3	<0.5
C103720	1.1	13.5	349	2.9	1.87	<0.2	86	84	96	97	6.1	2.5	3.1	2.96	18	7.4	<0.5
C103722	0.2	11.0	263	1.9	7.61	0.4	76	44	56	21	1.6	2.2	1.2	5.61	14	3.2	<0.5
CG515/LS4	<0.2	18.4	2260	2.0	5.02	0.7	156	18	112	3	3.3	2.5	2.5	7.50	22	5.8	3.6
C103722 R	0.2	11.0	265	1.9	7.57	0.3	74	45	56	21	1.6	2.1	1.2	5.65	13	3.1	<0.5

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4/BL4A	1.0	3.24	82	28	2.86	0.075	2	3.19	8	61	21	0.671	15	14	11	8.2	5
C103701	0.7	4.11	42	14	2.98	0.251	15	0.06	4	24	19	0.195	5	6	8	3.8	<1
C103703	0.7	5.18	45	13	2.21	0.146	2	0.07	7	31	22	0.160	4	8	10	4.0	<1
C103704	0.8	5.00	46	22	0.947	0.014	7	0.07	6	35	26	0.139	23	9	10	4.9	<1
C103705	0.7	5.54	84	22	1.42	0.058	5	0.08	6	43	14	0.220	4	11	11	5.2	<1
C103707	0.7	5.56	97	14	2.69	0.256	13	0.08	4	42	15	0.201	3	11	12	5.6	<1
C103708	0.9	4.59	67	17	5.33	0.578	23	0.07	5	29	34	0.207	8	7	10	4.9	<1
C103709	0.7	3.79	33	14	4.42	0.417	7	0.06	3	21	14	0.166	7	5	7	4.2	<1
C103710	0.5	4.38	56	18	1.55	0.067	19	0.07	4	30	19	0.185	6	7	9	3.9	<1
C103711	0.7	4.78	62	14	2.64	0.192	27	0.07	5	34	18	0.200	5	8	10	4.7	<1
C103712	0.6	3.51	46	52	3.47	0.091	64	0.05	3	31	64	0.209	8	7	8	4.8	1
C103713	0.6	5.10	53	25	1.78	0.056	28	0.07	5	36	32	0.194	10	8	11	5.6	2
C103714	0.8	2.99	54	17	5.78	0.523	610	0.05	3	40	33	0.135	15	9	10	7.2	1
C103715	1.3	5.86	57	25	1.35	0.032	48	0.06	4	48	44	0.203	53	12	11	9.2	2
C103716	0.8	5.67	70	20	3.03	0.251	44	0.06	4	45	44	0.202	7	11	12	6.8	2
C103717	0.9	5.16	57	18	3.52	0.365	9	0.06	3	39	49	0.192	14	9	11	6.5	1
C103718	0.8	5.52	45	23	2.16	0.163	11	0.06	4	31	39	0.195	21	7	11	5.5	2
C103719	0.6	5.59	45	20	2.63	0.247	40	0.06	4	29	40	0.195	8	7	11	4.8	2
C103720	1.1	4.99	44	26	1.70	0.105	26	0.06	5	40	36	0.188	82	10	10	8.2	1
C103722	0.7	4.13	49	15	3.84	0.460	470	0.06	3	30	31	0.166	8	7	8	5.2	1
CG515/LS4	1.2	3.24	89	29	2.84	0.078	2	3.28	8	66	22	0.684	17	15	12	8.9	4
C103722 R	0.7	4.11	47	15	3.70	0.460	463	0.06	4	30	31	0.167	7	7	8	5.2	<1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4/BL4A	1190	<1	<0.3	12	0.979	<2	123	<1	20	1.7	84	147	0.150
C103701	22	<1	<0.3	9	0.220	87	52	<1	16	1.6	19	100	N/R
C103703	16	<1	<0.3	12	0.348	116	60	<1	17	2.0	12	119	N/R
C103704	7	<1	<0.3	11	0.379	580	70	1	23	2.1	10	95	N/R
C103705	9	<1	<0.3	11	0.413	67	85	1	14	1.5	9	89	N/R
C103707	20	<1	<0.3	13	0.325	47	91	1	15	1.6	10	80	N/R
C103708	34	4	<0.3	12	0.250	145	82	<1	19	1.8	19	65	N/R
C103709	27	<1	<0.3	10	0.211	88	55	<1	16	1.5	14	56	N/R
C103710	9	<1	<0.3	12	0.287	101	82	3	12	1.5	9	74	N/R
C103711	16	<1	<0.3	14	0.316	49	101	<1	14	1.7	12	80	N/R
C103712	10	<1	<0.3	14	0.229	210	94	1	11	1.5	30	68	N/R
C103713	9	<1	<0.3	14	0.318	220	102	3	15	1.8	12	79	N/R
C103714	30	<1	<0.3	9	0.162	200	115	2	17	1.8	19	45	N/R
C103715	8	<1	<0.3	17	0.330	1440	110	6	33	3.1	12	84	0.172
C103716	19	<1	<0.3	15	0.298	160	103	4	15	1.7	12	76	N/R
C103717	21	<1	<0.3	14	0.267	275	80	4	18	2.0	14	72	N/R
C103718	13	<1	<0.3	13	0.290	320	87	6	17	1.9	10	75	N/R
C103719	16	<1	<0.3	13	0.282	145	93	4	13	1.6	10	74	N/R
C103720	11	1	<0.3	13	0.328	1970	89	5	29	2.9	15	79	0.235
C103722	25	<1	<0.3	11	0.234	77	63	3	14	1.6	14	55	N/R
CG515/LS4	1200	<1	<0.3	13	1.02	<2	127	<1	21	1.8	86	151	N/R
C103722 R	26	2	<0.3	10	0.244	79	64	3	14	1.5	13	58	N/R

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standard is BL4A.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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Samples: 22

Report No: 06-861
Date: July 17, 2006

ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4/BL4A	0.1	13.3	0.4	37.1	49.4	0.4	<0.2	11.7	50.8	22.7	0.3	<0.2	<0.2	34.2	95.2	203
C103701	0.2	45.9	5.7	33.1	192	<0.2	<0.2	15.0	17.7	3.33	<0.2	<0.2	0.4	80.1	3.8	14.5
C103703	0.2	66.7	6.2	58.6	370	<0.2	<0.2	1.7	19.6	4.59	<0.2	<0.2	0.6	111	3.2	8.2
C103704	<0.1	90.1	2.9	77.7	204	0.3	<0.2	7.7	23.4	22.5	<0.2	<0.2	1.2	570	2.7	5.4
C103705	<0.1	31.2	0.6	29.2	124	<0.2	<0.2	4.8	10.3	4.56	<0.2	0.3	1.2	65.9	3.8	5.2
C103707	<0.1	24.2	1.6	22.3	35.6	<0.2	<0.2	12.8	9.6	3.48	<0.2	0.7	0.8	46.8	4.5	12.1
C103708	0.3	129	1.6	114	190	<0.2	<0.2	23.9	34.5	6.48	<0.2	<0.2	0.6	140	7.8	15.7
C103709	0.1	20.4	1.0	14.9	140	<0.2	<0.2	6.2	11.2	5.65	<0.2	0.3	0.6	83.6	4.3	11.0
C103710	0.7	30.4	<0.2	39.0	595	<0.2	<0.2	19.2	14.2	5.63	<0.2	0.3	0.8	94.6	3.8	6.1
C103711	0.5	35.8	<0.2	37.8	770	<0.2	<0.2	28.1	14.4	5.48	<0.2	1.8	1.2	45.3	5.6	7.0
C103712	0.1	48.5	1.4	53.9	29.2	1.6	<0.2	64.9	62.1	5.97	<0.2	<0.2	<0.2	203	10.2	21.4
C103713	0.1	78.6	1.1	49.1	101	<0.2	<0.2	26.1	31.9	10.7	<0.2	1.0	0.9	203	5.4	8.5
C103714	1.0	17.5	5.4	28.4	145	<0.2	<0.2	602	27.5	13.7	<0.2	2.7	0.8	190	22.3	15.3
C103715	<0.1	55.7	<0.2	74.3	897	0.8	<0.2	48.8	33.6	51.8	<0.2	1.4	1.0	1400	4.6	4.3
C103716	0.1	149	1.0	113	570	<0.2	<0.2	42.4	36.1	6.17	<0.2	0.9	1.0	150	7.1	11.2
C103717	<0.1	131	<0.2	129	660	<0.2	<0.2	9.0	33.3	12.2	<0.2	<0.2	1.2	260	6.0	9.2
C103718	<0.1	44.3	1.3	104	320	<0.2	<0.2	11.1	24.1	21.6	<0.2	1.1	0.9	307	5.0	7.7
C103719	<0.1	33.5	1.8	138	37.7	<0.2	<0.2	39.9	21.7	7.81	<0.2	0.8	0.9	140	5.9	8.8
C103720	<0.1	23.0	<0.2	77.0	95.3	0.9	<0.2	25.5	18.9	80.1	<0.2	<0.2	1.1	1900	5.5	6.9
C103722	0.4	9.8	2.1	41.3	20.2	<0.2	<0.2	462	18.1	4.56	<0.2	<0.2	1.5	75.5	5.0	11.8
CG515/LS4	0.1	14.5	0.4	38.0	51.1	0.3	<0.2	12.5	51.5	23.7	0.2	<0.2	<0.2	34.8	98.0	210
C103722 R	0.4	10.4	1.9	40.0	20.6	<0.2	<0.2	457	18.2	4.65	<0.2	<0.2	1.4	75.0	4.9	11.0

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

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Geoanalytical Group: 2006-858

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July 17, 2006

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Reviewed by: Chelsey Schneider

Chelsey Schneider

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 9

Report No: 06-858
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Beryllium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.4	2130	1.9	4.70	0.7	151	19	115	3	3.4	2.6	2.4	7.41	20	6.2	3.7
C103734	<0.2	0.16	13	<0.2	32.4	<0.2	1	2	30	2	0.3	1.7	<0.2	0.12	<1	<0.5	<0.5
C103741	<0.2	13.6	320	2.4	7.64	0.6	89	66	59	26	1.8	2.1	1.4	6.43	18	3.8	<0.5
C103744	0.2	9.03	114	1.6	2.55	0.3	59	28	110	19	1.8	1.5	0.7	4.08	6	3.0	0.7
C103760	0.2	9.47	139	1.1	7.89	0.6	54	22	85	121	1.5	1.8	0.8	4.76	9	2.9	<0.5
C103763	<0.2	0.15	11	<0.2	32.6	<0.2	1	<1	27	2	0.3	1.7	<0.2	0.12	<1	<0.5	<0.5
C103774	<0.2	14.1	433	2.4	7.40	0.5	85	62	52	6	1.9	2.2	1.7	6.66	18	4.1	<0.5
C103775	<0.2	14.5	449	2.5	4.93	0.5	99	36	63	2	2.4	2.4	1.9	10.5	20	4.5	2.7
C103775 R	<0.2	15.1	452	2.5	5.05	0.7	96	37	59	3	2.2	2.4	1.8	10.7	20	4.3	2.8

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ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.1	3.19	85	29	2.83	0.075	1	3.20	8	64	20	0.685	15	15	12	8.5	5
C103734	<0.4	0.033	1	1	21.3	0.013	<1	0.01	4	<1	5	0.078	1	1	<1	0.8	<1
C103741	0.8	4.93	55	17	3.93	0.454	14	0.37	6	35	34	0.192	3	9	11	5.8	1
C103744	0.6	2.31	33	28	2.58	0.120	41	0.06	2	24	28	0.141	10	6	4	4.0	<1
C103760	0.6	1.83	32	12	4.54	0.401	44	2.14	4	23	17	0.135	5	6	6	3.9	<1
C103763	<0.4	0.034	1	1	21.6	0.016	<1	<0.01	3	<1	4	0.088	1	1	<1	0.7	<1
C103774	0.8	5.59	54	17	4.10	0.425	13	0.06	4	34	38	0.190	4	8	11	5.8	1
C103775	0.9	5.87	62	17	3.02	0.288	3	0.06	3	40	29	0.202	4	10	11	6.8	3
C103775 R	0.9	6.02	60	17	3.13	0.294	3	0.06	4	38	27	0.203	4	9	12	6.5	4

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
CG515/LS4	1190	<1	<0.3	12	0.975	<2	123	<1	21	1.8	84	135
C103734	117	5	<0.3	<1	<0.001	<2	2	<1	3	<0.1	13	<1
C103741	28	1	<0.3	12	0.303	25	82	4	15	1.7	14	67
C103744	12	1	<0.3	8	0.161	95	28	1	9	1.2	21	50
C103760	32	2	<0.3	9	0.204	34	54	2	13	1.4	18	50
C103763	119	7	<0.3	<1	<0.001	<2	1	<1	3	<0.1	14	<1
C103774	25	<1	<0.3	12	0.284	21	79	4	16	1.8	13	75
C103775	19	<1	<0.3	13	0.291	11	79	3	17	2.0	15	80
C103775 R	20	<1	<0.3	13	0.286	12	80	3	18	1.9	16	81

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 9

Report No: 06-858
Date: July 17, 2006

ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.1	13.8	0.5	37.0	49.8	0.5	<0.2	11.8	49.4	22.7	0.6	<0.2	<0.2	33.0	97.4	199
C103734	0.2	5.2	3.4	<0.1	1.1	<0.2	<0.2	0.3	5.8	<0.02	0.5	<0.2	1.7	<0.5	1.4	11.6
C103741	0.1	14.1	0.9	63.5	24.5	<0.2	<0.2	12.7	18.5	1.18	<0.2	<0.2	0.2	23.7	10.1	8.8
C103744	0.1	18.3	1.3	25.6	17.3	0.7	<0.2	38.9	27.0	6.78	<0.2	<0.2	<0.2	92.0	6.7	14.6
C103760	0.2	21.3	1.8	20.1	120	<0.2	<0.2	43.1	16.3	2.35	<0.2	<0.2	0.3	34.0	10.5	12.7
C103763	0.2	4.7	3.6	0.2	1.3	<0.2	<0.2	0.4	6.1	<0.02	0.6	0.6	2.1	<0.5	1.3	10.8
C103774	0.1	4.5	0.6	56.4	4.2	<0.2	<0.2	11.4	21.3	1.49	<0.2	0.7	<0.2	20.8	7.2	8.3
C103775	<0.1	2.4	0.2	32.8	2.1	<0.2	<0.2	1.3	8.2	0.75	<0.2	<0.2	<0.2	10.2	4.8	5.9
C103775 R	<0.1	2.6	0.2	31.9	2.5	<0.2	<0.2	1.2	8.1	0.79	<0.2	<0.2	0.4	9.9	4.7	6.0

Partial Digestion: A 1.00 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95C.
The standard is LS4.

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 49

Report No: 06-858
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Silver in ppm (Ag)
Aluminum in wt % (Al2O3)
Barium in ppm (Ba)
Berylium in ppm (Be)
Calcium in wt % (CaO)

Cadmium in ppm (Cd)
Cerium in ppm (Ce)
Cobalt in ppm (Co)
Chromium in ppm (Cr)
Copper in ppm (Cu)

Dysprnnosium in ppm (Dy)
Erbium in ppm (Er)
Europium in ppm (Eu)
Iron in wt % (Fe2O3)
Gallium in ppm (Ga)

Gadolinium in ppm (Gd)
Hafnium in ppm (Hf)
Holmium in ppm (Ho)
Potassium in wt % (K2O)
Lanthanum in ppm (La)

Lithium in ppm (Li)
Magnesium in wt % (MgO)
Manganese in wt % (MnO)
Molybdenum in ppm (Mo)
Sodium in wt % (Na2O)

Niobium in ppm (Nb)
Neodymium in ppm (Nd)
Nickel in ppm (Ni)
Phosphorus in wt % (P2O5)
Lead in ppm (Pb)

Praseodymium in ppm (Pr)
Scandium in ppm (Sc)
Samarium in ppm (Sm)
Tin in ppm (Sn)
Strontium in ppm (Sr)

Tantalum in ppm (Ta)
Terbium in ppm (Tb)
Thorium in ppm (Th)
Titanium in wt % (TiO2)
Uranium in ppm (U, ICP)

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Report No: 06-858
Date: July 17, 2006

ICP6.3 Total Digestion

Column Header Details

Vanadium in ppm (V)
Tungsten in ppm (W)
Yttrium in ppm (Y)
Ytterbium in ppm (Yb)
Zinc in ppm (Zn)

Zirconium in ppm (Zr)
U3O8 Assay by ICP in wt % (U3O8)

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ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.3	2170	1.9	4.73	0.7	149	18	113	3	3.4	2.5	2.3	7.33	21	6.3	3.1
C103727	0.3	16.1	441	4.5	1.29	0.7	142	23	105	241	2.4	1.5	1.1	1.41	22	4.0	1.0
C103728	1.1	13.6	265	3.0	0.76	<0.2	65	1130	117	526	2.1	1.6	0.8	8.02	17	2.5	<0.5
C103729	0.2	16.9	523	4.6	0.29	0.7	118	9	112	199	1.9	1.2	0.8	1.13	24	3.2	1.3
C103730	0.5	12.9	327	3.3	0.31	0.3	98	47	109	162	1.8	1.2	0.7	1.69	19	2.9	0.9
C103731	0.6	11.9	308	2.9	0.50	<0.2	98	1050	112	326	2.6	1.3	0.9	1.98	18	3.6	<0.5
C103735	2.7	10.2	268	2.3	9.10	<0.2	136	211	85	1290	3.4	2.9	1.9	6.74	16	6.2	<0.5
C103736	1.1	12.9	311	2.5	0.65	0.4	74	65	109	267	3.1	1.7	1.4	1.88	17	4.5	<0.5
C103737	0.9	14.2	360	2.8	2.06	0.4	111	67	106	340	2.3	1.6	1.4	2.46	19	4.7	<0.5
C103738	1.5	13.5	381	2.8	1.73	0.2	92	96	95	460	2.5	1.6	1.2	2.62	19	4.2	<0.5
C103740	<0.2	16.3	411	3.1	4.72	0.5	114	62	86	352	2.8	2.3	1.6	4.61	22	5.3	<0.5
C103742	<0.2	14.7	489	2.8	5.47	0.6	92	52	74	13	2.4	2.1	1.6	5.27	20	4.6	<0.5
C103743	0.4	15.2	315	4.3	2.51	0.4	37	53	70	331	2.1	1.8	0.5	2.84	19	2.2	1.2
C103745	0.7	8.83	118	1.7	0.17	<0.2	50	68	91	37	2.3	1.6	0.8	6.40	7	3.0	<0.5
C103746	0.2	15.2	405	4.3	1.46	0.6	117	38	100	257	2.4	1.5	1.1	1.45	20	4.0	1.1
C103747	<0.2	14.4	425	3.5	4.22	0.2	108	102	94	133	2.0	1.8	1.0	4.87	18	3.5	0.6
C103748	0.3	13.8	404	3.6	5.03	0.5	59	74	84	230	2.4	2.0	0.8	3.26	20	3.4	<0.5
C103749	<0.2	10.4	256	2.5	5.40	0.5	55	25	85	565	1.9	1.7	0.8	3.69	15	3.3	<0.5
C103750	0.2	13.7	350	3.0	3.91	0.4	92	53	83	140	2.2	1.8	1.2	3.27	22	4.3	<0.5
C103751	1.1	13.1	415	3.1	0.27	<0.2	95	103	95	440	3.9	2.0	1.6	2.79	20	5.5	<0.5
CG515/LS4	<0.2	17.0	2100	1.8	4.63	0.8	147	18	111	4	3.3	2.4	2.3	7.18	20	6.2	3.1
C103752	2.8	14.4	677	3.1	0.82	0.3	118	53	106	390	4.1	2.2	2.0	2.25	22	6.3	<0.5
C103753	0.8	14.3	420	2.7	2.12	0.3	122	74	90	120	3.6	2.2	2.0	2.57	21	6.2	<0.5
C103754	<0.2	13.5	354	2.5	4.84	<0.2	95	118	79	282	1.7	1.6	1.2	3.95	18	4.0	<0.5
C103755	0.2	15.0	383	2.9	3.50	<0.2	107	129	92	369	2.2	1.8	1.4	3.49	21	4.5	<0.5
C103756	<0.2	14.6	343	2.7	5.18	0.3	94	69	85	473	2.0	2.2	1.2	5.06	20	4.2	<0.5
C103757	0.4	14.2	366	2.8	3.22	0.2	93	64	88	168	3.7	2.5	2.0	4.77	20	5.5	<0.5
C103758	<0.2	13.7	361	2.6	4.48	0.6	92	45	72	49	2.5	2.1	1.6	4.53	18	4.4	<0.5
C103759	<0.2	13.0	464	2.4	4.34	0.5	83	56	72	44	2.7	2.0	1.7	4.72	18	4.6	<0.5
C103761	0.4	12.6	377	2.9	5.24	0.4	76	59	89	383	2.2	1.9	1.1	4.05	18	4.0	<0.5
C103764	0.4	13.9	441	3.6	3.75	0.5	89	73	90	111	2.4	1.9	1.2	3.58	21	4.3	<0.5
C103765	0.2	12.0	399	2.8	6.89	<0.2	79	103	77	75	2.3	2.2	1.2	4.88	17	4.2	<0.5
C103766	0.2	11.8	379	2.6	10.5	0.4	78	68	67	122	2.1	2.6	1.2	6.56	18	4.4	<0.5
C103767	2.3	11.6	413	2.5	6.96	0.5	121	36	90	137	3.4	2.8	2.0	4.81	18	6.0	<0.5
C103768	<0.2	13.1	366	2.7	5.81	0.5	115	22	75	44	2.4	2.2	1.6	3.93	20	5.0	<0.5
C103769	0.3	13.1	369	2.7	3.66	0.4	116	26	77	146	2.5	2.0	1.7	3.15	21	5.1	<0.5
C103770	0.3	15.8	491	3.4	0.91	0.6	138	27	100	119	4.6	2.6	2.6	2.75	24	7.3	<0.5
C103771	<0.2	15.8	484	3.2	1.96	0.6	100	38	95	42	2.7	1.9	1.6	3.44	23	4.6	0.5
C103772	<0.2	14.5	419	2.8	3.88	<0.2	91	116	82	42	2.3	2.0	1.6	5.09	20	4.3	<0.5
C103772 R	<0.2	14.8	427	2.9	3.97	<0.2	88	117	82	42	2.3	2.1	1.6	5.16	21	4.1	<0.5

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Attention:
PO #/Project: Lumina
Samples: 49

Report No: 06-858
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Ag ppm	Al2O3 wt %	Ba ppm	Be ppm	CaO wt %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Fe2O3 wt %	Ga ppm	Gd ppm	Hf ppm
CG515/LS4	<0.2	17.6	2220	2.0	4.80	0.7	152	20	112	3	3.3	2.4	2.4	7.34	21	6.1	4.2
C103773	<0.2	14.8	463	2.8	4.52	<0.2	74	195	87	47	1.5	1.9	1.4	7.20	21	3.3	1.8
C103773 R	<0.2	15.1	471	2.9	4.66	<0.2	75	207	84	45	1.6	2.0	1.5	7.28	22	3.3	1.7
CG515/LS4/BL2A	<0.2	17.6	2210	1.9	4.79	0.7	152	20	112	3	3.3	2.4	2.4	7.33	21	6.1	4.2
C103732	1.9	10.4	196	3.1	0.64	<0.2	62	88	92	529	3.6	1.9	1.3	4.39	9	4.3	<0.5
C103733	3.2	14.0	406	3.9	0.25	<0.2	122	103	102	332	6.8	2.4	3.5	2.14	21	8.5	<0.5
C103739	2.7	12.6	345	2.9	1.69	<0.2	76	231	107	1420	6.3	2.7	2.5	3.24	15	5.6	<0.5
C103762	3.5	14.6	447	4.1	0.49	<0.2	110	130	99	1410	15.0	6.1	5.9	2.60	19	14.2	<0.5
C103762 R	3.7	15.1	453	4.2	0.50	<0.2	108	132	103	1430	14.9	5.9	5.9	2.65	20	14.5	<0.5

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Samples: 49

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.2	3.18	84	29	2.82	0.075	1	3.11	8	62	21	0.688	16	16	11	8.4	5
C103727	0.7	5.82	99	15	1.40	0.070	11	0.08	5	43	13	0.190	6	13	11	5.1	<1
C103728	0.7	3.91	51	71	2.31	0.037	39	0.08	4	21	250	0.326	10	6	7	3.3	2
C103729	0.6	6.08	87	15	0.969	0.007	16	0.08	6	34	12	0.186	2	10	10	4.1	3
C103730	0.6	4.42	66	18	1.09	0.012	47	0.07	5	30	22	0.168	6	9	8	3.7	<1
C103731	0.7	3.99	63	19	1.14	0.032	35	0.06	2	32	54	0.181	14	9	8	4.3	<1
C103735	1.0	3.52	81	28	5.20	0.451	736	0.05	5	53	52	0.180	30	15	11	8.9	2
C103736	0.7	4.76	41	21	1.09	0.030	404	0.06	5	30	39	0.180	27	8	8	5.1	3
C103737	0.6	5.38	64	21	1.71	0.116	312	0.06	5	42	32	0.191	14	12	10	6.3	1
C103738	0.7	5.06	56	23	1.59	0.098	323	0.06	4	34	38	0.200	26	10	9	5.5	<1
C103740	0.9	6.10	73	28	3.29	0.284	8	0.07	5	43	51	0.221	16	12	13	6.9	2
C103742	0.9	5.62	57	19	3.18	0.330	7	0.06	5	36	40	0.202	12	9	12	5.9	2
C103743	0.7	5.50	23	13	1.94	0.122	32	0.07	6	14	24	0.179	5	4	9	2.2	<1
C103745	0.6	1.57	27	52	2.48	0.016	125	0.03	3	24	93	0.136	30	6	3	4.4	2
C103746	0.7	5.54	73	20	1.45	0.076	16	0.08	5	40	14	0.197	6	11	10	5.1	<1
C103747	0.7	4.74	79	30	3.57	0.234	13	0.07	5	34	38	0.213	6	10	11	4.8	<1
C103748	0.7	5.01	42	21	3.15	0.294	46	0.07	6	20	26	0.180	11	6	10	3.6	<1
C103749	0.6	3.57	35	21	3.41	0.300	7	0.06	4	22	21	0.173	9	5	7	4.0	1
C103750	0.7	4.91	53	22	2.95	0.205	34	0.08	6	36	27	0.197	11	10	10	5.7	1
C103751	0.8	4.35	53	34	1.48	0.010	51	0.06	6	38	51	0.193	49	10	9	6.4	2
CG515/LS4	1.1	3.16	83	27	2.71	0.072	2	3.13	8	62	21	0.661	16	16	11	8.3	4
C103752	0.9	5.21	67	31	1.42	0.041	433	0.06	6	47	40	0.197	21	13	10	8.0	2
C103753	0.9	5.28	70	21	1.83	0.117	254	0.06	5	48	51	0.195	25	13	10	7.9	1
C103754	0.7	5.11	58	14	2.78	0.278	34	0.06	3	36	47	0.186	3	10	10	5.7	<1
C103755	0.8	5.65	64	19	2.45	0.201	36	0.06	5	41	47	0.193	10	11	11	6.3	1
C103756	0.8	5.10	58	20	3.47	0.332	8	0.45	3	36	43	0.202	6	9	11	5.7	<1
C103757	0.9	5.01	53	26	2.60	0.201	11	0.31	3	38	56	0.196	40	10	12	6.8	3
C103758	0.8	5.00	56	20	3.00	0.273	18	0.20	5	36	37	0.184	9	10	11	6.1	2
C103759	0.8	4.91	50	17	2.80	0.262	18	0.05	4	33	35	0.181	13	9	10	5.9	3
C103761	0.8	4.53	47	23	3.36	0.292	69	0.06	4	30	27	0.180	9	8	10	5.1	2
C103764	0.7	5.29	53	29	2.80	0.203	12	0.06	6	34	33	0.206	12	9	11	5.5	<1
C103765	0.9	4.24	48	25	4.10	0.377	67	0.06	5	32	37	0.186	11	8	10	5.6	<1
C103766	0.9	4.42	47	21	5.35	0.604	105	0.06	5	33	32	0.162	10	8	10	5.8	<1
C103767	1.0	4.31	68	24	4.00	0.365	679	0.06	5	49	37	0.175	23	13	9	8.4	1
C103768	0.8	4.88	65	17	3.71	0.299	70	0.06	4	46	43	0.182	16	13	10	7.3	1
C103769	0.7	4.87	64	18	2.71	0.193	149	0.06	4	46	39	0.181	21	12	10	7.1	1
C103770	1.1	5.82	74	25	1.60	0.049	11	0.06	5	56	37	0.200	41	15	11	9.4	2
C103771	0.8	5.95	59	21	2.11	0.107	3	0.06	6	38	37	0.197	13	10	12	6.1	2
C103772	0.9	5.62	55	19	2.93	0.219	10	0.06	5	35	44	0.186	8	9	11	5.8	3
C103772 R	0.8	5.69	53	20	2.97	0.224	9	0.06	5	34	46	0.191	9	9	11	5.5	<1

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Report No: 06-858
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Ho ppm	K2O wt %	La ppm	Li ppm	MgO wt %	MnO wt %	Mo ppm	Na2O wt %	Nb ppm	Nd ppm	Ni ppm	P2O5 wt %	Pb ppm	Pr ppm	Sc ppm	Sm ppm	Sn ppm
CG515/LS4	1.0	3.21	90	29	2.80	0.075	1	3.18	6	63	22	0.689	14	15	12	8.5	5
C103773	0.7	5.84	47	19	2.94	0.258	9	0.07	3	29	52	0.196	6	7	11	5.0	2
C103773 R	0.7	5.91	48	19	3.02	0.265	10	0.07	4	29	54	0.202	4	7	12	5.2	1
CG515/LS4/BL2A	1.0	3.20	90	29	2.80	0.075	1	3.17	6	63	22	0.688	14	15	12	8.5	5
C103732	0.8	2.73	32	40	1.88	0.037	125	0.05	2	30	51	0.171	60	7	6	5.7	<1
C103733	1.2	4.90	44	34	1.24	0.006	17	0.06	4	63	45	0.214	180	17	12	10.5	1
C103739	1.1	4.49	30	33	1.67	0.096	115	0.06	3	37	75	0.198	138	11	10	7.1	<1
C103762	2.4	5.17	46	41	1.45	0.018	75	0.07	4	58	76	0.216	147	15	13	13.8	2
C103762 R	2.4	5.34	44	42	1.48	0.018	77	0.07	4	57	79	0.223	149	15	14	13.6	1

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Archer, Cathro & Associates (1981) Limited
Attention:
PO #/Project: Lumina
Samples: 49

Report No: 06-858
Date: July 17, 2006

ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1170	<1	<0.3	12	0.981	<2	124	<1	21	1.8	84	145	N/R
C103727	10	<1	<0.3	12	0.406	50	98	1	14	1.7	7	88	N/R
C103728	8	<1	<0.3	15	0.275	580	92	1	15	1.7	33	75	N/R
C103729	7	<1	<0.3	13	0.445	56	115	<1	12	1.6	7	97	N/R
C103730	5	<1	<0.3	12	0.304	96	103	<1	11	1.5	11	73	N/R
C103731	6	<1	<0.3	12	0.306	310	92	<1	13	1.6	12	69	N/R
C103735	25	2	<0.3	12	0.272	660	137	5	20	2.4	23	62	N/R
C103736	7	<1	<0.3	12	0.306	630	93	6	17	1.9	8	70	N/R
C103737	11	<1	<0.3	12	0.307	271	108	5	13	1.7	7	71	N/R
C103738	10	<1	<0.3	13	0.286	40	95	4	14	1.8	8	74	N/R
C103740	17	<1	<0.3	14	0.347	182	99	3	20	2.3	15	80	N/R
C103742	20	<1	<0.3	13	0.347	130	85	4	18	1.9	14	67	N/R
C103743	12	<1	<0.3	10	0.335	295	63	<1	18	2.1	11	133	N/R
C103745	7	1	<0.3	9	0.189	700	32	<1	14	1.5	31	48	N/R
C103746	12	<1	<0.3	11	0.411	64	79	1	15	1.6	10	87	N/R
C103747	16	<1	<0.3	12	0.333	84	82	2	16	1.7	23	76	N/R
C103748	20	<1	<0.3	13	0.336	240	92	<1	18	1.9	12	74	N/R
C103749	19	<1	<0.3	10	0.253	71	61	<1	14	1.5	16	59	N/R
C103750	16	<1	<0.3	13	0.335	175	101	2	15	1.8	13	71	N/R
C103751	7	<1	<0.3	14	0.336	900	98	1	21	2.3	19	74	N/R
CG515/LS4	1100	<1	<0.3	12	0.977	<2	121	<1	21	1.8	82	146	N/R
C103752	10	<1	<0.3	15	0.340	640	136	7	18	2.3	11	81	N/R
C103753	12	<1	<0.3	14	0.323	450	128	6	18	2.2	12	76	N/R
C103754	19	<1	<0.3	13	0.274	94	78	4	13	1.6	10	69	N/R
C103755	16	<1	<0.3	14	0.334	240	96	5	14	1.8	9	75	N/R
C103756	18	<1	<0.3	14	0.232	71	80	3	15	2.0	16	85	N/R
C103757	13	<1	<0.3	14	0.248	820	83	3	21	2.5	15	84	N/R
C103758	15	<1	<0.3	13	0.305	161	79	4	19	2.1	13	82	N/R
C103759	15	<1	<0.3	12	0.297	295	75	2	18	2.0	13	76	N/R
C103761	23	<1	<0.3	11	0.295	160	80	2	16	1.9	17	70	N/R
C103764	16	<1	<0.3	12	0.365	178	93	2	17	1.9	13	74	N/R
C103765	23	<1	<0.3	12	0.254	151	85	<1	18	1.8	14	59	N/R
C103766	34	<1	<0.3	10	0.241	96	96	<1	19	2.1	21	57	N/R
C103767	24	<1	<0.3	13	0.251	340	136	4	21	2.2	15	61	N/R
C103768	20	<1	<0.3	12	0.259	210	109	3	17	1.9	12	74	N/R
C103769	15	<1	<0.3	12	0.249	340	103	2	18	1.9	11	78	N/R
C103770	9	<1	<0.3	15	0.323	710	113	4	24	2.7	11	93	N/R
C103771	10	<1	<0.3	15	0.370	240	92	4	17	2.0	11	87	N/R
C103772	15	<1	<0.3	13	0.326	177	78	3	17	2.0	12	83	N/R
C103772 R	14	<1	<0.3	13	0.321	178	80	4	17	2.0	15	85	N/R

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ICP6.3 Total Digestion

Sample Number	Sr ppm	Ta ppm	Tb ppm	Th ppm	TiO2 wt %	U, ICP ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm	U3O8 wt %
CG515/LS4	1210	<1	<0.3	12	0.984	<2	122	2	21	1.7	88	153	N/R
C103773	19	<1	<0.3	12	0.287	37	77	1	15	1.7	12	82	N/R
C103773 R	19	1	<0.3	11	0.316	38	79	1	15	1.7	13	85	N/R
CG515/LS4/BL2A	1210	<1	<0.3	12	0.977	<2	122	2	21	1.7	88	153	0.503
C103732	9	1	<0.3	10	0.183	1570	62	1	22	2.2	25	66	0.188
C103733	9	<1	<0.3	14	0.321	5100	110	2	45	3.9	16	81	0.617
C103739	11	1	<0.3	10	0.300	3300	88	1	28	3.5	17	72	0.413
C103762	10	<1	<0.3	15	0.357	4400	90	1	71	6.4	20	81	0.533
C103762 R	10	<1	<0.3	15	0.359	4400	93	2	71	6.4	22	83	0.537

Total Digestion: A 0.125 g pulp is gently heated in a mixture of HF/HNO3/HClO4 until dry and the residue is dissolved in dilute HNO3.
The standard is CG515.
Uranium Assay: A 1.00 g pulp is digested with 24 ml of 3:1 HCl:HNO3 for 1 hour at 95 C.
The standard is BL4A.

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ICP6.3R Partial Digestion

Column Header Details

Silver in ppm (Ag)
Arsenic in ppm (As)
Bismuth in ppm (Bi)
Cobalt in ppm (Co)
Copper in ppm (Cu)

Germanium in ppm (Ge)
Mercury in ppm (Hg)
Molybdenum in ppm (Mo)
Nickel in ppm (Ni)
Lead in ppm (Pb)

Antimony in ppm (Sb)
Selenium in ppm (Se)
Tellurium in ppm (Te)
Uranium in ppm (U, ICP)
Vanadium in ppm (V)

Zinc in ppm (Zn)

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ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.1	13.6	0.5	37.2	48.8	0.2	<0.2	11.6	50.1	22.9	<0.2	0.3	<0.2	34.8	96.5	201
C103727	<0.1	16.8	<0.2	21.0	240	<0.2	<0.2	10.2	7.9	6.89	<0.2	0.8	0.8	56.1	3.6	4.4
C103728	0.5	1620	1.5	1040	520	1.9	<0.2	38.2	241	8.81	<0.2	1.5	<0.2	579	12.3	21.4
C103729	<0.1	13.4	<0.2	9.0	193	<0.2	<0.2	14.2	6.8	2.74	<0.2	0.8	0.6	50.8	3.2	2.0
C103730	0.1	46.8	1.0	45.4	159	<0.2	<0.2	45.9	19.3	6.28	<0.2	<0.2	0.7	93.7	5.5	6.1
C103731	0.1	1380	<0.2	947	318	<0.2	<0.2	33.6	50.0	15.5	<0.2	<0.2	0.8	303	5.6	6.9
C103735	2.2	114	7.6	193	1200	<0.2	<0.2	716	44.4	25.6	<0.2	5.4	0.2	635	19.4	15.1
C103736	0.4	86.5	4.3	59.7	264	<0.2	<0.2	406	30.1	25.3	<0.2	2.2	0.7	587	2.2	3.7
C103737	0.6	93.3	3.5	63.1	333	<0.2	<0.2	317	23.3	13.0	<0.2	2.3	0.8	265	4.6	5.0
C103738	0.7	94.6	3.7	91.0	454	<0.2	<0.2	318	29.1	25.7	<0.2	1.7	0.5	409	4.3	4.8
C103740	<0.1	40.5	<0.2	50.5	350	<0.2	<0.2	6.6	28.7	14.8	<0.2	<0.2	0.7	179	6.0	10.6
C103742	<0.1	8.0	1.3	47.5	12.1	<0.2	<0.2	5.8	20.5	10.1	<0.2	0.5	0.3	128	5.9	9.6
C103743	0.1	63.8	7.8	51.3	330	<0.2	<0.2	31.0	20.5	4.21	<0.2	0.6	0.4	286	2.7	7.9
C103745	0.1	59.1	2.4	62.8	35.0	1.9	<0.2	120	88.5	27.0	<0.2	<0.2	<0.2	656	6.4	21.6
C103746	<0.1	84.1	0.4	33.0	250	<0.2	<0.2	15.5	9.5	6.62	<0.2	0.3	0.9	62.6	2.3	4.6
C103747	0.1	84.1	1.1	95.1	130	0.4	<0.2	12.1	33.0	4.92	<0.2	1.1	0.3	82.6	6.0	13.9
C103748	0.2	137	2.0	67.4	228	<0.2	<0.2	45.5	23.4	10.4	<0.2	<0.2	0.9	239	4.4	10.0
C103749	0.1	34.0	<0.2	22.5	560	<0.2	<0.2	5.7	18.6	7.95	<0.2	<0.2	0.5	69.4	4.9	11.4
C103750	0.1	52.9	2.1	48.9	138	<0.2	<0.2	34.0	26.6	9.66	<0.2	0.5	0.5	173	6.1	10.2
C103751	<0.1	141	0.6	98.5	433	0.6	<0.2	47.9	49.5	47.1	<0.2	<0.2	0.5	886	6.3	10.8
CG515/LS4	0.1	13.8	0.4	38.0	49.9	0.4	<0.2	12.0	50.5	23.2	0.4	0.3	0.3	33.9	97.4	207
C103752	1.5	33.6	3.9	48.1	386	<0.2	<0.2	420	29.7	20.5	<0.2	2.0	1.2	622	5.1	6.9
C103753	0.1	74.9	4.0	65.7	118	<0.2	<0.2	247	40.4	25.3	<0.2	1.2	1.3	443	5.5	12.4
C103754	<0.1	135	1.7	109	280	<0.2	<0.2	32.5	37.6	2.24	<0.2	1.0	1.6	92.1	5.8	7.0
C103755	<0.1	170	1.5	131	360	<0.2	<0.2	35.8	38.2	9.83	<0.2	2.3	0.7	238	5.3	6.7
C103756	<0.1	26.9	<0.2	58.0	470	<0.2	<0.2	7.1	27.1	4.24	<0.2	0.2	0.4	69.5	6.3	10.2
C103757	<0.1	13.7	0.6	59.0	165	0.4	<0.2	9.9	40.2	38.9	<0.2	1.0	0.8	811	6.7	10.3
C103758	<0.1	8.7	0.5	40.8	47.6	<0.2	<0.2	17.5	19.6	6.05	<0.2	0.5	0.3	157	5.8	10.5
C103759	<0.1	17.8	0.8	50.9	42.3	<0.2	<0.2	18.9	18.4	12.2	<0.2	0.3	0.5	292	6.0	10.2
C103761	0.4	56.7	3.9	56.0	380	<0.2	<0.2	70.6	26.9	8.91	<0.2	<0.2	0.8	150	6.6	13.2
C103764	0.1	70.3	3.6	65.3	105	<0.2	<0.2	11.8	32.6	10.8	<0.2	<0.2	0.7	176	5.3	9.5
C103765	0.4	142	5.7	92.7	74.4	<0.2	<0.2	67.1	37.0	10.5	<0.2	0.6	0.3	145	7.6	11.8
C103766	0.5	83.8	6.8	68.0	120	<0.2	<0.2	104	31.5	9.08	<0.2	<0.2	0.7	95.4	11.4	17.1
C103767	2.2	26.0	8.4	33.2	132	<0.2	<0.2	676	28.4	19.3	<0.2	3.1	0.7	333	9.6	11.3
C103768	0.1	5.7	0.9	19.7	42.3	<0.2	<0.2	67.2	28.8	15.4	<0.2	<0.2	0.5	200	8.8	10.3
C103769	<0.1	24.1	1.1	24.8	142	<0.2	<0.2	146	27.2	20.7	<0.2	0.6	0.6	334	7.2	8.6
C103770	<0.1	5.0	<0.2	23.8	117	<0.2	<0.2	9.8	18.9	40.7	<0.2	<0.2	1.2	707	6.6	6.1
C103771	<0.1	6.8	0.9	32.7	42.9	<0.2	<0.2	2.3	18.5	12.7	<0.2	0.9	0.8	235	5.3	9.3
C103772	<0.1	13.9	1.4	105	41.5	<0.2	<0.2	7.6	26.4	8.17	<0.2	0.5	0.4	174	5.7	9.6
C103772 R	<0.1	12.9	1.4	106	40.7	<0.2	<0.2	7.9	26.1	8.02	<0.2	0.4	0.5	177	5.8	10.1

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ICP6.3R Partial Digestion

Sample Number	Ag ppm	As ppm	Bi ppm	Co ppm	Cu ppm	Ge ppm	Hg ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Se ppm	Te ppm	U, ICP ppm	V ppm	Zn ppm
CG515/LS4	0.1	13.1	0.4	37.7	50.4	0.5	<0.2	12.0	51.2	23.1	0.5	<0.2	<0.2	33.7	97.0	208
C103773	<0.1	16.3	3.1	176	46.5	0.2	<0.2	9.0	30.9	1.71	<0.2	1.1	1.0	36.1	4.7	7.8
C103773 R	<0.1	15.7	3.1	175	47.9	0.3	<0.2	8.7	31.4	1.80	<0.2	1.2	0.6	35.4	4.7	8.0
CG515/LS4/BL2A	0.1	12.8	0.4	37.1	50.5	0.4	<0.2	11.9	51.0	23.5	0.3	0.4	<0.2	34.4	96.8	208
C103732	0.1	58.9	0.4	75.8	520	1.8	<0.2	121	48.7	61.4	<0.2	<0.2	0.6	1500	6.5	14.1
C103733	<0.1	58.0	<0.2	84.9	330	3.6	0.2	15.0	42.8	170	<0.2	<0.2	1.1	5000	7.1	10.1
C103739	<0.1	264	<0.2	218	1400	2.2	<0.2	120	64.2	131	<0.2	<0.2	2.1	3200	5.7	7.3
C103762	<0.1	143	<0.2	112	1410	3.1	<0.2	73.7	76.5	140	<0.2	<0.2	0.9	4300	5.3	9.9
C103762 R	<0.1	148	<0.2	112	1400	2.6	<0.2	72.1	74.8	142	<0.2	<0.2	1.4	4200	5.5	10.1

Partial Digestion: A 0.5 g pulp is digested with 2.25 ml of 9:1 HNO3:HCl for 1 hour at 95 C.
The standard is LS4.

575 000 mE
580 000 mE
585 000 mE
590 000 mE
7 215 000 mN
7 210 000 mN
7 205 000 mN
7 200 000 mN
7 195 000 mN
7 190 000 mN
T.N.
1°35'
26°14'
Grid north
Magnetic north
Annual change decreasing 29'

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION
LUMINA PROPERTY

0 0.5 1 2 3 km

UTM ZONE 8W, NAD 83, 106C14, 106F03

FILE: ...2006/YUP/LUMINA/F_2-CLAIMS.WOR

DATE: FEBRUARY 2007

STRATIFIED UNITS

PROTEROZOIC

P_u — Undifferentiated: platform limestone and feldspathic lithic arenite

UPPER PROTEROZOIC

WINDERMERE SUPERGROUP

P_{SH} — **Shezal Formation:** massive, green weathering diamictite containing rounded to subrounded pebbles and cobbles of carbonate, sandstone and (?)greenstone

P_{SA} — **Sayunei Formation:** thick bedded to massive, orange to brown weathering sandstone and conglomerate containing rounded to subrounded pebble to boulder sized clasts of carbonate, siltstone and quartz arenite

MIDDLE TO UPPER PROTEROZOIC

HEMATITE CREEK GROUP

P_{HC} — **Hematite Creek Group**, undivided: Medium to very thick bedded buff, orange, brown and grey weathering dolostone, interbedded with black, grey and maroon weathering shale, micaceous siltstone, nodular limestone and light grey weathering quartz arenite

MIDDLE PROTEROZOIC

PINGUICULA GROUP

P_{Pc} — **Unit C:** thin to very thick bedded and massive, grey weathering dolostone and limestone; abundant "zebra" texture and pods of coarse grained sparry dolomite

P_{Pb} — **Unit B:** medium bedded, orange weathering dolostone; minor grey weathering limestone and maroon weathering siltstone

P_{Pa} — **Unit A:** thin bedded, laminated, maroon, green and black weathering siltstone and shale

-UNCONFOMITY-

LOWER PROTEROZOIC

WERNECKE SUPERGROUP

P_{GL} — **Gillespie Lake Group:** orange, brown and grey weathering dolostone and silty dolostone

P_{GLb} — **Basal Gillespie Lake Group:** cross laminated, orange weathering silty to sandy dolostone interbedded with black weathering shale and grey to white weathering, quartzose, fine grained sandstone

P_Q — **Quartet Group:** black weathering shale, finely laminated dark grey weathering siltstone, and planar to cross laminated light grey weathering siltstone and very fine grained sandstone

P_{FL} — **Fairchild Lake Group**, undivided: thinly bedded, laminated to cross-laminated black to greenish-grey weathering siltstone and limy siltstone

P_{FLd} — orange-red weathering dolomite and dolomitic siltstone; siliceous breccia

P_{FLa} — grey weathering argillite and siltstone

P_{FLl} — grey-tan weathering, parallel laminated, silty limestone and micrite

P_{FLp} — green, grey and tan weathering "phyllite"

INTRUSIVE UNITS

MIDDLE PROTEROZOIC

P_{Wb} — **Wernecke Breccia**

EARLY PROTEROZOIC

$_EP_d$ — mafic to intermediate stocks and dykes; predominantly pyroxene diorite

SYMBOLS

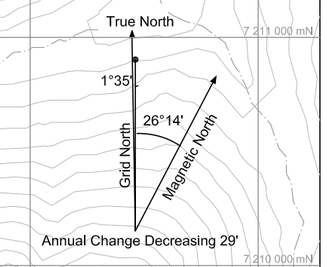
Vein

Contact (defined/inferred)

Fault (defined/inferred) - bar on downthrown side

Unconformity

Fold axis (anticline/syncline)



RAM

JACK FLASH

CIRQUE FAULT

JESSIE FAULT

IOTA FAULT

COBALT CREEK FAULT

LUMINA CREEK FAULT

PROPERTY BOUNDARY

7 211 000 mN
7 210 000 mN
7 209 000 mN
7 208 000 mN
7 207 000 mN
7 206 000 mN
7 205 000 mN
7 204 000 mN
7 203 000 mN
7 202 000 mN
7 201 000 mN
7 200 000 mN
7 199 000 mN

577 000 mE
578 000 mE
579 000 mE
580 000 mE
581 000 mE
582 000 mE
583 000 mE
584 000 mE

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY
LUMINA PROPERTY

0 0.5 1.0 1.5 km

UTM ZONE 8W, NAD 83, 106C14, 106F03

FILE: ...2006/YUP/LUMINA/F_5-GEO.DWG

DATE: FEBRUARY 2007

575 000 mE
580 000 mE
585 000 mE
590 000 mE
7 215 000 mN
7 210 000 mN
7 205 000 mN
7 200 000 mN
7 195 000 mN
7 190 000 mN

T.N.
1°35'
26°14'
Grid north
Magnetic north
Annual change decreasing 29'

Ram
Jack Flash
Rick James
Radioactive float train

STRATIFIED UNITS

PROTEROZOIC
- Pu — Undifferentiated

UPPER PROTEROZOIC
WINDERMERE SUPERGROUP
- PSH — Shezal Formation
- PSA — Sayunel Formation

MIDDLE TO UPPER PROTEROZOIC
- PHC — Hematite Creek Group

MIDDLE PROTEROZOIC
PINGUICULA GROUP
- PPc — Unit C
- PPb — Unit B
- PPa — Unit A

-UNCONFORMITY-

LOWER PROTEROZOIC
- PGL — Gillespie Lake Group
  - PGLb — Basal Gillespie Lake Group
- PQ — Quartet Group
- PFL — Fairchild Lake Group

INTRUSIVE UNITS

MIDDLE PROTEROZOIC
- PWb — Wernecke Breccia

EARLY PROTEROZOIC
- PPd — Stocks and dykes

SYMBOLS

- Contact
- Fault
- 0.5/15 — 2006 rock sample (U/Cu ppm)
- 150(0.21) — Radioactive showing - cps(%U3O8) 0 indicates data not available
- 0.5/15 — WJV silt sample (U/Cu ppm)
- 0.5/15 — WJV soil sample (U/Cu ppm)
- 0.5/15 — WJV rock sample (U/Cu ppm)

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATIONS

LUMINA PROPERTY

0 0.5 1 2 3 km

UTM ZONE 8W, NAD 83, 106C14, 106F03

FILE: ...2006/YUP/LUMINA/F_6-SAMP.WOR | DATE: FEBRUARY 2007

575 000 mE
580 000 mE
585 000 mE
590 000 mE
7 215 000 mN
7 210 000 mN
7 205 000 mN
7 200 000 mN
7 195 000 mN
7 190 000 mN

T.N.
1°35'
26°14'
Grid north
Magnetic north
Annual change decreasing 29'

Ram
Jack Flash
PROPERTY BOUNDARY

STRATIFIED UNITS

PROTEROZOIC

Pu Undifferentiated: platform limestone and feldspathic lithic arenite

UPPER PROTEROZOIC
WINDERMERE SUPERGROUP

PSH Shezal Formation: massive, green weathering diamictite containing rounded to subrounded pebbles and cobbles of carbonate, sandstone and (?)greenstone

PSA Sayunel Formation: thick bedded to massive, orange to brown weathering sandstone and conglomerate containing rounded to subrounded pebble to boulder sized clasts of carbonate, siltstone and quartz arenite

MIDDLE TO UPPER PROTEROZOIC
HEMATITE CREEK GROUP

PHC Hematite Creek Group, undivided: Medium to very thick bedded buff, orange, brown and grey weathering dolostone, interbedded with black, grey and maroon weathering shale, micaceous siltstone, nodular limestone and light grey weathering quartz arenite

MIDDLE PROTEROZOIC
PINGUICULA GROUP

PPc Unit C: thin to very thick bedded and massive, grey weathering dolostone and limestone; abundant "zebra" texture and pods of coarse grained sparry dolomite

PPb Unit B: medium bedded, orange weathering dolostone; minor grey weathering limestone and maroon weathering siltstone

PPa Unit A: thin bedded, laminated, maroon, green and black weathering siltstone and shale

-UNCONFORMITY-

LOWER PROTEROZOIC
WERNECKE SUPERGROUP

PGL Gillespie Lake Group: orange, brown and grey weathering dolostone and silty dolostone

PGLb Basal Gillespie Lake Group: cross laminated, orange weathering silty to sandy dolostone interbedded with black weathering shale and grey to white weathering, quartzose, fine grained sandstone

PQ Quartet Group: black weathering shale, finely laminated dark grey weathering siltstone, and planar to cross laminated light grey weathering siltstone and very fine grained sandstone

PFL Fairchild Lake Group, undivided: thinly bedded, laminated to cross-laminated black to greenish-grey weathering siltstone and limy siltstone

PFLd orange-red weathering dolomite and dolomitic sandstone; siliceous breccia

PFLa grey weathering argillite and siltstone

PFLl grey-tan weathering, parallel laminated, silty limestone and micrite

PFLp green, grey and tan weathering "phyllite"

INTRUSIVE UNITS

MIDDLE PROTEROZOIC

PWb Wernecke Breccia

EARLY PROTEROZOIC

EPd mafic to intermediate stocks and dykes; predominantly pyroxene diorite

SYMBOLS

Contact (defined/assumed/inferred)

Fault (defined/assumed/inferred)

2006 float sample (U(%)/Cu ppm)

2006 rock sample (U(%)/Cu ppm)

2006 chip sample (U(%)/Cu ppm)

WJV radioactive showing (cps/% U3O8)

WJV silt sample (U/Cu ppm)

WJV soil sample (U/Cu ppm)

WJV rock sample (U/Cu ppm)

TMI (nanoTesla)
59290
58810
58510
58460
58420
58390
58360
58320
58290
58270
58250
58230
58210
58200
58180
58170
58140
58120
58100
58080
58060
58050
58040
58030
58020
58010
58000
57980
57970
57960
57950
57940
57930
57920
57910
57900

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

AIRBORNE MAGNETICS
LUMINA PROPERTY

0 0.5 1 2 3 km
UTM ZONE 8W, NAD 83, 106C14, 106F03

FILE: ...2006/YUP/LUMINA/F_7-MAG.WOR | DATE: FEBRUARY 2007

575 000 mE
580 000 mE
585 000 mE
590 000 mE
7 215 000 mN
7 210 000 mN
7 205 000 mN
7 200 000 mN
7 195 000 mN
7 190 000 mN

T.N.
1°35'
26°14'
Grid north
Magnetic north
Annual change decreasing 29'

Ram
Jack Flash

STRATIFIED UNITS

PROTEROZOIC

Pu Undifferentiated: platform limestone and feldspathic lithic arenite

UPPER PROTEROZOIC
WINDERMERE SUPERGROUP

PSH Shezal Formation: massive, green weathering diamictite containing rounded to subrounded pebbles and cobbles of carbonate, sandstone and (?)greenstone

PSA Sayunel Formation: thick bedded to massive, orange to brown weathering sandstone and conglomerate containing rounded to subrounded pebble to boulder sized clasts of carbonate, siltstone and quartz arenite

MIDDLE TO UPPER PROTEROZOIC
HEMATITE CREEK GROUP

PHC Hematite Creek Group, undivided: Medium to very thick bedded buff, orange, brown and grey weathering dolostone, interbedded with black, grey and maroon weathering shale, micaceous siltstone, nodular limestone and light grey weathering quartz arenite

MIDDLE PROTEROZOIC
PINGUICULA GROUP

PPc Unit C: thin to very thick bedded and massive, grey weathering dolostone and limestone; abundant "zebra" texture and pods of coarse grained sparry dolomite

PPb Unit B: medium bedded, orange weathering dolostone; minor grey weathering limestone and maroon weathering siltstone

PPa Unit A: thin bedded, laminated, maroon, green and black weathering siltstone and shale

-UNCONFORMITY-

LOWER PROTEROZOIC
WERNECKE SUPERGROUP

PGL Gillespie Lake Group: orange, brown and grey weathering dolostone and silty dolostone

PGLb Basal Gillespie Lake Group: cross laminated, orange weathering silty to sandy dolostone interbedded with black weathering shale and grey to white weathering, quartzose, fine grained sandstone

PQ Quartet Group: black weathering shale, finely laminated dark grey weathering siltstone, and planar to cross laminated light grey weathering siltstone and very fine grained sandstone

PFL Fairchild Lake Group, undivided: thinly bedded, laminated to cross-laminated black to greenish-grey weathering siltstone and limy siltstone

PFLd orange-red weathering dolomite and dolomitic sandstone; siliceous breccia

PFLa grey weathering argillite and siltstone

PFLl grey-tan weathering, parallel laminated, silty limestone and micrite

PFLp green, grey and tan weathering "phyllite"

INTRUSIVE UNITS

MIDDLE PROTEROZOIC

PWb Wernecke Breccia

EARLY PROTEROZOIC

EPd mafic to intermediate stocks and dykes; predominantly pyroxene diorite

SYMBOLS

Contact (defined/assumed/inferred)

Fault (defined/assumed/inferred)

150 WJV radioactive showing (cps/% U3O8)

ppm eU
210.1
28.8
26.0
24.8
23.6
23.0
22.2
21.6
21.0
20.2
19.6
19.0
18.4
17.8
17.2
16.6
16.2
15.4
14.8
14.2
13.4
12.8
12.0
11.4
10.8
10.0
9.4
8.8
8.0
7.4
6.8
6.0
5.2
4.6
4.0
3.2
2.6
1.8
1.2
0.6
0.2

CASH MINERALS LTD.
TWENTY-SEVEN CAPITAL CORP.

FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
AIRBORNE RADIOMETRICS
-APPARENT URANIUM CONCENTRATION-
LUMINA PROPERTY

0 0.5 1 2 3 km
UTM ZONE 8W, NAD 83, 106C14, 106F03

FILE: ...2006/YUP/LUMINA/F_8-RAD.WOR | DATE: FEBRUARY 2007

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Fog 1-45, Rain 1-24, Sun 1-118 and W 125-259 mineral claims on Claim Sheet 106C/14 and 106F/3 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 17th day of March 2007.

Notary Public, Yukon Territory

Statement of Expenditures
Fog 1-45, Rain 1-24, Sun 1-118 and W 125-259
March 16, 2007

Contract Radiometric Survey

McPhar Geosurveys Ltd. 1743 line km total radiometric survey $155,137.36

Lumina property was 1178 line km or $104,549.09

Lumina property includes 2 Pterd, 10 U, 14 V, 259 W, 45 Fog, 24 Rain and 118 Sun claims or $221.50/claim.

Filing on 135 W claims, 45 Fog claims, 24 Rain claims and 118 Sun claims.

McPhar Geosurveys Ltd.
1256B Kerrisdale Boulevard
Newmarket, ON
L3Y 8Z9

Invoice

Number: MCP0617.01
Date: 8/14/06
Terms: Due on receipt

To:

Archer Cathro & Associates (1981) Ltd.
Doug Eaton
510 West Hastings Street, Suite 1016
Vancouver, B.C.
V6B 1L8

Job Site:

Gamma Spectrometer Survey
Wernecke Area Projecy

Rep: TRB

Description	*Amount*
Contract for Helicopter-borne Radiometric Survey as per contract Schedule A, Pricing & Payments	
Mobilization & demobilization charge	8,500.00
Data Acquisition	33,930.00
estimated 1,885 line-km @$72.00 = $135,720.00	
1st payment payable on signing of the contract 25%	
$135,720.00 x 25% = $33,930.00	
Subtotal	42,430.00

Business Number: 862715240

pd AUGUST 16, 2006
#8172

Please make payment by Telegraphic Bank Transfer to:

McPhar Geosurveys Ltd.
Bank of Montreal
1111 Davis Drive
Newmarket, Ontario
Canada L3Y 8Z9
Tel: 1.905.853.2744
CDN$ Account # 39562.001.1027.762
SWIFT CODE: BOFMCAM2

GST	2,545.80
Total Due	**Can$44,975.80**

Tel: 905-830-6880
Fax: 905-898-0336
E-mail: info@mgssurveys.com
Web Site: www.mgssurveys.com

Susanne Hall
Administrative Manager

McPhar Geosurveys Ltd.
1256B Kerrisdale Boulevard
Newmarket, ON
L3Y 8Z9

Invoice

Number: MCP0617.02
Date: 9/06/06
Terms: Due on receipt

To:

Archer Cathro & Associates (1981) Ltd.
Doug Eaton
510 West Hastings Street, Suite 1016
Vancouver, B.C.
V6B 1L8

Job Site:

Gamma Spectrometer Survey
Wernecke Area Projecy

Rep: TRB

Description	*Amount*
Contract for Helicopter-borne Radiometric Survey as per contract Schedule A, Pricing & Payments	
Data Acquisition estimated 1,885 line-km @$72.00 = $135,720.00 2nd progress payment due on completion of mobilization and first day's data acquisition *as confirmed by H. T. Andersen with Client* $135,720.00 x 20% = $27,144.00	27,144.00
Subtotal	**27,144.00**
Business Number: 862715240	

Please make payment by Telegraphic Bank Transfer to:

McPhar Geosurveys Ltd.
Bank of Montreal
1111 Davis Drive
Newmarket, Ontario
Canada L3Y 8Z9
Tel: 1.905.853.2744
CDN$ Account # 39562.001.1027.762
SWIFT CODE: BOFMCAM2

a/yp
pd SEPTEMBER 12, 2006
#8346

GST	1,628.64
Total Due	**Can$28,772.64**

Tel: 905-830-6880
Fax: 905-898-0336
E-mail: info@mgssurveys.com
Web Site: www.mgssurveys.com

Susanne Hall
Administrative Manager

McPhar Geosurveys Ltd.
1256B Kennisdale Boulevard
Newmarket, ON
L3Y 8Z9

Invoice

Number: MCP0617.03
Date: 9/18/06
Terms: Due on receipt

To:

Archer Cathro & Associates (1981) Ltd.
Doug Eaton
510 West Hastings Street, Suite 1016
Vancouver, B.C.
V6B 1L8

Job Site:

Gamma Spectrometer Survey
Wernecke Area Projecy

Rep: TRB

Description	*Amount*
Contract for Helicopter-borne Radiometric Survey as per contract Schedule A, Pricing & Payments	
Data Acquisition estimated 1,885 line-km @$72.00 = $135,720.00 Invoice for 3rd payment on completion of 50% of survey flying $135,720.00 x 20% = $27,144.00	27,144.00
Data Acquisition estimated 1,885 line-km @$72.00 = $135,720.00 Invoice for 4th payment on completion of ALL survey flying $135,720.00 x 25% = $33,930.00 as per daily report September 15th	33,930.00
Standby charges as per contract Schedule A, A3 Standby 2 days @ $6,000.00 per day 2 x $6,000.00 = $12,000.00	12,000.00
Subtotal	73,074.00

Business Number: 862715240

pd SEPTEMBER 21, 2006

#8390

Please make payment by Telegraphic Bank Transfer to:

McPhar Geosurveys Ltd.
Bank of Montreal
1111 Davis Drive
Newmarket, Ontario
Canada L3Y 8Z9
Tel: 1.905.853.2744
CDN$ Account # 39562.001.1027.762
SWIFT CODE: BOFMCAM2

GST	4,384.44
Total Due	**Can$77,458.44**

Tel: 905-830-6880
Fax: 905-898-0336
E-mail: info@mgssurveys.com
Web Site: www.mgssurveys.com

Susanne Hall
Administrative Manager

McPhar Geosurveys Ltd.
1256B Kennisdale Boulevard
Newmarket, ON
L3Y 8Z9

Invoice

Number: MCP0617.04
Date: 11/29/06
Terms: Due on receipt

To:

Archer Cathro & Associates (1981) Ltd.
Doug Eaton
510 West Hastings Street, Suite 1016
Vancouver, B.C.
V6B 1L8

Job Site:

Gamma Spectrometer Survey
Wernecke Area Projecy

Rep: TRB

Description	*Amount*
Contract for Helicopter-borne Radiometric Survey as per contract Schedule A, Pricing & Payments	
Data Acquisition estimated 1,885 line-km @$72.00 = $135,720.00 Final invoice 10% due upon delivery of Final report $135,720.00 x 10% = $13,572.00	13,572.00
Adjustment to final billing as per contract Schedule A, Pricing & Payments	-9,864.00
"the line-km charges will be adjusted if the amount of surveying is less or greater than as stated" Original contract 1885 line-km less actual 1748 line-km (as per final report) 137 line-km @$72.00 = $9,864.00 CREDIT	
Subtotal	3,708.00
Business Number: 862715240	

Please make payment by Telegraphic Bank Transfer to:

McPhar Geosurveys Ltd.
Bank of Montreal
1111 Davis Drive
Newmarket, Ontario
Canada L3Y 8Z9
Tel: 1.905.853.2744
CDN$ Account # 39562.001.1027.762
SWIFT CODE: BOFMCAM2

GST	222.48
Total Due	**Can$3,930.48**

Tel: 905-830-6880
Fax: 905-898-0336
E-mail: info@mgssurveys.com
Web Site: www.mgssurveys.com

Susanne Hall
Administrative Manager

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8
Telephone: 604-688-2568 Fax: 604-688-2578

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Pterd 7 and 12F, U 1-7 and 10-12, V 1-14 and W 1-124 mineral claims on Claim Sheet 106C/14 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.

this 17th day of March 2007.

Notary Public, Yukon Territory

Statement of Expenditures
Pterd 7, 12F, U 1-7, 10-12, V 1-14 and W 1-124 Mineral Claims
March 16, 2007

Contract Diamond Drilling

Coretech Diamond Drilling	$311,249.79
Superior Diamond Drilling Inc.	129,451.61
	$440,701.40

Holes LO6 1-14 plus LO 17-19 all drilled on U 10	$367,659.08
Holes LO6 15-16 both drilled on U 11	46,179.06
Holes RO6 1-3 all drilled on W 34	26,863.26
	$440,701.40

CORETECH DIAMOND DRILLING
2016 West Bench Dr. Penticton, B.C. V2A8Z3
Phone 250-493-9467 Fax 250-493-1602
G.S.T. 128208566

MAR 20 2007

A ft

OUR NUMBER 013506
DATE JULY 5, 2006
CUSTOMER'S ORDER

SOLD TO LUMINA CASH MINERALS
ADDRESS 1016 - 510 W. HASTINGS
VANCOUVER BC
V6B-1L8

SHIP TO
ADDRESS

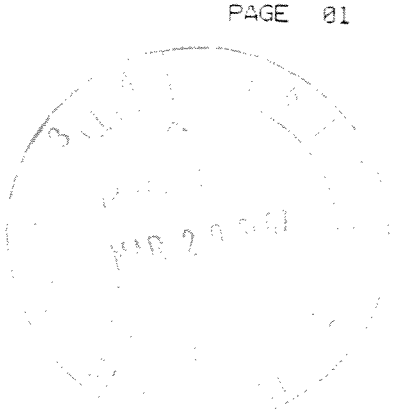
TAX REG. NO.	SALESPERSON	FOB	TERMS	VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	JUNE 13-19TH HOLE# LO-601 ON V10		
	① CHARGEABLE MAN HOURS 230@$50.00 per hour		11500.00
	② CHARGEABLE DRILL TIME 35 hrs @$85.00 per hour		2,975.00
	③ FOOTAGE 95m @ 80.00 per foot		7,600.00
	MATERIALS CONSUMED		
(28)	10' BTW DRILL RODS @ 155.25 rod		4347.00
(1)	CORE BARREL COMPLETE		1,178.84
(1)	BTW BIT @ $331.20		331.20
			27931.04
	7% G.S.T.		1955.17
			29886.20
	paid July 19 2006		
	#33		
		GST	
		PST	
		TOTAL	

Blueline DC171

INVOICE

CORETECH DIAMOND DRILLING
2016 West Bench Dr. Penticton, B.C. V2A8Z3
Phone 250-493-9467 Fax 250-493-1602
G.S.T. 128208566



OUR NUMBER 013507
DATE JULY 5, 2006
CUSTOMER'S ORDER

A/C

SOLD TO LUMINA CASH MINERALS
ADDRESS 1016-510 W. HASTINGS
VANCOUVER, B.C.
V6B-1L8

SHIP TO
ADDRESS

TAX REG. NO. | SALESPERSON | FOB | TERMS | VIA

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	HOLE # LO-602 OR U10		
	JUNE 19-28, 2006		
	① CHARGEABLE MAN HOURS 204 @ $50.00		10200.00
	② CHARGEABLE DRILL TIME 7HRS @ 85.00		595.00
	③ MACHINE TIME (2 SHIFTS) @ $950 per shift		1900.00
	④ MACHINE TIME 37HRS @ $85.00 per hour		3145.00
	MATERIALS CONSUMED.		
①	PAIL EXTREME #1 @ $205.00		205.00
③	PAILS EXTREME GOLD @ $200.00		600.00
③	PAILS EXTREME BLUE @ $200.00		600.00
①	BW CASING SHOE @ $170.20		170.20
	⑤ FOOTAGE 380.65m @ $80.00 per m.		30452.00
			47867.20
		GST	3356.70
	pd July 13, 2006 -		51217.90
	# 33 Payment		20000.00
	TOTAL - 6445.18	GST	
		PST	
		TOTAL	31217.90

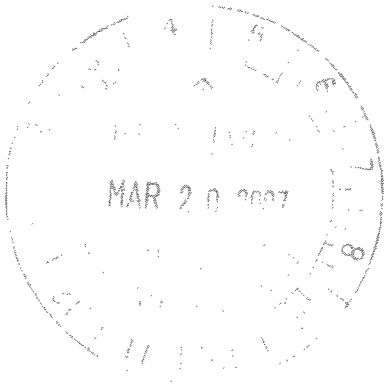
Blueline DC171

INVOICE

CORETECH

DIAMOND DRILLING

2016 West Bench Dr. Penticton, B.C. V2A-8Z3
Phone 250-493-9467
Fax 250-493-1602



Invoice # 013508

LUMINA
AA **Cash Minerals**
1016-510 Hastings
Vancouver, B.C.
V6B-IL8

June 29-June 30th
Holes "LO- 605 & 606" ON 610

Chargeable Man Time	**36 hrs.**	**$ 50.00 per hr.**	**$1,800.00**
Chargeable Drill Time	**6 hrs.**	**$ 85.00 per hr.**	**510.00**
Footage 96.92m		**$ 80.00 per m.**	**7,753.60**

Materials Consumed

"38" 10ft BTW Drill Rods	**$ 155.25**	**5,899.50**
"1" Core barrel complete	**$1,178.84**	**1,178.84**
Subtotal		**17,141.94**
6% G.S.T.		**1,028.51**
TOTAL		**$18,170.45**

(G.S.T. # 128209566)

pd July 24, 2006
#36

TOTAL - $53257.03

CORETECH

DIAMOND DRILLING
2016 West Bench Dr. Penticton, B.C. V2A-8Z3
Phone 250-493-9467
Fax 250-493-1602

Invoice # 013509

LUMINA
A/C **Cash Minerals**
1016-510 Hastings
Vancouver, B.C.
V6B-IL8

July 1st—July 11th
Holes "LO- 607, 608, 609" ON U/O

Chargeable Man Time	**362 hrs.**	**$ 50.00 per hr.**	**$18,100.00**
Chargeable Drill Time	**87 hrs.**	**$ 85.00 per hr.**	**7,395.00**
Machine Time (Standby-shifts)	**8**	**$950.00**	**7,600.00**
Footage 357.46m		**$ 80.00 per m.**	**28,596.80**

Materials Consumed

"1" 10ft Drill Rod	**$ 155.25**	**155.25**
"1" Extreme Blue	**$ 200.00**	**200.00**
"1" Extreme Gold	**$ 200.00**	**200.00**
"1" Pail Rod Grease	**$ 103.50**	**103.50**
"1" Pail "G" Stop	**$ 240.00**	**240.00**
"3" BW Casing Shoe	**$ 170.00**	**510.00**
Subtotal		**$63,100.55**
Payment		**30,000.00**
	pd July 24, 2006	**33,100.55**
6% G.S.T.		**1,986.03**
TOTAL	# 36	**$35,086.58**

(G.S.T. # 128209566)

CORETECH

DIAMOND DRILLING

2016 West Bench Dr. Penticton, B.C. V2A-8Z3
Phone 250-493-9467
Fax 250-493-1602
(G.S.T. # 128209566)

Invoice # 013510
AM ***LUMINA***
Cash Minerals
1016-510 Hastings
Vancouver, B.C. V6B-IL8

July 17th-August 6th, 2006
Holes "LO- 610, 606-A, 611, 612" ALL ON U10

Chargeable Man hours	**370 hrs.**	**$ 50.00 per hr.**	**$18,500.00**
Chargeable Machine hours	**169 hrs.**	**$ 85.00 per hr.**	**14,365.00**
Footage 447.13m		**$ 80.00 per m.**	**35,777.40**

Materials Consumed

Water Pump "4" days	**150.00**	**600.00**
"1" BTW 10' rod	**155.25**	**155.25**
"1" Core barrel complete	**1,178.84**	**1,178.84**
"5" BTW Drill Bits	**331.20**	**1,656.00**
"1" BTW Head Assembly	**1,377.55**	**1,377.55**
"1" BTW 10' Innertube	**181.91**	**181.91**
"37" BTW 5' Rods	**104.65**	**3,872.05**
"1" BW Casing Shoe	**170.00**	**170.00**
"1" Extreme Blue	**200.00**	**200.00**
"1" Extreme Gold	**200.00**	**200.00**
"1" BW Casing Shoe	**170.00**	**170.00**
Subtotal		**$78,404.00**
6% G.S.T.		**4,704.24**
		$83,108.24
Payment		**20,000.00**
TOTAL		**$63,108.24**

pd AUGUST 15, 2006
#3

CORETECH

DIAMOND DRILLING

2016 West Bench Dr. Penticton, B.C. V2A-8Z3
Phone 250-493-9467
Fax 250-493-1602
(G.S.T. # 128209566)

Invoice # 013511
LUMINA
Cash Minerals
1016-510 Hastings
Vancouver, B.C. V6B-IL8

August 7th-30th 2006
Holes "LO- 611,613,614,618,619" ALL ON U10

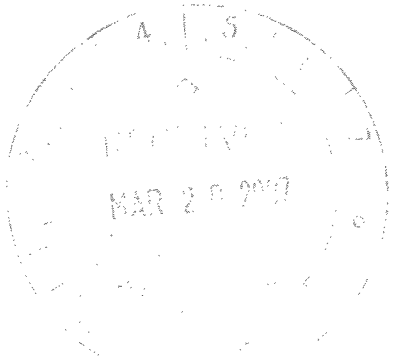
Chargeable Man hours	694 hrs.	$ 50.00 per hr.	$34,700.00
Chargeable Machine hours	126.5 hrs.	$ 85.00 per hr.	10,752.50
Footage 562.57m		$ 80.00 per m.	45,005.60

Materials Consumed

Water Pump "16" days	150.00	2,400.00
"80" BTW 5'rods	87.40	6,992.00
"2" Core barrel complete	1,178.84	2,357.68
"1" Reaming Shell	293.25	293.25
"1" BTW Head Assembly	1,377.55	1,377.55
"1" BTW 5' Innertube	151.65	151.65
"5" Hobic 12-14 Bits	373.00	1,865.00
"2" BW Casing Shoe	170.20	340.40
"1" Extreme Blue	200.00	200.00
"1" Extreme Gold	200.00	200.00
"1" BTW 10' rod	155.25	155.25
"2" 5' BW casing	145.18	290.37
"1" Roll Enviromat	258.75	258.75
Subtotal		107,340.00

pd SEPTEMBER 7, 2006
#0014

Subtotal		**107,340.00**
6% G.S.T.		**6,440.40**
Subtotal		**113,780.40**
Payment		**50,000.00**
Shipping and Handling		**2,158.33**
as per receipts (includes G.S.T.)	121.23	**65,938.73**



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Superior Diamond Drilling Inc
3509 Witt Place
Peachland BC
VOH 1X2
PH 250-767-6223 Fax: 250-767-6237

Invoice 314952
Date Aug 16,2006

AP

Sold to CASH MINERALS LTD.
Address 1016 - 510 West Hastings St.
Vancouver B.C. V6B 1L8

Quanity	Description	Amount
	PROYECT LUMINA	
	July 30th. To Aug 11, 2006	
	DDH L-06-15 140.55Meter @ $80.00 > ON U11	11,244.00
	DDH L-06-16 167.68Meter @ $80.00	13,414.40
	Machine hours 74 @ $85.00	6,290.00
	Man hours 237 @ $50.00	11,850.00
2	Extreme #1 @ $205.00ea.	410.00
1	Pail G-Stop	239.25
1	Rod Grease	117.50
	Sub Total	43,565.15
	GST	2,613.91
	Total	$ 46,179.06

Pd Aug 17, 2006 #6

GST # 8452 54747

Superior Diamond Drilling Inc
3509 Witt Place
Peachland BC
VOH 1X2
PH 250-767-6223 Fax: 250-767-6237

MAR 29 2007

Invoice 314953

Date Aug - 27-2006

A M

Sold to :CASH MINERALS LTD.

Address 1016 - 510 West Hastings St.
Vancouver B.C. V6B 1L8

Quantity	Description	Amount
	PROJECT LUMINA	
	Aug 11 to Aug 23th. -2006	
	DDH L - 06 - 17 210.36Meter @ $80.00 ON U10	16,828.80
	DDH R - 06 - 01 91.46Meter @ $80.00	7,316.80
	DDH R - 06 - 02 91.46Meter @ $80.00 ON W34	7,316.80
	DDH R - 06 - 03 64.02Meter @ $80.00	5,121.60
	Man hours 388 @ $50.00	19,400.00
	Machine hours 88.5 @ $85.00	7,522.50
6	Extreme # 1 @ $205.00 each	1,230.00
2	Rod Grease @ $117.50 each	235.00
136	BTW Rods 5' @ $ 91.00 each	12,376.00
1	BTW Bit	385.00
1	BTW Reaming Shell	373.75
1	Corebarrel	194.56
1	BTW Locking coupling	186.94
1	BTW Adapter (10')	71.26
	Sub Total	78,559.01
	GST	4,713.54
	Total	$ 83,272.55

pd AUGUST 29, 2006

#9

L-06-17 on AM U10 - TOTAL - 56 409.29

R-06-01, R-06-02, R-06-03 on AM W34 TOTAL - 26863.26.

GST # 8452 54747

AGGRESSIVE
DIAMOND DRILLING LTD.
3105 TOPHAM RD.
KELOWNA, BRITISH COLUMBIA V1Z 2J5

MAR 2 0 2007

INVOICE

Invoice No.: 1038
Date: 08/16/2006
Page: 2

Sold To:
CASH MINERALS LTD.

Ship To:
CASH MINERALS LTD.
1016 - 510 W. Hastings. St.
Vancouver, BC
V6B 1L8

Business No.: 898228895

Item No.	Quantity	Unit	Description	Tax	Unit Price	Amount
29.			Freight - second load	G		4,000.00
30.			Labour	G		7,000.00
			Subtotal:			52,785.20
			G - GST 6%			
			GST			3,167.11
AGGRESSIVE GST: #898228895						

Comments

Tele: 250-769-0487, Fax: 250-769-0497

Freight	0.00
Total Amount	55,952.31

AGGRESSIVE
DIAMOND DRILLING LTD.
3105 TOPHAM RD.
KELOWNA, BRITISH COLUMBIA V1Z 2J5

MAR 2 0 2007

INVOICE

Invoice No.: 1038
Date: 08/16/2006
Page: 1

Sold To:
CASH MINERALS LTD.

Ship To:
CASH MINERALS LTD.
1016 - 510 W. Hastings. St.
Vancouver, BC
V6B 1L8

Business No.: 898228895

Item No.	Quantity	Unit	Description	Tax	Unit Price	Amount
1.	1	Each	Lister Petter FMC 420 Water pump with hoses	G	5,000.00	5,000.00
2.	2	Each	Waterline surge bottles with fittings	G	900.00	1,800.00
3.	5,019	Each	2' SCH 40 black pipe (21 ft. lengths)	G	3.50	17,566.50
4.	241	Each	2" 7001 STD. "victaulic" type couplings	G	25.00	6,025.00
5.	121	Each	2" 77 STD. victaulic type couplings	G	35.00	4,235.00
6.	288	Each	Day/East 1" double wire hose	G	1.00	288.00
7.	8	Each	Day/East female JIC swivel hose coupling	G	14.50	116.00
8.	4	Each	Parker male pipe straight x male JIC	G	4.50	18.00
9.	2	Each	Parker male pipe branch tee xmale JIC	G	18.50	37.00
10.	4	Each	Pacific female JIC x male JIC straight adapter	G	9.00	36.00
11.	12	Each	2" gruvlok 45 degree elbow	G	50.00	600.00
12.	9	Each	2" gruvlok 22-1/2 degree elbow	G	60.00	540.00
13.	4	Each	2" victaulic 45 degree elbow	G	50.00	200.00
14.	4	Each	11/16 deep socket	G	13.00	52.00
15.	3.85	Feet	1/2 C1018 CR RB	G	2.00	7.70
16.	6	Each	Coupling 2 malleable iron pipe fitting	G	6.50	39.00
17.	6	Each	Bush 2 x 1 malleable iron fitting	G	3.50	21.00
18.	6	Each	SCH. 40 nipple	G	2.50	15.00
19.	3	Each	Parker female pipe x female pipe tee	G	30.00	90.00
20.	3	Each	Parker male pipe x male pipe straight	G	8.00	24.00
21.	3	Each	MP filtri hi-press ball valve	G	70.00	210.00
22.	3	Each	Parker male pipe straight x male JIC	G	5.00	15.00
23.	6	Each	2 SCH 20 pipe	G	5.00	30.00
24.	4	Each	1/2 C1018 CR RB	G	2.00	8.00
25.	3	Each	3/16x3 HR FB	G	1.00	3.00
26.	32	Each	1x1x.100 HSS per ft.	G	2.00	64.00
27.			Misc. consumables and supplies	G		45.00
28.			Trucking - first load	G		4,700.00

Comments
Tele: 250-769-0487, Fax: 250-769-0497

Continued...