MAP NO.:			
106D/07	ASSESSMENT REPORT	X	DOCUMENT NO: 092942
	PROSPECTUS		MINING DISTRICT: Mayo
	CONFIDENTIAL	X	TYPE OF WORK: Geology, geochemistry, diamond drilling
	OPEN FILE		

REPORT FILED UNDER: NDU Resources Ltd./ Billiton Metals Canada Ltd.

DATE PERFORMED: May 15 to December 15, 1990 **DATE FILED:** April 16, 1991

LOCATION: **LAT.:** 64°24'N **AREA:** Mount Williams

LONG.: 134°40'W **VALUE $:** 25575.00

CLAIM NAME & NO.: BLENDE 1-128, FR. 1-28, YA 43524 - YA 43538; YB 02529 - YB 02569; YB 02700 - YB 02709; YB 03051 - YB 03106; YB 03863 - YB 03868; YB 03969 - YB 03896

WORK DONE BY: W.D. Eaton

WORK DONE FOR: NDU Resources Ltd./Billiton Metals Canada Ltd.

DATE TO GOOD STANDING:

REMARKS: MINFILE #106D -064 BRAINE
Exploration in 1990 consisted of geological mapping, water quality baseline surveys, and 3659.7 metres of diamond drilling in 15 holes. All holes intersected mineralization and each produced at least one significant interval. One of the better intersections was in Hole 90-9 with 7.1% lead, 8.2 % zinc and 118.6g/t silver over 11.91 metres.

Summarized May 6/91

Indexed May 8/91

ARCHER, CATHRO
& ASSOCIATES (1981) LIMITED
CONSULTING GEOLOGICAL ENGINEERS

1016-510 WEST HASTINGS STREET
VANCOUVER, B. C. V6B 1L8

(604) 688-2568

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
APR 15 1991
WHITEHORSE
YUKON TERRITORY

ASSESSMENT REPORT

BLENDE 1 TO 128 AND FR.1 TO FR.28 CLAIMS
YA43524-YA43538
YB02529-YB02569
YB02700-YB02709
YB03051-YB03106
YB03863-YB03868
YB03869-YB03896

RECEIVED
APR 12 1991
MINING RECORDER
MAYO, Y.T.
I.A. & N.D.

MAYO MINING DISTRICT

Latitude 64°24'N; Longitude 134°40'W

NTS 106D/7

NDU RESOURCES LTD.

BILLITON METALS CANADA INC.

March, 1991

W. D. Eaton, B.A.,B.Sc.

For work conducted between May 15 and December 15, 1990

BOX 4127, 3125 THIRD AVENUE, WHITEHORSE, Y. T. Y1A 3S9

(403) 667-4415

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 25,575.00 .

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

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
LOCATION, CLAIM STATUS, ACCESS AND INFRASTRUCTURE	3
GEOMORPHOLOGY	5
REGIONAL GEOLOGY	6
PROPERTY GEOLOGY	8
PROPERTY MINERALIZATION	11
1990 DIAMOND DRILLING	17
GENERAL	17
RESULTS	18
CONCLUSIONS	20
REFERENCES	21

TABLES

1	Significant Drill Intersections, Blende Property	Following 18

APPENDICES

I	Author's Statement of Qualifications	In Text
II	List of Personnel	In Text
III	Certificates of Analysis	In Pocket
IV	1990 Drill Logs	In Pocket
V	Water Quality Investigation at the Blende Claims by J.E. Gibson, October, 1990	In Pocket

LIST OF FIGURES

NUMBER		LOCATION
1	Location Map	Following Page 3
2	Claim Location	Following Page 3
3	Claim Map and Drill Hole Locations	In Pocket
4	Geology and Mineralization	Following Page 8
5	Geological and Geochemical Compilation	In Pocket
6	Geology	In Pocket
7	Stratigraphic Column	Following Page 8
8	Geological Cross Section	Following Page 8
9	Detailed Geology and Mineralization (West Sheet)	In Pocket
10	Detailed Geology and Mineralization (East Sheet)	In Pocket
11	Cross Section 9900E	In Pocket
12	Cross Section 10000E	In Pocket
13	Cross Section 10100E	In Pocket
14	Cross Section 10200E	In Pocket
15	Cross Section 10250E	In Pocket
16	Cross Section 10300E	In Pocket
17	Cross Section 10350E	In Pocket
18	Cross Section 10400E	In Pocket
19	Cross Section 10500E	In Pocket

INTRODUCTION

The Blende silver-lead-zinc property is owned 100% by NDU Resources Ltd. (NDU) and was optioned to Billiton Metals Canada Inc. (Billiton) on October 5, 1989. To earn a 50% interest in the property, Billiton must spend a total of $4,000,000 on exploration and make cash payments totalling $300,000 (to repay NDU for its 1988 exploration costs) prior to December 31, 1991. To date, $300,000 in cash payments have been made and $1,500,000 has been spent on exploration, including the $1,000,000 drill program described in this report.

The property was first staked as the Will 1-60 claims by Cyprus Anvil Mining Corporation in July, 1975 after lead-zinc mineralization was discovered while following up anomalous stream sediment samples. The claims were explored later that year with reconnaissance sampling, geological mapping and prospecting (Roberts and Dean, 1975). Although Cyprus Anvil recognized the deposit had considerable grade and tonnage potential, the claims were dropped when the company's focus shifted to stratiform shale-hosted deposits.

Archer, Cathro & Associates (1981) Limited restaked the main area of interest as the Blende 1-15 claims in March, 1981 and that summer collected several rock samples during a brief examination to evaluate silver potential. In 1982, further rock and chip sampling was conducted along with some peripheral prospecting and an airphoto interpretation of linear structures. More systematic chip sampling and hand trenching were done during 1984 in a joint venture with Norvista Development Ltd. (Cathro and Carne, 1984).

NDU acquired the claims in 1986 and explored by prospecting and three diamond drill holes totalling 718 m in 1988. Upon receipt of favourable drill results, the property was enlarged to 66 claims, a hand trench was dug, aerial photographs were flown and ore mineralogy was studied. In 1989, NDU mobilized a ripper-equipped D-7F bulldozer and a Longyear 38 diamond drill to the property,

constructed a 15 man camp, built 9 km of four-wheel drive roads, staked 56 additional claims, and conducted geological mapping, grid soil sampling and VLF-EM and magnetic surveys. This work traced the mineralization intermittently over a 6 km strike length and outlined strong soil geochemical anomalies for silver, lead and zinc over the entire 4.8 km length of the grid (Eaton and Lister, 1989).

The 1990 work program was operated by Billiton with field management by Archer, Cathro. It consisted of additional camp construction, staking of 6 full claims and 28 fractional claims, detailed geological mapping, approximately 2 km of road construction, 3659.7 m of diamond drilling in 15 holes and water quality baseline surveys. The work was supervised by the author and his Statement of Qualifications appears in Appendix I. A list of personnel who worked on the project is in Appendix II.

LOCATION, CLAIM STATUS, ACCESS AND INFRASTRUCTURE

The Blende property is located in central Yukon at latitude 64°24'N and longitude 134°40'W on NTS map sheet 106D/7, as shown on Figure 1 on the following page. In 1990, 6 full claims and 28 fractional claims were added, bringing the total to 128 full claims and 28 fractional claims, all of which are registered with the Mayo Mining Recorder. Claim data is listed below while their locations are shown on Figure 2 (following Figure 1) and in greater detail on Figure 3 in the pocket.

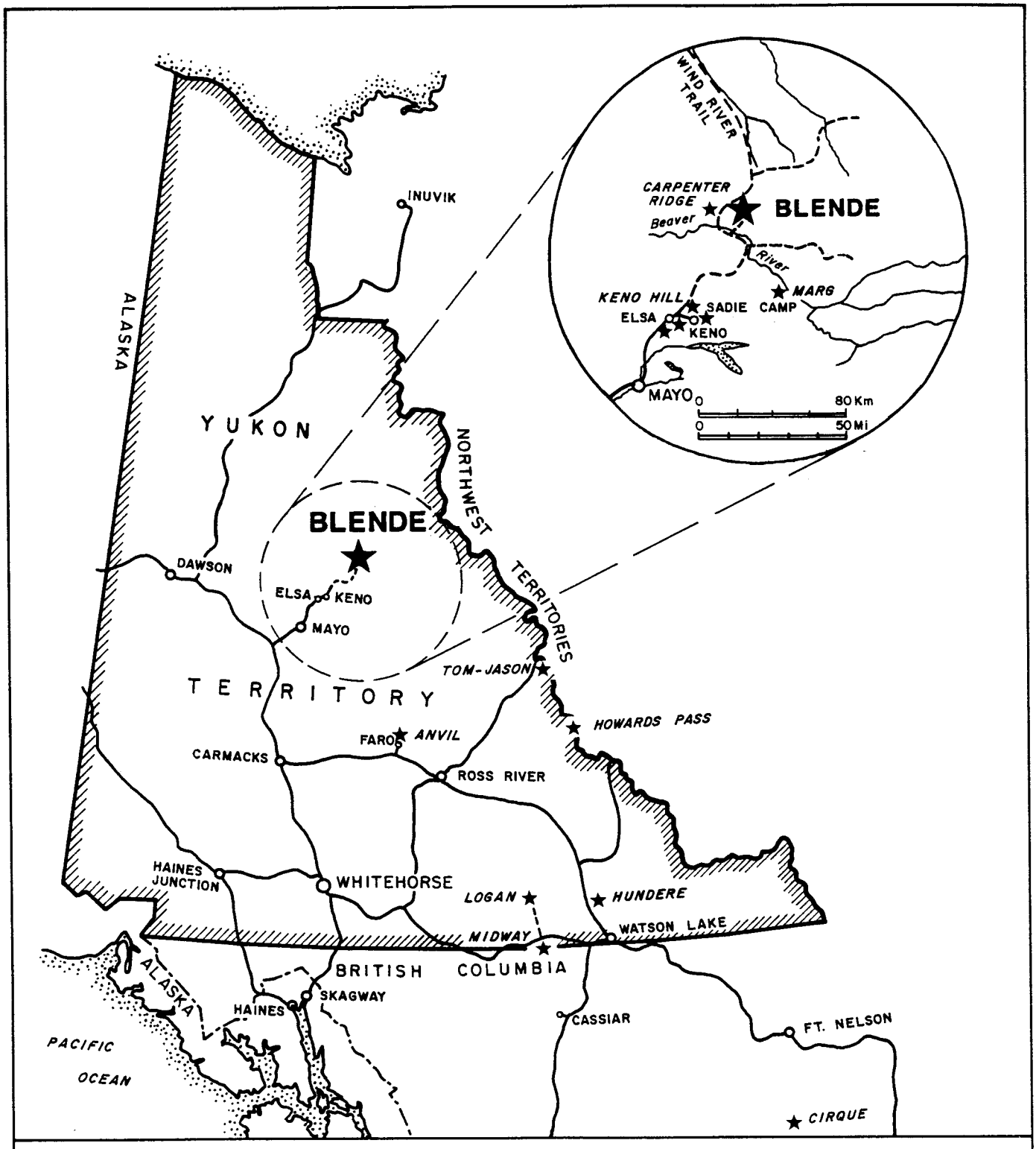
Claim Name	Total	Record Numbers	Expiry Date*
Blende 1- 15	15	YA43524-YA43538	March 11, 1998
16- 56	41	YB02529-YB02569	March 11, 1998
57- 66	10	YB02700-YB02709	March 11, 1998
67-122	56	YB03051-YB03106	March 11, 1998
123-128	6	YB03863-YB03868	March 11, 1994
Fr.1-Fr.28	28	YB03869-YB03896	March 11, 1994
	156		

*Includes 1990 assessment credits which have been filed but not yet accepted.

The claims lie 67 km northeast of the mining community of Elsa and are accessible by helicopter or a 70 km winter trail. The first 60 km of the land route follows the Wind River Trail, an established winter road that joins the government-maintained, all-weather road system at McQuesten Lake, some 20 km northeast of Elsa.

Approximately 9 km of four-wheel drive roads were built in 1989 from the camp to the main areas of interest on the property and another 2 km were built in 1990 to provide access to drill sites, as shown on Figure 3.

Total road distance from Blende to the seaport of Skagway, Alaska is about 729 km which compares favourably with other lead-zinc deposits in the Yukon and Northern B.C. such as: Faro (536 km), Logan (592 km), Hundere (706 km), Tom-Jason (777 km), Howards Pass (978 km), and Cirque (1216 km to the nearest seaport at Prince Rupert, B.C.). An under-utilized hydroelectric dam,



★ Major lead + zinc deposit

---- Winter trail

Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LOCATION MAP

BLENDE PROPERTY

NDU RESOURCES LTD.

BILLITON METALS CANADA INC.

0 50 100 150 200 Km

0 50 100 150 Miles

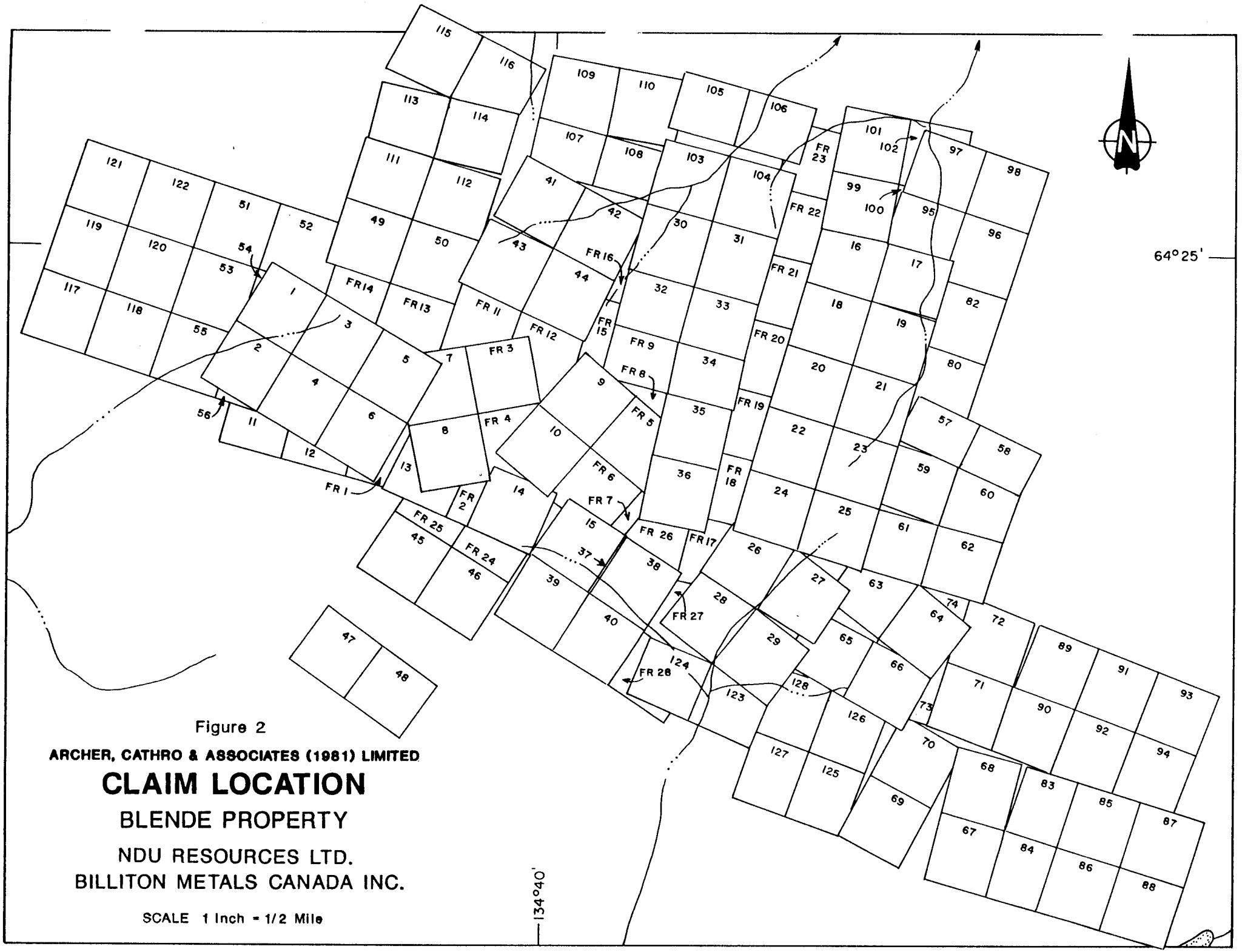


Figure 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

BLENDE PROPERTY

NDU RESOURCES LTD.
BILLITON METALS CANADA INC.

SCALE 1 Inch = 1/2 Mile

which formerly provided power to the United Keno Hill Mines Ltd. operation at Elsa is located near Mayo, some 110 km by road from the property.

The 1990 program was supported by a Bell 206B helicopter contracted from Trans North Air of Whitehorse. The machine was based at an expediting basecamp (Sadie Camp), 5 km north of Keno, and was shared with two other exploration programs, plus Geological Survey of Canada (GSC) and Department of Indian Affairs and Northern Development (DIAND) crews mapping in the area.

GEOMORPHOLOGY

The Blende property is centred on Mount Williams, a prominent peak in the southern Wernecke Mountains which form the divide between the Yukon River watershed to the south and MacKenzie River drainages to the north. Local elevations range from 1130 to 1875 m above sea level.

The area has undergone Pleistocene to Recent alpine glaciation and cirques are common at elevations above 1370 m. Outcrop is most abundant on steep, north-facing cirque walls, along ridge tops and in actively eroding creek cuts. South-facing hillsides are normally blanketed by talus. Frost action on over-steepened slopes has caused numerous landslides, the largest of which covers a 30,000 sq m area near the head of Dean Creek.

Treeline is at about 1300 m and aside from sparse grass and lichen, most of the property is unvegetated. Soil development is poor and usually consists of "C" horizon decomposed bedrock mixed with poorly developed "B" horizon material.

REGIONAL GEOLOGY

The Blende area lies immediately north of a regional-scale thrust fault (Kathleen Lakes Fault Zone) and is underlain by Middle to Late Proterozoic, Beltian- and Windermere-equivalent marine sediments capped by Early Paleozoic Mackenzie Platform strata (Roots, 1990).

The Middle Proterozoic shelf assemblage, known as the Wernecke Supergroup, was deposited during periodic extensional events outboard from an east-west trending continental margin that lay north of the present Wernecke Mountains. Mesozoic thrust and high angle faults displaced the Wernecke Supergroup sediments northward and upward so they are now exposed in an arc extending across the central Yukon from Alaska to the Northwest Territories.

The Wernecke Supergroup has been subdivided into the Fairchild Lake, Quartet, and Gillespie Lake Groups (Delaney, 1981). The Fairchild Lake Group is the oldest unit and consists of about 1000 m of deep water siltstone and mudstone. It is overlain by about 3000 m of Quartet Group, stagnant basin and shallow marine, interbedded quartzite and pelitic rocks. Both groups have been deformed locally and metamorphosed to slate and phyllite. The Gillespie Lake Group overlies the older groups and consists of a 1200 m thick sequence of interbedded clastic and carbonate sedimentary rocks that progressively transform from predominantly deep water mudstone to shallow water stromatolitic dolomite.

Extensional stresses following deposition of the Gillespie Lake Group created small local basins in which Late Proterozoic sedimentary rocks were deposited. In the Blende area, these strata include shale, dolomite, siltstone and minor sandstone that are stratigraphically equivalent to the Pinguicula Group which Eisbacher (1981) mapped about 40 km northeast of the property.

Paleozoic limestone and dolomite unconformably overlie the Proterozoic units and cap several ridges in the area.

A 75 km long, east-west trending belt of dioritic to gabbroic sills and dykes is developed along the north side of the Kathleen Lakes Fault Zone. These intrusions are probably Late Proterozoic in age as they intrude Gillespie Lake Group and some Pinguicula Group strata but do not cut the Paleozoic platform carbonates. More than one age of intrusion may be present.

The dominant structures are broad folds and south-dipping thrust faults which strike east-west and are related to the Late Mesozoic to Early Tertiary Laramide Orogeny. The folds generally plunge gently to the east and overprint at least one phase of earlier folding that affects the Proterozoic strata. Several generations of high angle faults have been recognized, ranging from Middle Proterozoic age structures that cut only Wernecke Supergroup rocks to relatively recent structures that postdate the Laramide Orogeny thrust faults.

PROPERTY GEOLOGY

Figure 4 on the following page shows simplified property geology while Figure 5 in the pocket is a 1:10,000 scale compilation map illustrating property geology, mineralization and geochemical results. Figure 6, also in the pocket, is a 1:5,000 scale outcrop geology map covering the central part of the property. The maps have been revised to incorporate results of the 1990 program but are primarily based on earlier GSC, DIAND and Archer, Cathro mapping, as listed in the references.

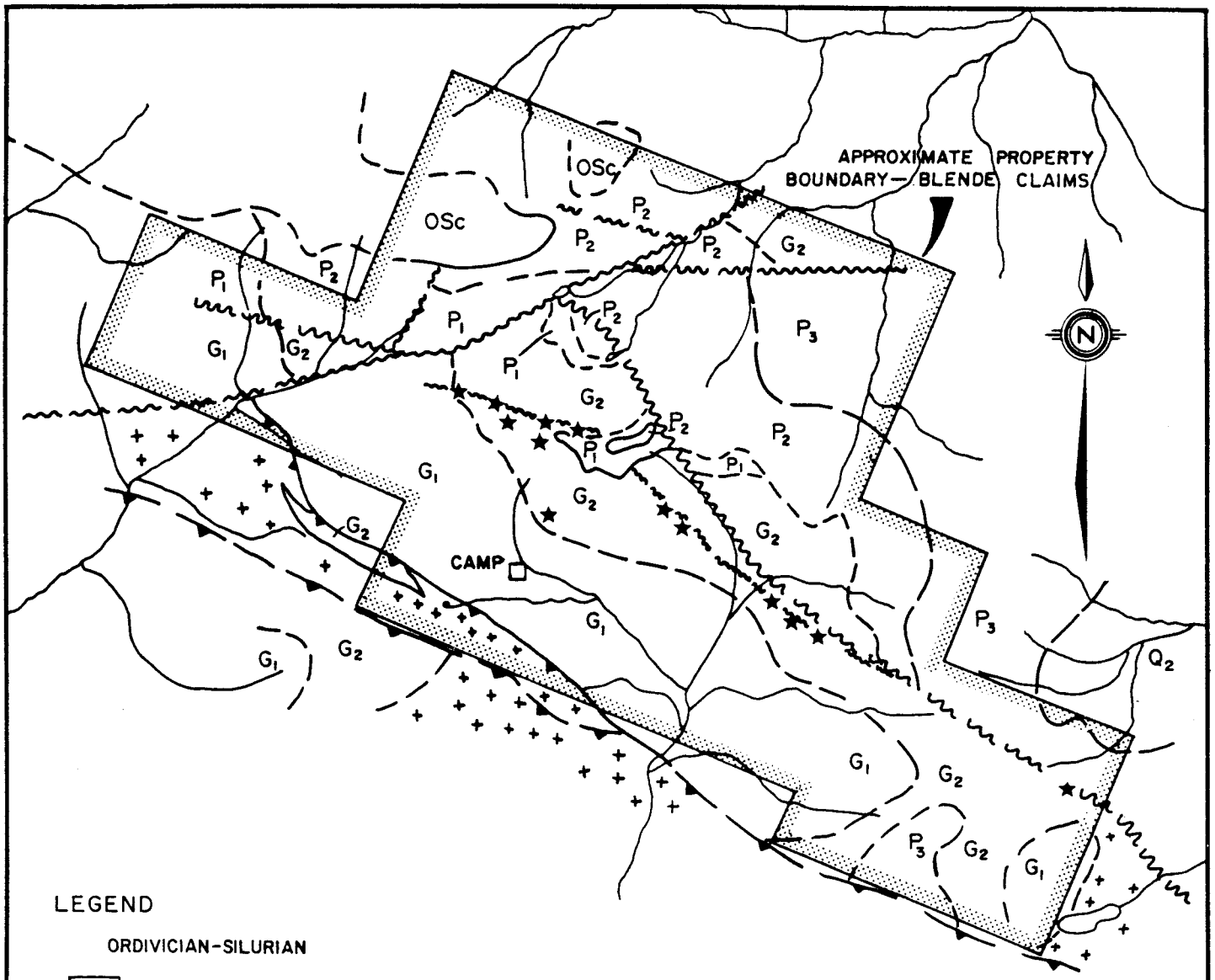
Rocks on the Blende property have been tentatively subdivided into seven sedimentary units and one intrusive unit, as described below. Figures 7 and 8 (following Figure 4) are a simplified stratigraphic column and geological cross section, respectively.

Quartet Group

Only the top 200 m of the Quartet Group succession is seen on the Blende property. This unit, designated Q2, is a monotonous sequence of black slate, phyllite and argillite with minor interbedded quartzite. The Q2 rocks exhibit a pervasive micaceous cleavage which fractures to create long indurated splinters in talus. Some mappers (Delaney, 1981 and Mustard et al, 1990) have reported that the upper contact of the unit grades stratigraphically into Gillespie Lake Group sediments, while Roots (1990) has observed angular relationships between the two in an area 100 km west of the property. No contacts were observed in the immediate vicinity of Blende.

Gillespie Lake Group

The Gillespie Lake Group is subdivided into two units: a deep water clastic sequence; and, a shallow water predominately carbonate package. The lower unit (G1) is about 740 m thick and consists of repeated 1 to 5 m thick cycles containing maroon or green weathering mudstone and shale beds alternated



LEGEND

ORDIVICIAN-SILURIAN

OSc — light grey weathering dolomite and limestone

LATE (?) PROTEROZOIC

diorite and gabbro

PINGUICULA GROUP

P_3 — black shale with basal conglomerate

P_2 — red weathering dolomite

P_1 — argillite, shale and chert

MIDDLE PROTEROZOIC
GILLESPIE LAKE GROUP

G_2 — orange weathering dolomite

G_1 — interbedded shale and dolomite

MIDDLE PROTEROZOIC
QUARTET GROUP

Q_2 — interbedded shales, phyllites, argillites and quartzites

geological contact (defined, inferred)

high angle fault (defined, inferred)

thrust fault (defined, inferred)

★ Pb-Zn occurrence

Figure 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

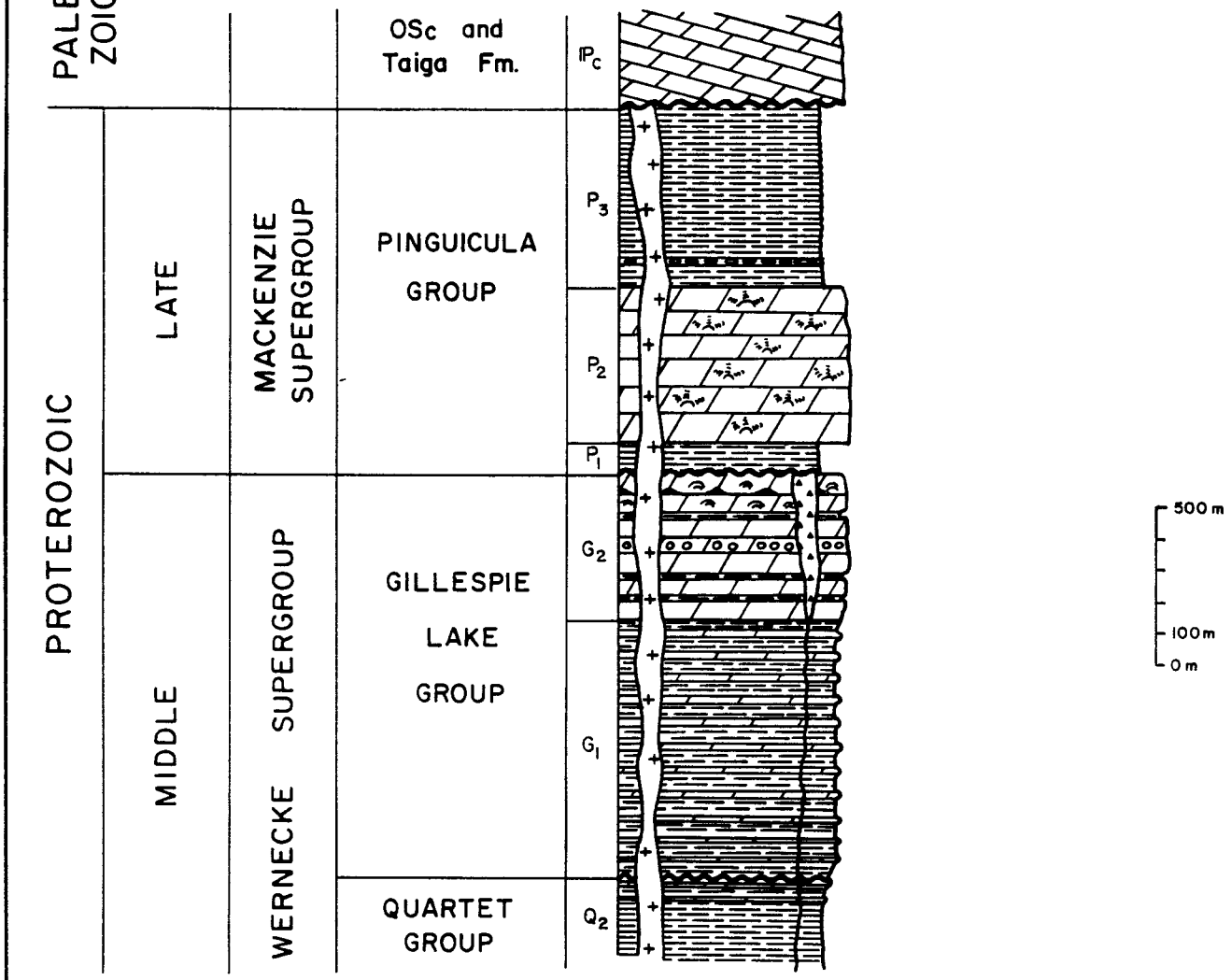
GEOLOGY AND MINERALIZATION

BLENDE PROPERTY

NDU RESOURCES LTD.
BILLITON METALS CANADA INC.

SCALE 1:50,000

0 1 2 km



unconformity

dolomite, dolomitic sandstone and mudstone

shale and siltstone

domal and columnar stromatolites

fine 'budding' stromatolites

oolites

conglomerate

chert

mineralized breccia

diorite or gabbro

Figure 7

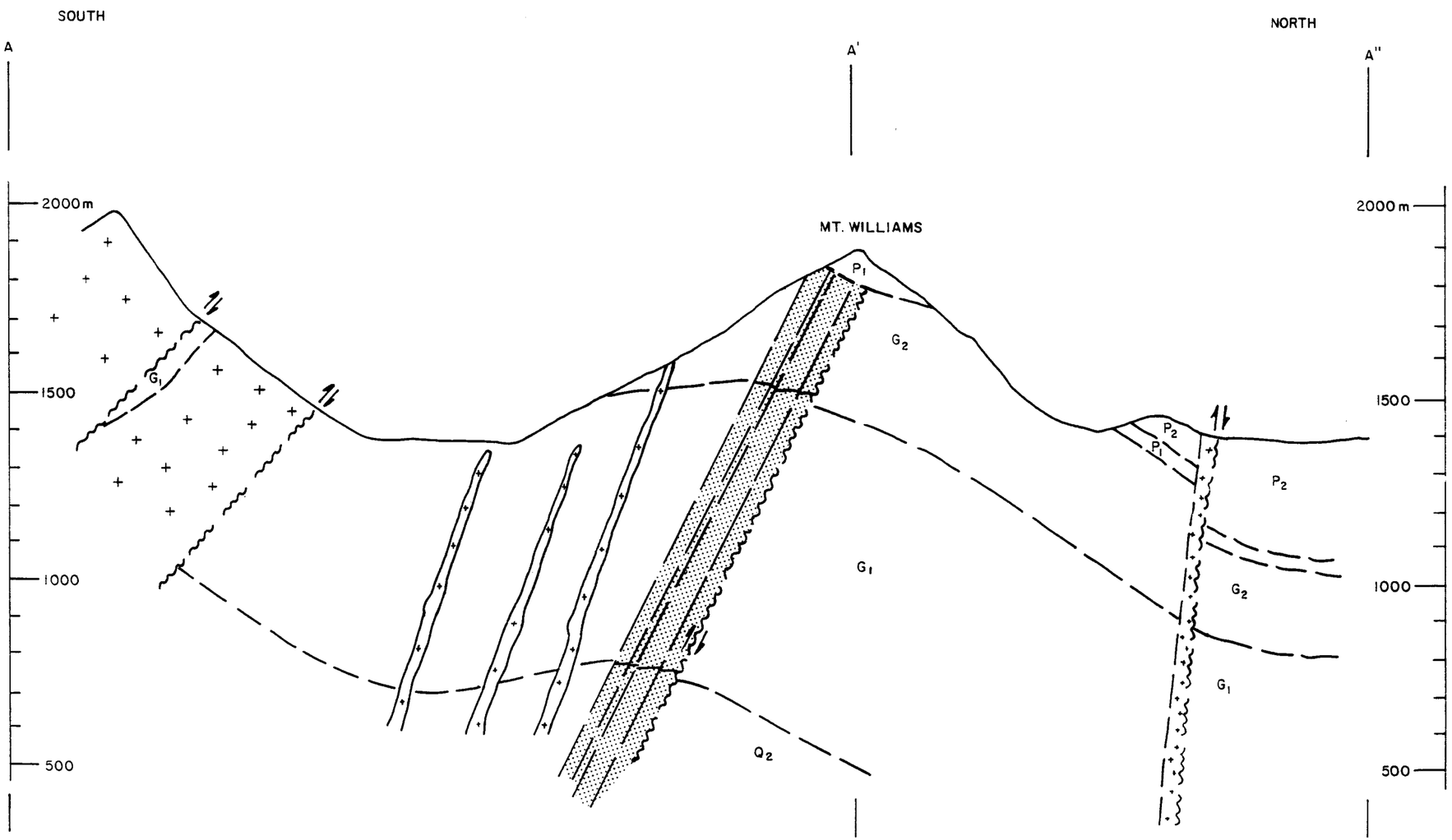
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

STRATIGRAPHIC COLUMN

BLENDE PROPERTY

NDU RESOURCES LTD.

BILLITON METALS CANADA INC.



SECTION FACING WEST

LATE (?) PROTEROZOIC

diorite and gabbro

LATE PROTEROZOIC
PINGUICULA GROUP

P_2 red weathering dolomite

P_1 argillite, shale and chert

MIDDLE PROTEROZOIC
GILLESPIE LAKE GROUP

G_2 orange weathering dolomite

G_1 interbedded shale and dolomite

QUARTET GROUP

Q_2 interbedded shales, phyllites, argillites and quartzites

fault

geological contact

mineralized zone

Figure 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGICAL CROSS SECTION

BLENDE PROPERTY

NDU RESOURCES LTD.
BILLITON METALS CANADA INC.

0 100 200 300 m

To accompany report dated December, 1990

with light orange weathering dolomitic sandstone horizons. The rocks have a striped appearance in outcrop and break to form flat, rhomb-shaped talus.

The upper unit (G2) is approximately 460 m thick and hosts the main zones of silver-lead-zinc mineralization on the Blende property. It mainly consists of thick bedded grey dolomite and dolomitic mudstone containing abundant domal and columnar stromatolite beds up to 4 m thick. Fine interbeds of sandstone, shale, mudstone and chert also occur throughout the section. Oolitic beds found in several locations near the middle of the section on the property and a thin green volcanic layer noted just above the G1-G2 contact in localities off the property may be useful marker horizons. G2 rocks generally weather buff-orange to brown and break into irregularly shaped boulders.

Pinguicula Group

Regionally, Roots (1990) observed that no single stratigraphic section of the Pinguicula Group is representative and did not further subdivide the unit. However, on the property, three distinct sequences were noted.

Unit P1 is a 50 m thick sequence of dark siliceous siltstone and fine sandstone with thin dolomitic mudstone interbeds. The unit discontinuously overlies G2 and was probably deposited in localized basins.

Unit P2 conformably overlies P1 or unconformably overlies G2. It is about 250 m thick and consists of red-brown weathering massive grey dolomite containing fine hair-like stromatolites with diagnostic small budding heads atop larger columns (Mustard et al, 1990).

Unit P3 is a 300 m thick section of dark grey weathering interbedded shale and siltstone. A narrow conglomerate horizon containing boulder- to pebble-sized clasts of gabbro and shale occurs near the base of the unit.

Several features of the Pinguicula Group pelitic rocks distinguish them from similar Quartet Group strata, including greater colour variation and presence of thin carbonate interbeds in the younger group. Pinguicula Group rocks also tend to break into small chips rather than the splintery talus characteristic of the older unit (Roots, 1990).

Paleozoic Carbonates

Approximately 150 m of light grey weathering carbonate strata (Unit PPc) unconformably cap the darker coloured Proterozoic assemblage in the Blende area. The base of the Paleozoic unit is marked in some areas by a thin bedded dolomite sequence tentatively correlated to the Cambrian Taiga Formation (Norris, 1982). These rocks are occasionally brecciated and exhibit siderite replacement along laminae and in fractures. Most of the Paleozoic sequence is comprised of relatively massive, light grey weathering, fine-grained dolomite with abundant open spaces that are occasionally filled with quartz. These rocks are believed to range from Cambrian to Devonian in age and are analogous to GSC units CDb or OSc elsewhere in the Wernecke Mountains.

Intrusive Rocks

Dioritic to gabbroic dykes and plugs intrude the Proterozoic sediments in the Blende area. They are dark green, medium grained and contain about equal amounts of felsic (plagioclase with minor quartz) and mafic (clinopyroxene with minor hornblende) minerals (Green, 1972). Most are red-brown on weathered surfaces, but some are light green and show remnant grain textures. The thicker intrusions form prominent cliffs while the thinner bodies normally do not outcrop. Bleached dedolomitization halos are often developed where the intrusions cut Gillespie Lake Group dolomites. These zones are 1 to 30 m wide and contain secondary calcite and talc.

PROPERTY MINERALIZATION

Most silver-lead-zinc mineralization discovered to date on the Blende property occurs where a Middle Proterozoic age fault complex cuts Unit G2, the 460 m thick dolomite sequence that comprises the upper part of the Gillespie Lake Group. The fault complex is up to 350 m wide and is composed of a strong footwall break (Footwall Fault) plus several weaker structures in the hanging wall and footwall. All of the faults strike between 105 and 110°, dip to the south at about 65° and exhibit a few metres of reverse offset. The mineralization has been intermittently traced in outcrop and float over a 6000 m strike length, with the largest gap occurring where the complex is capped by the younger Pinguicula Group shales or pulled apart by cross faults. At the extreme west end, the faults cut into the underlying Unit G1 shales and appear to rapidly horsetail and pinch out. To the east they are cut off at surface by a thrust fault.

The mineralization is fracture controlled with the highest concentration occurring within 1 to 2 m wide breccia zones developed along the main faults. Fracture densities in the surrounding wallrocks gradually decrease as distance from the faults increase. Primary mineralogy consists of medium-grained galena and sphalerite with minor pyrite, traces of chalcopyrite and rare tetrahedrite in a gangue of secondary dolomite, siderite and minor quartz. Sphalerite is generally pale grey or honey coloured, which makes the zinc grade difficult to visually estimate. Aside from minor bleaching, the mineralized rocks appear to be unaltered. Unmineralized rocks in the footwall of the complex contain abundant quartz-siderite veinlets which gives them a dark brown colour and makes them resistant to weathering. Well mineralized material weathers recessively and tends to break into smaller than fist-sized fragments that are usually covered by coarser unmineralized talus. The best exposures occur on steep slopes and ridge

crests near the west end of the complex. At higher elevations, much of the mineralization is partially oxidized to depths of 50 to 100 m below surface but on the glacially scoured lower slopes, fresh sulphides are common at surface.

Samples from breccia zones typically assay between 8 and 20% Pb+Zn while the surrounding fractured wallrocks normally grade between 1 and 5% Pb+Zn. On average, mineralized rocks contain about 17 g/t Ag for each 1% lead with the ratio for individual samples typically ranging between 7 and 30 g/t Ag per 1% lead. Preliminary metallurgical tests suggest that the silver will report with the lead concentrate. There appears to be some metal zoning in the deposit with increasing copper values and silver-to-lead ratios toward the base of Unit G2; however, this trend is based on only a few exposures and has not been tested by drilling. Minor metal analysis indicates there are no significant concentrations of detrimental elements and that cadmium and germanium are possible smelter credits. Gold contents are negligible (less than 0.03 g/t).

A sample of galena from Blende was submitted to the University of British Columbia for lead isotope analysis and returned a model age of 1.4 bya (Godwin et al, 1988). Additional specimens were submitted in 1990 but results are not yet available.

Twelve zones of mineralization have been discovered within or adjacent to the fault complex and have been chronologically numbered in the order that they were first discovered by Cyprus Anvil or Archer, Cathro workers. They have been grouped into four packages: the West Zones, which were the target of the 1988 and 1990 drilling, lie west of the Pinguicula Group shale cap; the Central Zones lie between the cap and a large landslide on Dean Creek; the East Zones cover a 600 by 200 m area east of the landslide; and, the Far East Zones are located 2 km farther east and are separated from the other zones by a prominent ridge again capped by younger rocks.

West Zones

Surface mapping has recognized six zones (1,2,5,6,7 and 9) which collectively comprise the West Zones within an area that is approximately 900 m long and ranges from 50 to 350 m in width. The locations of individual zones are shown, along with assays, on Figure 9 in the pocket.

Even though this is the best exposed and most intensely explored part of the property, the dimensions, average grade and continuity of zones were difficult to determine from surface work because most mineralized exposures are on cliffs and the rest of the area is covered with a thick layer of talus. All of the 1990 drilling was directed toward a 600 m section covering the central and eastern parts of these zones. The following paragraphs describe results of surface exploration and briefly summarize drill results. Details of the drilling are presented in the section entitled 1990 Diamond Drilling.

The widest, most consistent exposures of mineralization on the property occur in Zone 5 adjacent to the Footwall Fault. In 1984 systematic chip sampling of outcrops and hand trenches was conducted over a 750 m strike length along the zone (through a vertical range of 200 m) and averaged 2.2% Pb, 3.1% Zn and 44.8 g/t Ag across 27.5 m. The real width of the zone is somewhat greater than the sampled width because talus obscured part of the mineralization at several sites. In most exposures, galena and sphalerite are the main sulphide minerals but, at the west end where the zone cuts a diorite dyke, chalcopyrite is common. A 1989 chip sample from the chalcopyrite-rich area (which has not been drill tested) returned 3.0% Cu, 8.7% Pb, 1.9% Zn and 1038.8 g/t Ag over 2.8 m.

No systematic surface sampling has been done on the other zones because of the lack of exposure. However, rock specimens and isolated chip samples returned encouraging results with numerous values exceeding 10% Pb+Zn.

Soil geochemical surveys returned strongly anomalous values for lead, zinc and silver for the length of the zones. Copper response gradually increased from near background over the eastern part of the zones to strongly anomalous at the western end.

In 1988 three holes were drilled in a fan from a single site (as shown on Figure 9) with the intention of testing Zone 5. Surprisingly, the best intersections were obtained near the drill collars from mineralized zones that are obscured at surface by talus and Unit Pl shale cap rocks. These intersections are tentatively correlated to Zones 6, 7 and 9. The best assays came from Hole 88-2 which cut obliquely across the mineralized zones and averaged 5.2% Pb, 2.8% Zn and 108.9 g/t Ag over 81.7 m, including 19.8 m that graded 12.3% Pb, 4.4% Zn and 284.8 g/t Ag.

The 1990 drilling was done on a series of section lines to the east and west of the 1988 holes. This work confirmed that the mineralization continues to depth and along strike and showed that it occurs in three main bands. The band closest to the Footwall Fault corresponds to Zone 5; the middle one, which is the weakest of the three, appears to be the downdip extension of Zones 1 and 6; and, the band farthest into the hanging wall, which is the widest and best mineralized in most sections, projects to Zones 7 and 9 at surface. Zone 2, which is even farther into the hanging wall, was only tested by a few holes and was weakly mineralized.

Based on results from the drill tested area and using a cutoff grade of 1% Pb + 1% Zn + 34.3 g/t Ag, Billiton geologists calculated a diluted mineral resource of 11.5 million tonnes grading 3.0% Pb, 2.2% Zn and 50 g/t Ag with a 2.1:1 stripping ratio (Lutes, 1990). The mineralization is still open along strike in both directions and to depth.

Central Zones

The Central Zones (Zones 3, 4, 8 and 10) occur intermittently over an 800 m strike length on a long talus slope between the top of Mount Williams and Dean Creek. Exposure is poor and mineralization is confined to a few float trains and scattered outcrops as shown on Figure 10 in the pocket.

Zones 3, 4 and 8 are a series of subparallel sphalerite-galena veins up to 1 m wide. One of the veins in Zone 4 was sampled in 1989 and returned 1.1% Pb, 14.8% Zn, 19.2 g/t Ag and 0.02% Cu over 0.6 m. Zone 10 lies about 900 m northeast of the fault complex and consists of a 20 by 10 m area containing numerous, 1 to 3 cm in diameter, malachite- and limonite-stained vein fragments, a composite sample of which assayed 1457 g/t Ag with only 0.1% Pb, 0.2% Zn.

Geochemical surveys returned strong zinc and moderate lead and silver response in an 800 m long by 400 m wide anomaly. The most intense values are aligned in two subparallel bands forming the core of the anomaly.

East Zones

The East Zones include Zone 11 on the east side of Dean Creek (Figure 10) and an unnamed copper occurrence located approximately 800 m to the north.

Zone 11 is approximately 600 m long and 200 m wide and consists of hydrozincite-stained, sphalerite- and galena-bearing rock fragments mixed with ferricrete boulders and soil on a gentle, lightly vegetated slope. There are no outcrops in the main part of the zone and bulldozer trenching did not reach bedrock due to frost in the soil. Mineralized boulders up to 2 m in diameter were exposed in the trenches. Selected float specimens returned up to 36.1% Pb, 11.6% Zn and 438.8 g/t Ag, while chip samples across two 1.5 m wide mineralized shear zones exposed on a steep slope at the eastern edge of the zone assayed up to 0.06% Pb, 7.9% Zn and 6.9 g/t Ag. Soil sampling over this zone returned consistently strong zinc and moderate to strong lead and silver values.

The copper occurrence was discovered in 1990 and is comprised of sparse chalcopyrite, malachite and azurite in 10 cm to 1 m wide quartz veins cutting Unit P2 dolomite. Well mineralized specimens (greater than 1.0% Cu) returned low precious metal values (less than 34 g/t Ag and 0.07 g/t Au). No lead or zinc mineralization was seen.

Far East Zones

The Far East Zones consist of scattered hydrozincite-stained boulders in two 25 m wide float trains that are 100 m apart and are collectively referred to as Zone 12. The float trains occur within a broad talus fan at the head of a cirque. The boulders range from 5 to 30 cm in diameter. Specimens typically contain abundant galena and sphalerite in fractures and assayed up to 8.7% Pb, 17.6% Zn, and 31.5 g/t Ag. This area was not covered by grid soil geochemistry but stream sediment samples collected downstream from it returned the highest lead and zinc values obtained anywhere on the property.

1990 DIAMOND DRILLING

GENERAL

During 1990, fifteen holes totalling 3659.74 m were drilled on seven section lines in the central and eastern parts of the West Zones. The hole locations are shown in plan view on Figures 3, 4 and 9 and in cross section on Figures 11 to 19 inclusive. General information concerning individual holes is tabulated below.

Hole #	Start-Finish	Northing	Easting	Elevation	Length (m)
B90-4	June 9-13	19999.48	10398.73	1774.75	236.22
B90-5	June 13-19	19935.22	10402.43	1738.82	292.91
B90-6	June 19-24	19921.56	10295.91	1730.28	313.03
B90-7	June 24-29	19920.91	10203.76	1750.57	299.62
B90-8*	June 29-July 4	19972.28	10501.82	1779.31	118.87
B90-9	July 4-8	19979.03	10202.03	1778.55	224.03
B90-10	July 8-13	19945.78	10104.15	1798.22	213.06
B90-11	July 14-16	19937.82	9991.96	1842.70	189.59
B90-12	July 16-21	19850.07	9995.26	1813.59	278.60
B90-13	July 21-27	19850.73	9995.43	1813.49	291.08
B90-14	July 27-30	19856.37	10106.81	1761.02	236.83
B90-15	July 30-Aug.3	19973.27	10299.11	1759.76	261.20
B90-16	Aug.3-7	19934.18	10347.94	1734.54	281.94
B90-17	Aug.7-13	19900.08	10251.30	1729.76	274.32
B90-18	Aug.13-15	19852.14	10306.64	1692.35	148.44
					3659.74

*abandoned in a fault zone

All holes were collared at a bearing of 035° and a dip of -50°, except Hole 90-13 which had a bearing of 357° and Hole 90-17 which was started with a -45° dip. Down hole surveys were done on all holes and showed that most deflected slightly to the east or west and tended to flatten 1 to 3° for each 100 m drilled.

The work was done on a 24 hour per day, seven day per week basis by E. Caron Diamond Drilling Ltd. (Caron) of Whitehorse using a skid-mounted, wireline-equipped Longyear 38 drill. A Caterpillar D-7F bulldozer, also contracted from Caron, was used to move the drill and build access roads and drill sites.

All holes were drilled with NQ equipment, except the last 212.8 m of Hole 90-5 which encountered broken ground and was finished with BQ. Ground conditions were normally excellent with typical recoveries in the range of 90 to 95%. The drillers produced an average of 27 m per shift, including time spent moving from one site to another. Only Hole 90-8 encountered bad conditions and it appears to have drilled down a post mineralized cross fault for most of its length and had to be abandoned short of its target. No calcium chloride was required and drill mud was only used in Hole 90-8. Although the waterline was approximately 1000 m long and had a 400 m lift, there were no problems with water supply.

Drill core was logged, then the entire length of each hole was either split or sawn. Half of the core was returned to the boxes and stored on the property. The other half was sampled in 1 to 4 m intervals, depending upon variations in rock type, recovery and abundance of mineralization.

The samples were sent to Chemex Labs Ltd. in North Vancouver where they were dried and crushed in two stages to approximately -10 mesh, run through a riffle splitter to yield a 300 gm split, and finally pulverized to approximately -150 mesh using a ring mill. All samples were initially assayed for total lead, zinc, silver and copper. Later sequences of samples from mineralized sections were assayed for non-sulphide lead and zinc. Composite samples representing the mineralized sections were also analyzed for gold and germanium, plus 32 other elements. Certificates of Analysis are included as Appendix III.

RESULTS

All holes intersected mineralization and produced at least one significant interval, as shown on the cross sections and listed on Table 1 on the following page. Detailed geological descriptions and assays for individual holes are shown on the drill logs in Appendix IV.

TABLE 1:
SIGNIFICANT DRILL INTERSECTIONS, BLENDE PROPERTY

Hole	Interval (m)	Width (m)	Pb (%)	Zn (%)	Ag (g/t)
88-1	4.30 - 28.99	24.69	3.5	3.3	46.6
	83.48 - 85.89	2.41	7.9	6.4	190.3
	129.20 - 132.31	3.11	4.7	2.2	42.2
88-2	8.81 - 90.50	81.69	5.2	2.8	108.9
	207.90 - 209.70	1.80	3.4	3.6	93.6
88-3	3.69 - 135.88	132.19	3.7	1.8	88.8
	227.72 - 230.70	2.98	2.4	2.8	27.4
90-4	53.64 - 77.72	24.08	5.1	3.1	47.7
	95.74 - 119.45	23.71	2.8	1.4	60.0
	129.08 - 135.09	6.01	7.9	2.6	165.6
	218.88 - 224.79	5.91	5.9	2.2	28.1
90-5	58.55 - 88.91	30.36	3.2	3.3	51.4
	114.00 - 126.95	12.95	0.6	3.1	7.9
90-6	68.73 - 92.99	24.26	7.6	2.4	108.0
	252.37 - 257.01	4.64	1.1	3.2	15.8
90-7	217.99 - 241.98	23.99	2.7	1.5	76.8
90-8	49.01 - 60.02	11.01	1.6	1.6	20.2
	(hole caved and was abandoned at 119 m)				
90-9	15.00 - 26.91	11.91	7.1	8.2	118.6
	45.99 - 58.00	12.01	1.8	0.9	24.7
	67.36 - 84.92	17.56	5.6	2.2	71.7
90-10	29.99 - 37.89	7.90	4.2	7.8	165.6
	90.50 - 94.34	3.84	2.0	5.7	31.9
	155.66 - 176.84	21.18	3.9	1.5	28.8
90-11	16.95 - 52.73	35.78	2.0	3.7	32.2
	151.15 - 158.80	7.65	4.8	5.4	133.7
90-12	112.99 - 115.98	2.99	0.5	4.4	10.6
	242.99 - 267.98	24.99	1.8	3.0	37.4
90-13	132.01 - 141.00	8.99	0.5	4.3	14.7
	250.79 - 252.89	2.10	0.8	4.0	8.2
90-14	100.00 - 110.92	10.92	0.2	3.0	9.9
	212.90 - 215.10	2.20	6.0	2.6	46.6
	230.92 - 235.21	4.29	1.6	4.9	11.3

TABLE 1:
SIGNIFICANT DRILL INTERSECTIONS, BLENDE PROPERTY (Cont'd)

Hole	Interval (m)	Width (m)	Pb (%)	Zn (%)	Ag (g/t)
90-15	34.99 - 104.85	69.86	5.1	2.3	131.0
	201.75 - 216.99	15.24	3.2	4.4	33.6
	240.43 - 257.01	16.58	1.7	1.4	22.6
90-16	7.16 - 16.00	8.84	1.6	0.8	18.2
	31.00 - 43.01	12.01	2.8	1.7	31.9
	65.99 - 104.70	38.71	3.0	0.9	23.3
90-17	75.90 - 84.31	8.41	10.1	3.2	66.9
	204.40 - 206.59	2.19	3.7	2.2	19.9
90-18	26.00 - 32.00	6.00	2.1	0.8	34.6
	91.35 - 133.01	41.66	1.5	1.5	21.6

Correlations between section lines were generally good with the widest, highest grade intersections occurring in the band of mineralization farthest into the hanging wall (Zones 7 and 9). The best single intersection was obtained from Hole 90-15 and averaged 5.1% Pb, 2.3% Zn and 131.0 g/t Ag over 69.9 m. Examination of metal ratios, intersection thicknesses, and total metal content suggest that mineralization in the hanging wall band contains a higher proportion of lead in the wider intersections and relatively more zinc in the narrower intersections. Contouring of total metal contents outlines a well defined core that rakes at a shallow angle toward the southeast; however, there are no obvious lithological or structural controls that could account for this plunge. Silver to lead ratios are lowest in the lead-rich areas (8 to 16 g/t Au per 1% Pb) and highest in the zinc-rich areas (17 to 45 g/t Ag per 1% Pb).

Intersections from the central (Zones 1 and 6) and footwall (Zone 5) bands are as high grade as those from the hanging wall band but are generally narrower. The best intersection from the central band was from Hole 90-4 which returned 7.9% Pb, 2.6% Zn and 165.6 g/t Ag over 6.0 m, while the highest values from the footwall band were in Hole 90-11 which averaged 4.8% Pb, 5.4% Zn and 133.7 g/t Ag over 7.7 m. Metal zoning was less evident in these bands.

Mineralization in all three bands was partially oxidized to depths up to 100 m below surface, suggesting that the top of Mount Williams has not been glacially scoured. The oxidization is most prevalent in the breccia zones along the main fault. As expected, the sphalerite oxides much more readily than the galena.

CONCLUSIONS

The 1990 diamond drill program successfully outlined an area of moderate grade mineralization that could be mined by open pit methods. All holes intersected mineralization and the target is open downdip and along strike in both directions.

The area tested by drilling represents about 10% of the strike length of the mineralized fault complex. In 1991, drilling is expected to test systematically along the 4 km length of the complex that has been defined by soil geochemistry. This program will require at least 13,000 m of drilling with two or three diamond drills working full time for about 100 days.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

/mc

W.D. Eaton.

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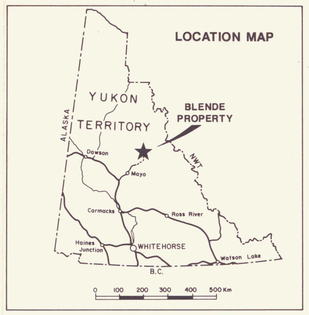


■ surveyed posts

□ standing, tagged but not surveyed

★ camp

road

90-5 diamond drill hole with hole number

Figure 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM MAP & DRILL HOLE LOCATIONS

BLENDE PROPERTY

NDU RESOURCES LTD.

BILLITON METALS CANADA INC.

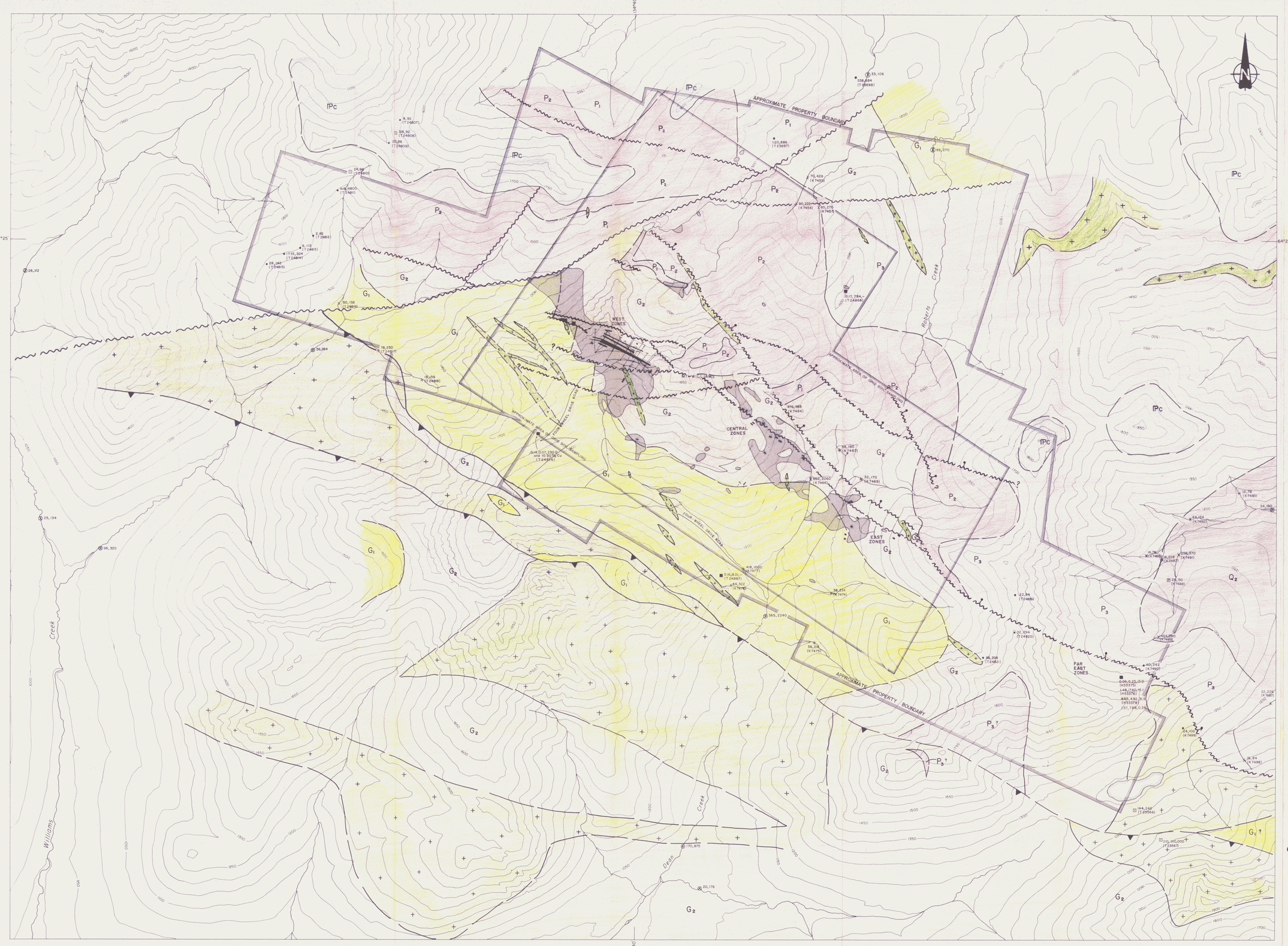
SCALE 1:5000

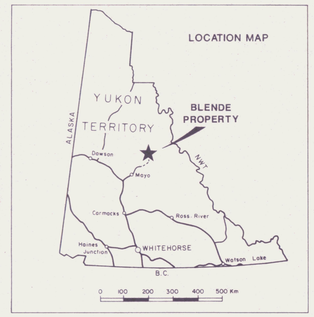
0 50 100 200 300 400 500 Metres

0 100 500 1000 1500 Feet

092942

To accompany report dated December 1990





PALEOZOIC

- IPc — light grey weathering dolomite and limestone

LATE PROTEROZOIC ?

- gabbro and diorite

LATE PROTEROZOIC

PINGUICULA GROUP

- P_3 — dark shale and siltstone with narrow conglomerate bed near base
- P_2 — red weathering stromatolitic dolomite
- P_1 — dark siliceous siltstone and fine sandstone with thin dolomitic mudstone interbeds

MIDDLE PROTEROZOIC

GILLESPIE LAKE GROUP

- G_2 — buff orange to brown weathering stromatolitic dolomite with minor dolomitic mudstone
- G_1 — maroon or green weathering mudstone with light orange weathering dolomitic interbeds

QUARTET GROUP

- Q_2 — black slate, phyllite and argillite

- high angle fault with down dropped block where shown
- thrust fault
- mineralized outcrop or head of talus train
- diamond drill hole
- 28, 142 (T 24815) — Archer, Cathro soil sample location with sample number plus Pb and Zn values in ppm
- 18, 156 (T 24818) — Archer, Cathro stream sediment sample location with sample number plus Pb and Zn values in ppm
- 89, 270 — GSC stream sediment sample location with Pb and Zn values in ppm
- 0.06,0.25,0.38 (N 55375) — Archer, Cathro rock sample location with sample number plus Pb and Zn assays in % and Ag in g/t
- 28, 50 (K 7488) — Archer, Cathro rock sample location with sample number plus Pb and Zn values in ppm
- area of grid soil response exceeding 1000 ppm Pb

Figure 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGICAL AND GEOCHEMICAL COMPILATION

BLENDE PROPERTY

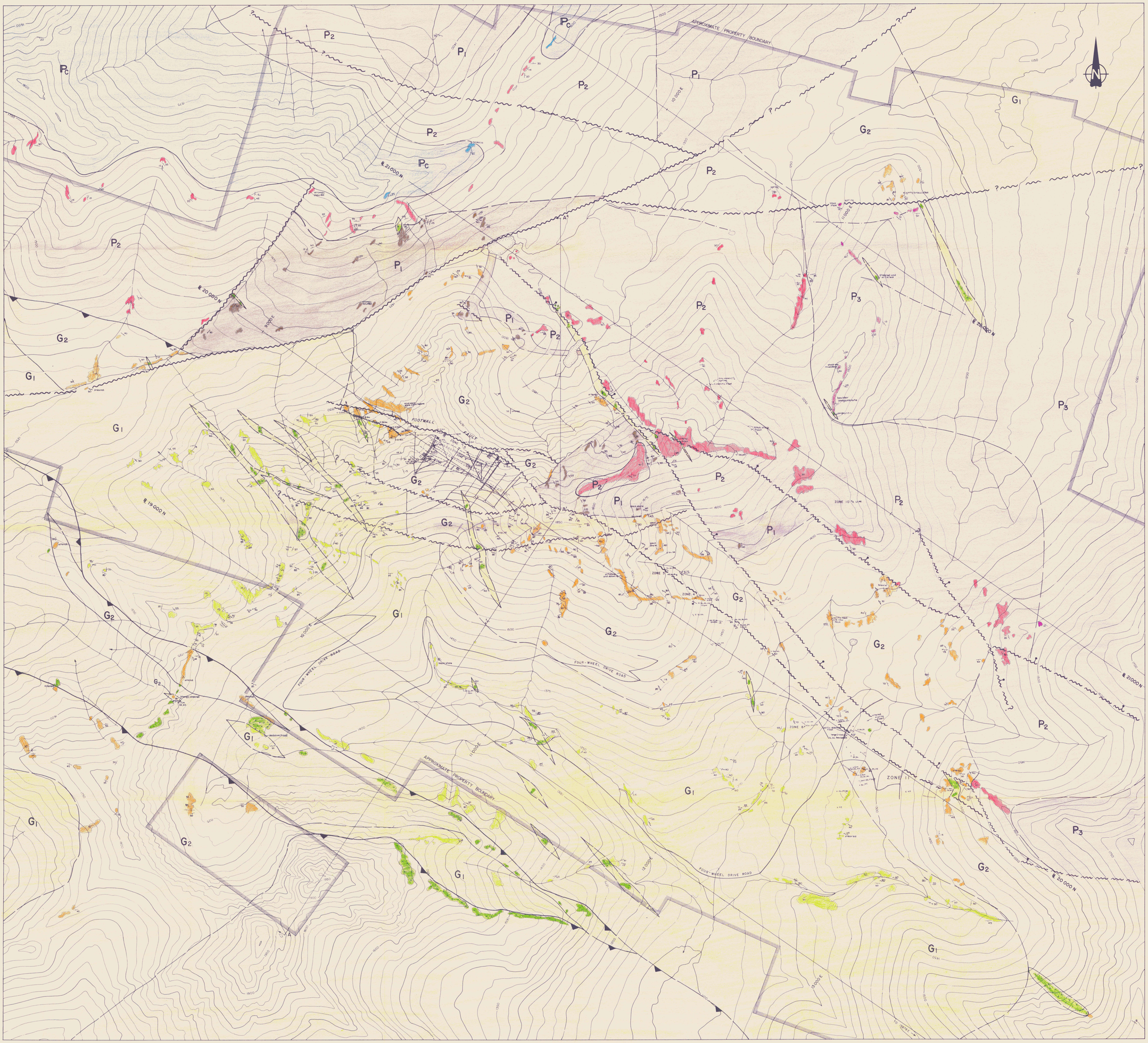
NDU RESOURCES LTD.
BILLITON METALS CANADA INC.

SCALE 1:10,000

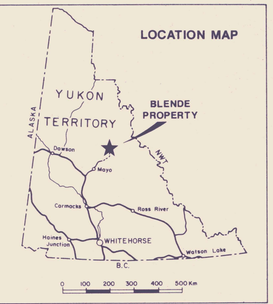
0 100 200 300 400 500 1000 Metres
0 500 1000 2000 3000 Feet

092942

To accompany report dated December, 1990



LOCATION MAP



PALEOZOIC

- Pc — light grey weathering dolomite and limestone

LATE PROTEROZOIC ?

- gabbro and diorite

LATE PROTEROZOIC

PINGUICULA GROUP

- P3 — dark shale and siltstone with narrow conglomerate bed near base
- P2 — red weathering stromatolitic dolomite
- P1 — dark siliceous siltstone and fine sandstone with thin dolomitic mudstone interbeds

MIDDLE PROTEROZOIC

GILLESPIE LAKE GROUP

- G2 — buff orange to brown weathering stromatolitic dolomite with minor dolomitic mudstone
- G1 — maroon or green weathering mudstone with light orange weathering dolomitic interbeds

QUARTET GROUP

- Q2 — black slate, phyllite and argillite

- high angle fault with down dropped block where shown
- thrust fault
- geological contact
- airphoto lineament
- outcrop
- 40 — bedding attitude with dip
- 50 — attitude of dyke with dip
- 68 — foliation attitude with dip
- synclinal fold axis
- anticlinal fold axis
- 25 — plunge of fold axis
- 50 — plunge of minor fold axis
- 15 — lineation
- minor shear zone
- stockwork or breccia zone with width if known
- 0.6m — narrow vein with width and dip if known
- mineralized talus train
- X — mineralized float
- diamond drill hole
- hand trench

- CP — chalcopyrite
- CA — calcite
- GL — galena
- HZ — hydrozincite
- LI — limonite
- MC — malachite
- PY — pyrite
- QZ — quartz
- SD — siderite
- SL — sphalerite

Figure 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GEOLOGY

BLENDE PROPERTY

NDU RESOURCES LTD.
BILLITON METALS CANADA INC.

SCALE 1:5000

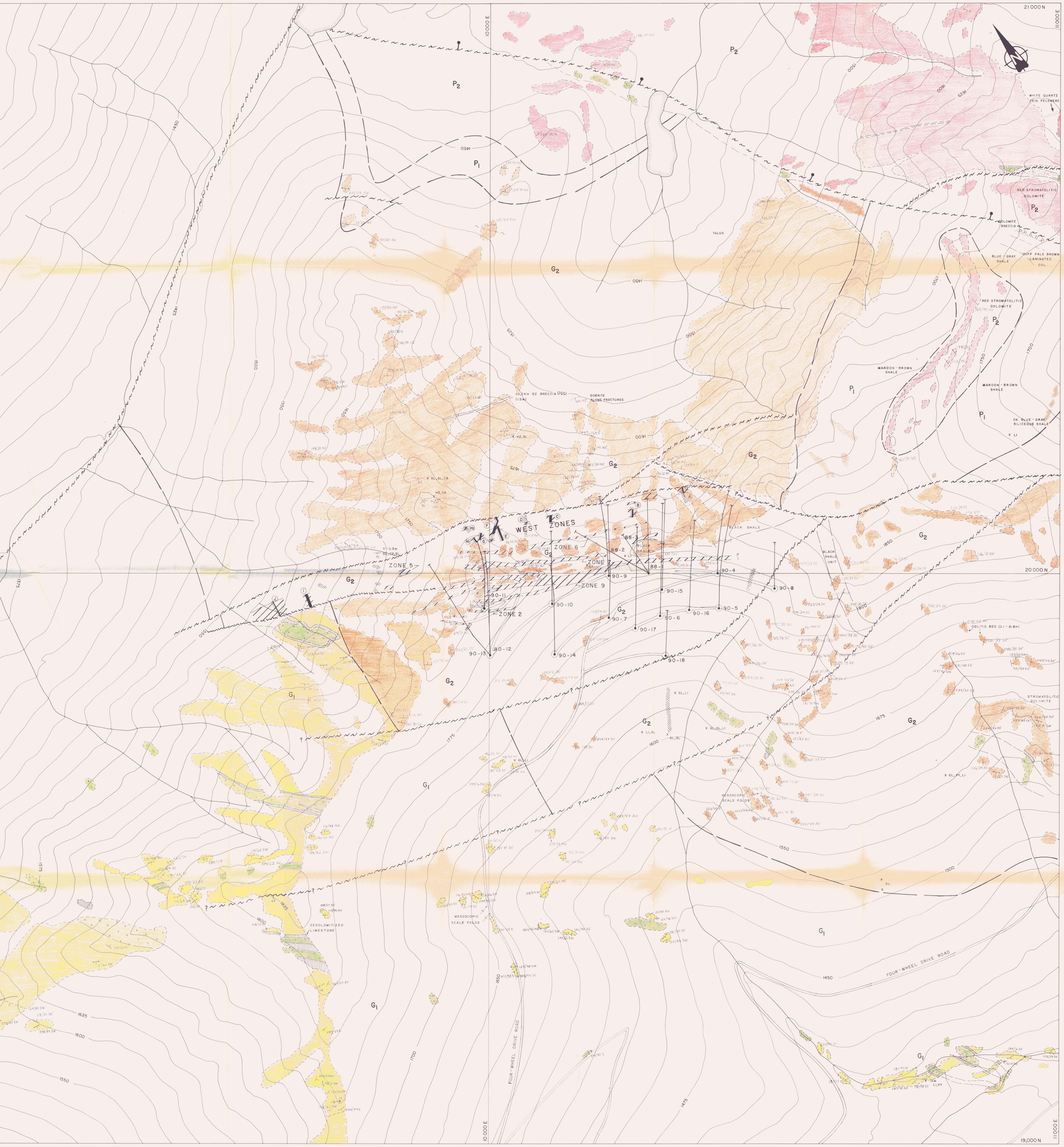
0 50 100 200 300 400 500 Metres

0 100 500 1000 1500 Feet

092942

MAP 1A-B-7

To accompany report dated December, 1981



LEGEND

PALEOZOIC

- IPc — light grey weathering dolomite and limestone

LATE PROTEROZOIC

- gabbro and diorite

LATE PROTEROZOIC ?

PINGUICULA GROUP

- P_3 — dark shale and siltstone with narrow conglomerate bed near base
- P_2 — red weathering stromatolitic dolomite
- P_1 — dark siliceous siltstone and fine sandstone with thin dolomitic mudstone interbeds

MIDDLE PROTEROZOIC

GILLESPIE LAKE GROUP

- G_2 — buff orange to brown weathering stromatolitic dolomite with minor dolomitic mudstone
- G_1 — maroon or green weathering mudstone with light orange weathering dolomitic interbeds

QUARTET GROUP

- Q_2 — black slate, phyllite and argillite

- high angle fault
- high angle fault showing down dropped block
- geological contact
- minor shear zone
- bedding attitude with strike and dip
- foliation attitude with strike and dip
- stockwork or breccia zone with width and dip if known
- narrow vein with width and dip if known
- mineralized talus train
- dedolomitized zone adjacent to mafic sill
- 90-5 — diamond drill hole with hole number

CP	chalcopyrite
CA	calcite
GL	galena
HZ	hydrozincite
LI	limonite
MC	malachite
PY	pyrite
QZ	quartz
SD	siderite
SL	sphalerite

1984 Trench & Outcrop Chip Sampling

- (A) — continuous chip sample with grades shown below
- ≥ 9 % Pb + Zn
- ≥ 5 % < 9 % Pb + Zn
- ≥ 2 % < 5 % Pb + Zn

Sample Location	True Width (m)	Pb (%)	Zn (%)	Ag g/t
A	23.0	2.7	1.6	27.4
B	16.9	3.4	2.0	58.5
C	11.9	7.8	2.1	120.0
D	19.9	0.8	2.6	15.3
E	30.6	0.8	4.1	27.4
F	47.3	1.6	4.3	30.9
G	13.1	3.0	3.4	41.1
H_1	8.2	1.8	3.6	23.0
H_2	13.3	0.8	3.6	18.9
I	25.0	3.4	6.1	61.7
J	28.0	3.7	3.0	130.3

Figure 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DETAILED GEOLOGY AND MINERALIZATION

BLENDE PROPERTY

(WEST SHEET)

NDU RESOURCES LTD.
BILLITON METALS CANADA INC.

SCALE 1:2000

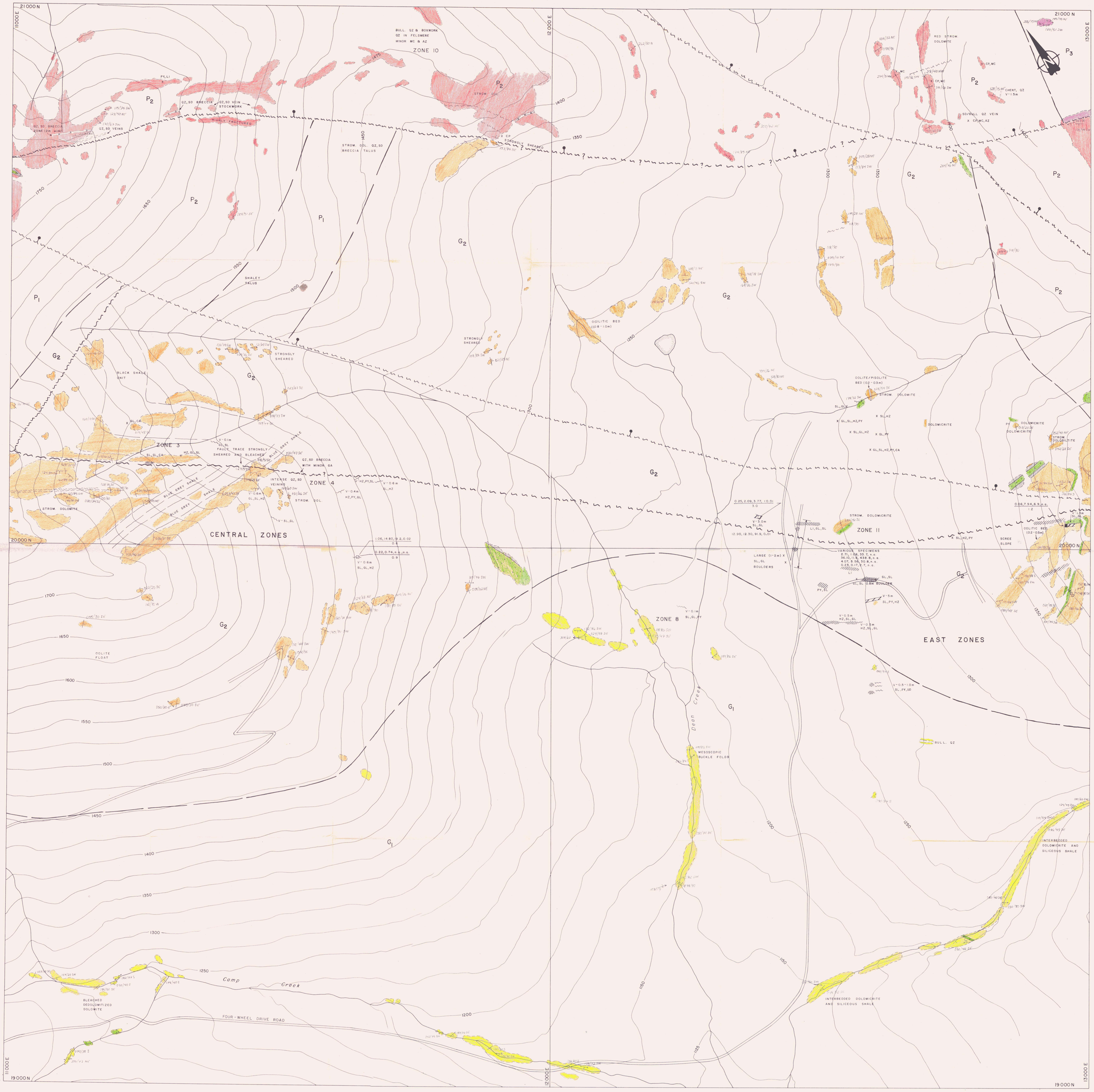
0 50 100 150 200 Metres

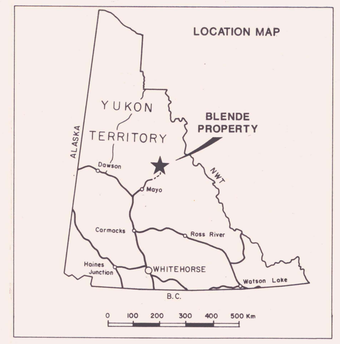
0 100 200 300 400 500 600 Feet

092942

To accompany report dated December, 1990

(138) MAP 106-D-7





LEGEND

PALEOZOIC

- P_C — light grey weathering dolomite and limestone

LATE PROTEROZOIC

- gabbro and diorite

LATE PROTEROZOIC?

PINGUICULA GROUP

- P_3 — dark shale and siltstone with narrow conglomerate bed near base
- P_2 — red weathering stromatolitic dolomite
- P_1 — dark siliceous siltstone and fine sandstone with thin dolomitic mudstone interbeds

MIDDLE PROTEROZOIC

GILLESPIE LAKE GROUP

- G_2 — buff orange to brown weathering stromatolitic dolomite with minor dolomitic mudstone
- G_1 — maroon or green weathering mudstone with light orange weathering dolomitic interbeds

QUARTET GROUP

- Q_Z — black slate, phyllite and argillite

- high angle fault
- high angle fault showing down dropped block
- geological contact
- minor shear zone
- bedding attitude with strike and dip
- foliation attitude with strike and dip
- stockwork or breccia zone with width and dip if known
- narrow vein with width and dip if known
- mineralized talus train
- chip sample location with Pb(%), Zn(%), Ag (g/t), Cu (%) / interval (m)
- rock specimen location with Pb(%), Zn(%), Ag (g/t), Cu (%) / interval (m)

n.a.	no assay available
CP	chalcopyrite
CA	calcite
GL	galena
HZ	hydrozincite
LI	limonite
MC	malachite
PY	pyrite
QZ	quartz
SD	siderite
SL	sphalerite
AZ	azurite

Figure 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DETAILED GEOLOGY AND MINERALIZATION

BLENDE PROPERTY

(EAST SHEET)

NDU RESOURCES LTD.

BILLITON METALS CANADA INC.

SCALE 1:2000

0 50 100 150 200 Metres

0 100 200 300 400 500 600 Feet

092942

Map # 106-D-7

To accompany report dated December, 1990

S

N

PLAN

B90-13

9900 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 9900 E

SECTION

1850m

1800m

1750m

1700m

1650m

1600m

1550m

1500m

1450m

ROAD

SURFACE

B90-13
(50m E)

gabbro

291.08m (13m W)

LEGEND

1.5% Pb+Zn

>5% Pb+Zn

gabbro Geology

Shearing

Cleavage (angle to core axis)

Assay boundary (defined, approximate, assumed)
>1% Pb+Zn

Fault (defined, approximate, assumed)

Metres
0 50 100

0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION

9900 E 092942

DDH# B90-13

FACING GRID WEST

Geologist:	Scale:	NTS:	Date:	Plan#:
G. Luteś	1:1,000	106D/7	Nov. 1990	//

(40) MAP# 106-D-7

S

N

PLAN

B90-13

B90-11

B90-12

10000 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10000 E

SECTION

1850m | 1800m | 1750m | 1700m | 1650m | 1600m | 1550m | 1500m | 1450m

B90-11
(8m W)

B90-13 B90-12
(5m W)

A

B

C

D
(50m W)

E

F
277.98m (14m W)

189.59m (21m W)

UPPER ZONE

MIDDLE ZONE

LOWER ZONE

TRENCH F
(1.56% Pb, 4.20% Zn, 0.95 opt Ag / 47.3 m)

SURFACE

LEGEND

- 1-5% Pb+Zn
- >5% Pb+Zn
- Geology (gabbro)
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		2.14		4.79		1.09	23.75
B		0.17		6.10		0.17	1.88
C		5.28		5.88		4.26	7.66
D		0.37		2.24		0.26	5.50
E		0.48		4.38		0.31	3.00
F		1.75		3.01		0.83	25.00

* non sulphide

Metres
0 50 100

0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION 10000 E
DDH# B90-11, 12, 13
FACING GRID WEST

092942

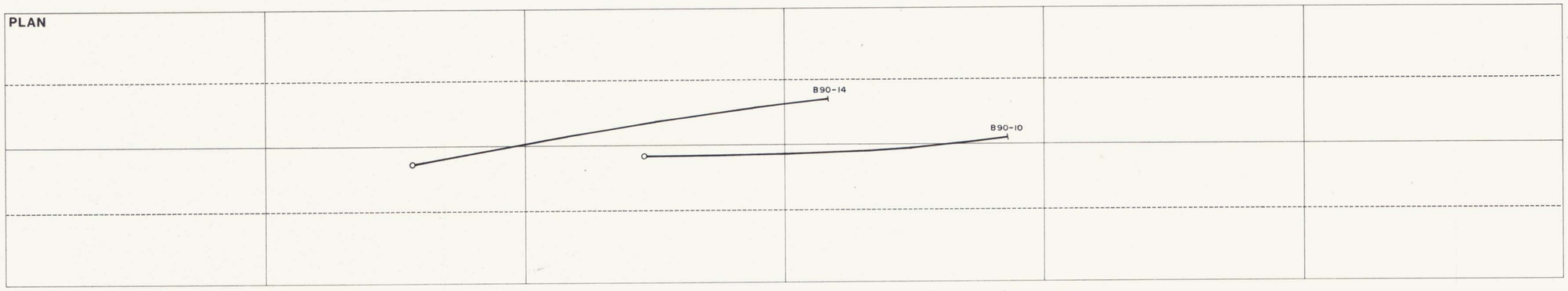
Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	12

MAP# 106-D-7 (4)

S

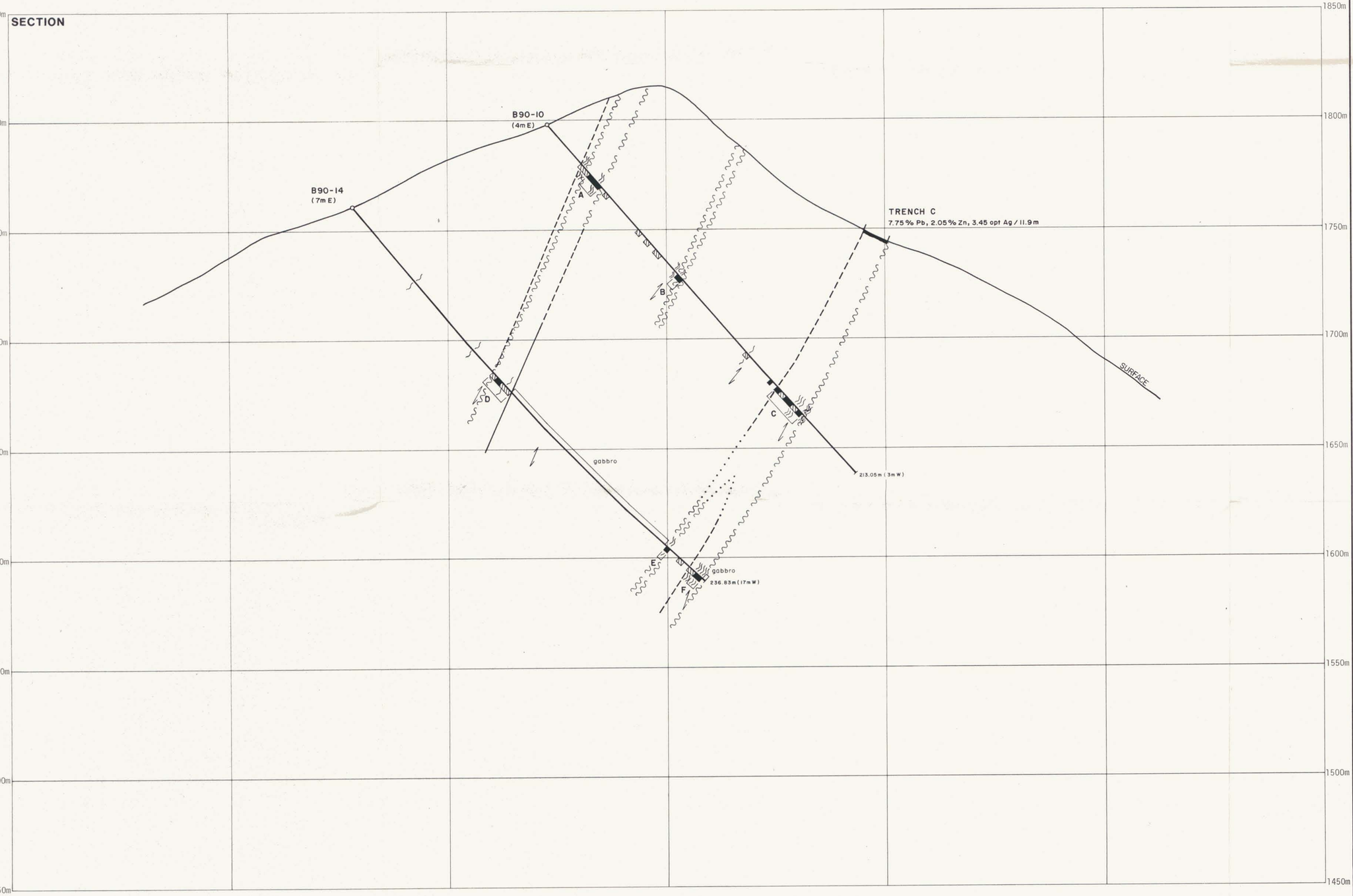
N

PLAN



10100 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10100 E

SECTION



LEGEND

- 1-5% Pb+Zn
- >5% Pb+Zn
- Gabbro — Geology
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		4.25		7.74		2.36	7.88
B		2.03		5.72		0.93	3.83
C		4.42		1.66		0.97	12.08
D		0.21		3.03		0.29	10.90
E		6.05		2.61		1.36	2.18
F		1.60		4.90		0.33	4.30

* non sulphide

Metres
0 50 100
0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

092942

DIAMOND DRILL HOLE CROSS-SECTION
10100 E
DDH# B90-10, 14
FACING GRID WEST

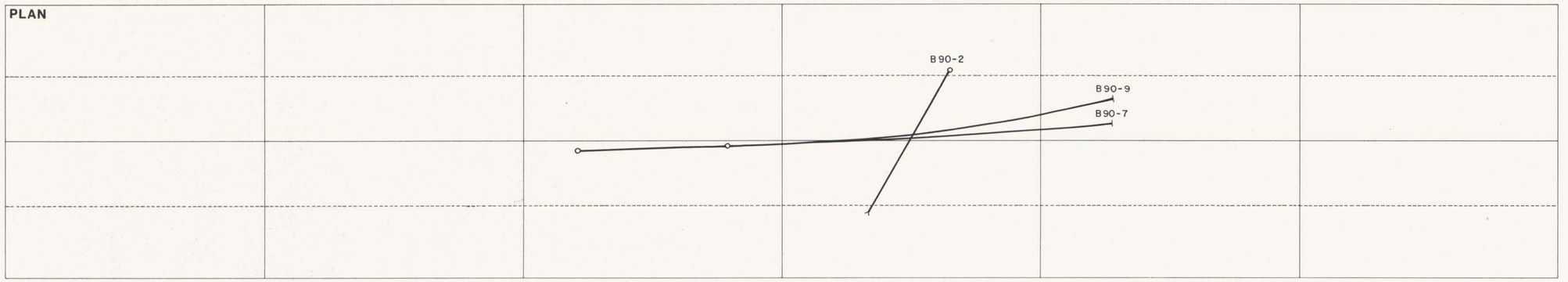
Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	13

(142) MAP# 106-D-7

S

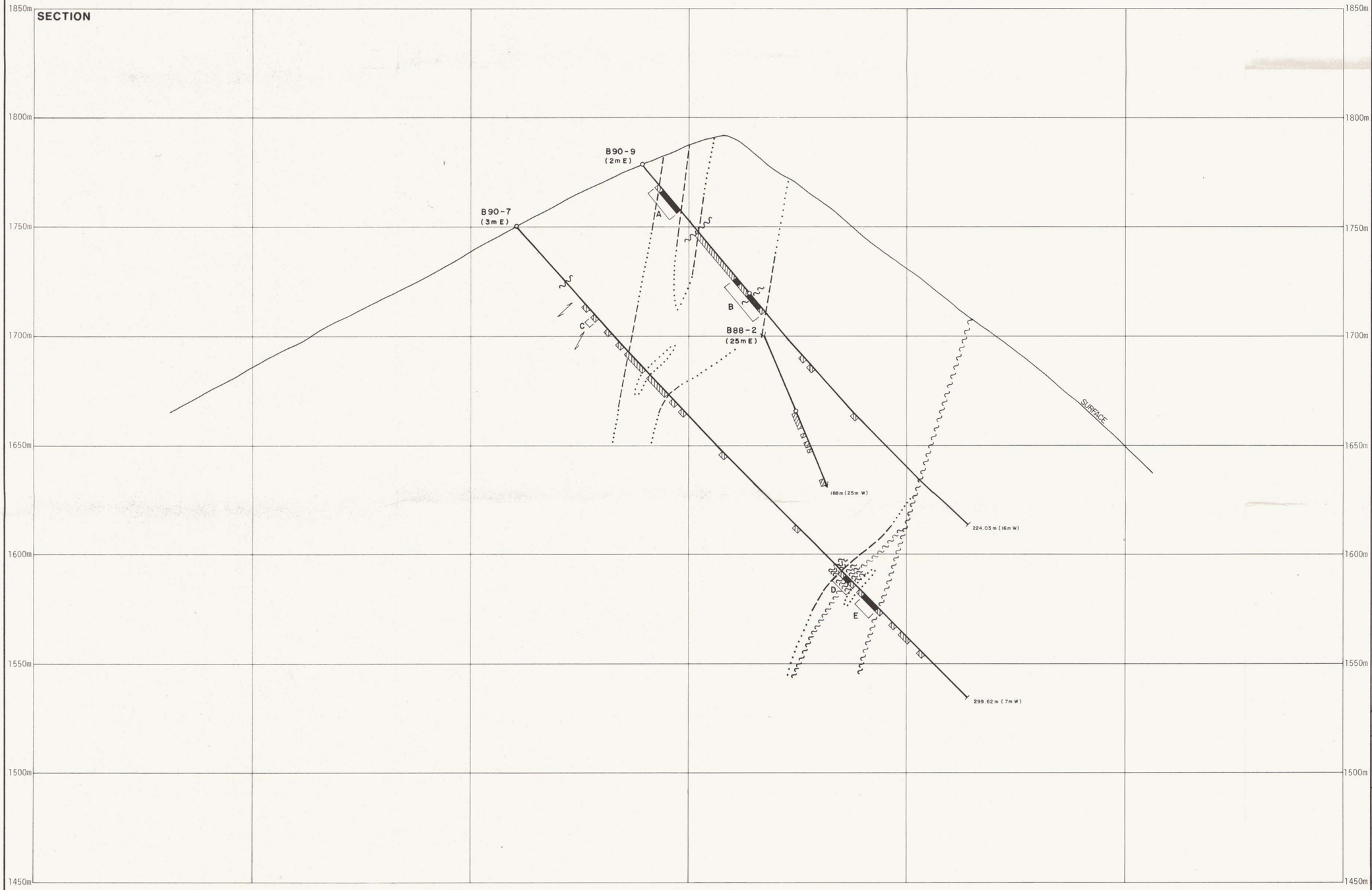
N

PLAN



10200 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10200 E

SECTION



LEGEND

- 1-5% Pb+Zn
- >5% Pb+Zn
- Geology (dolstone)
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		7.13		8.20		3.46	11.92
B		5.65		2.25		2.09	17.57
C		0.42		3.64		0.10	3.00
D		2.41		1.77		0.84	9.00
E		4.25		1.90		4.59	9.00

* non sulphide

Metres
0 50 100
0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION 10200 E
DDH# B88-2, , B90-7, 9
FACING GRID WEST

092942

(143) MAP# 106-D-7

Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	14

S

N

PLAN

B88-2

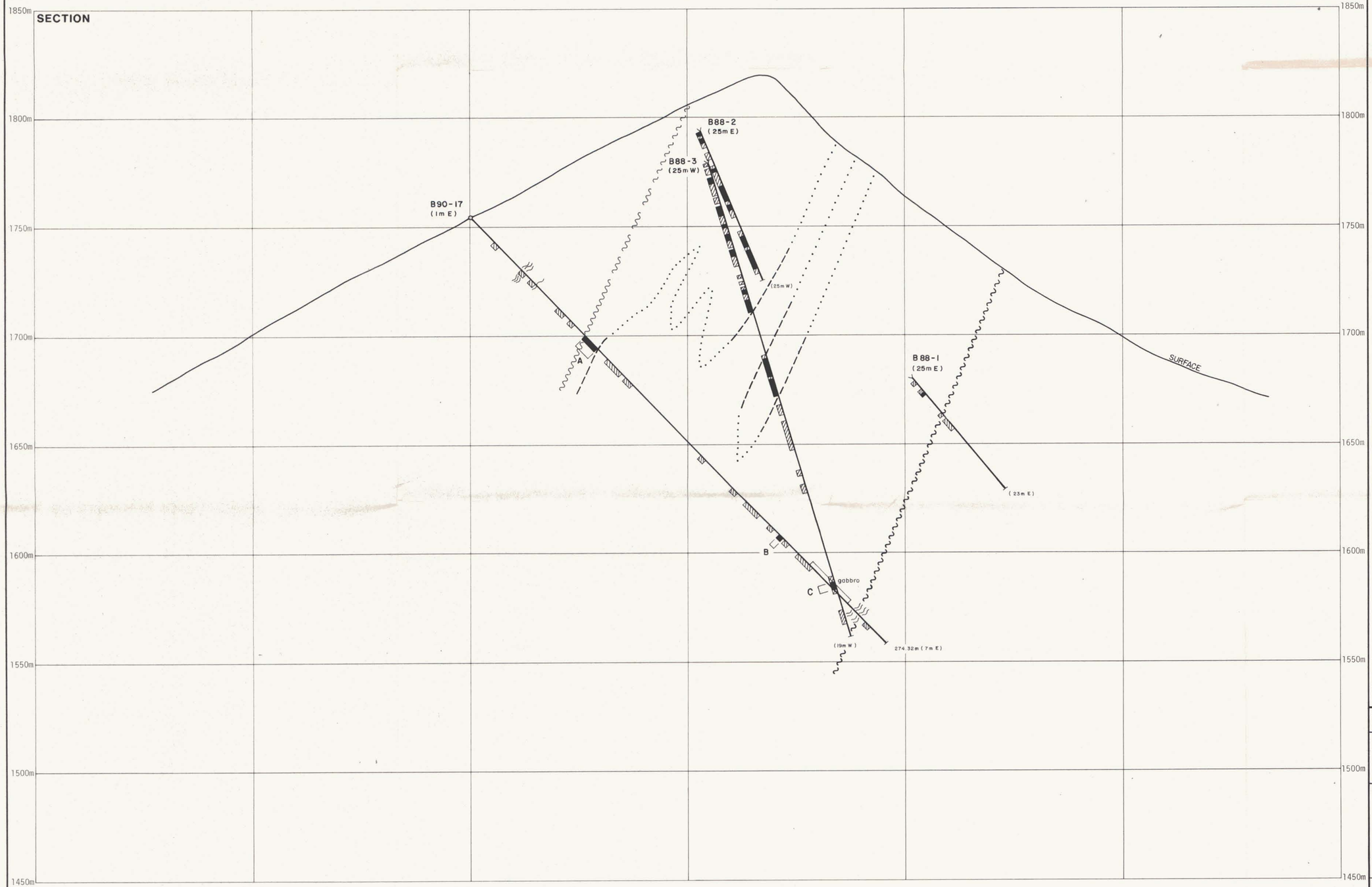
B88-3

B90-17

B88-1

10250 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10250 E

SECTION



LEGEND

- 1-5% Pb+Zn
- >5% Pb+Zn
- gabbro — Geology
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		7.94		3.21		1.95	8.42
B		3.70		2.25		0.58	2.20
C		2.37		2.77		0.80	3.04

* non sulphide

Metres 0 50 100

Feet 0 100 200 300

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION 10250 E

DDH# B88-1, 2, 3, B90-17

FACING GRID WEST

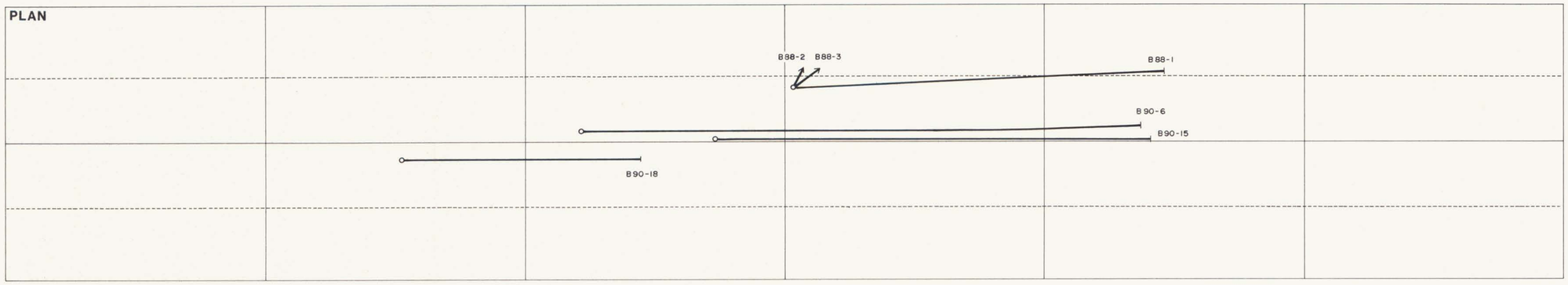
092942

Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	15

MAP # 106-D-7 (144)

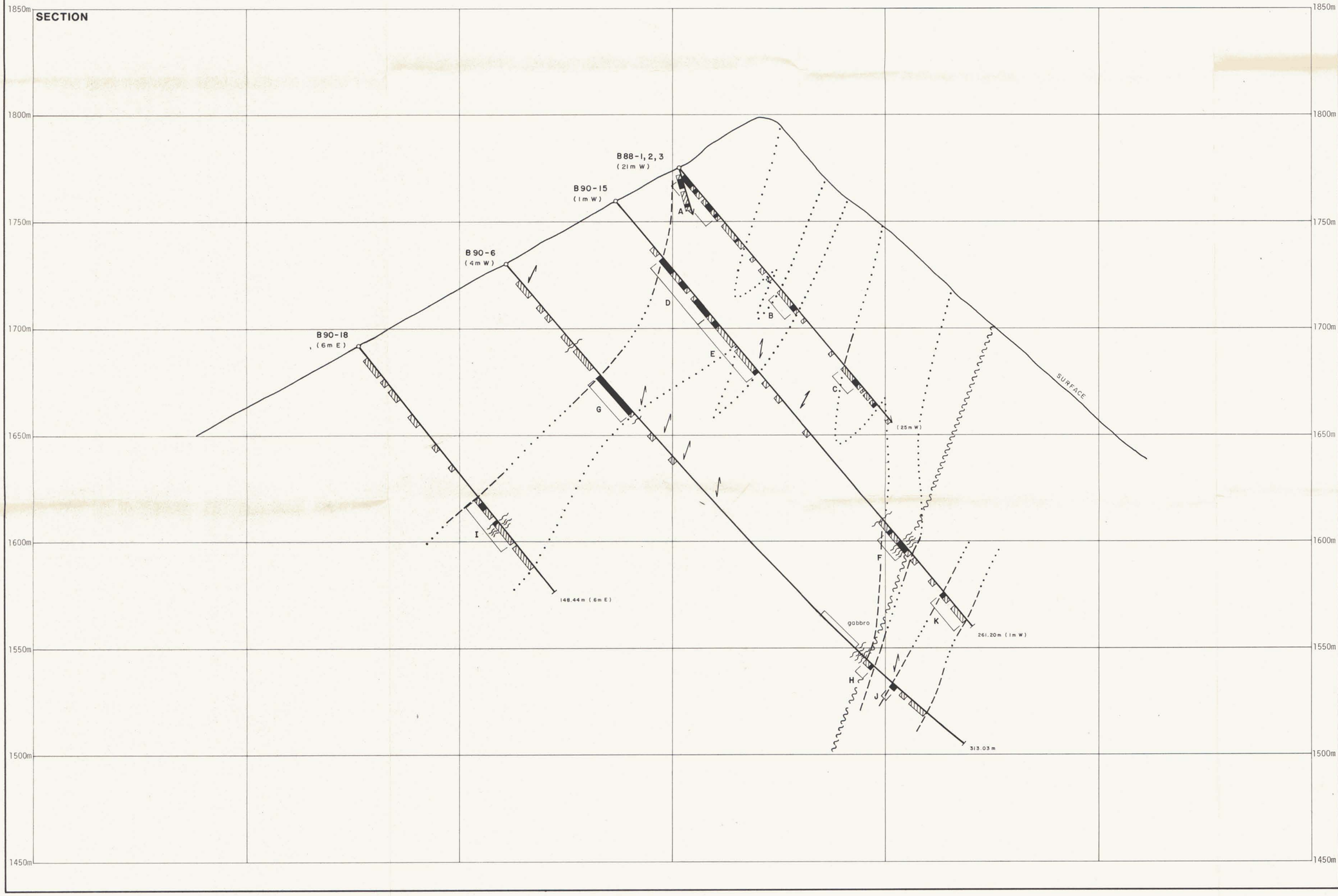
S N

PLAN



10300 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10300 E

SECTION



LEGEND

- 1.5% Pb+Zn
- >5% Pb+Zn
- Geology (Gabbro)
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		3.46		3.28		1.36	24.69
B		2.71		2.11		1.77	11.88
C		2.33		0.87		1.03	11.27
D		7.77		3.68		5.58	34.55
E		2.43		0.93		3.82	35.30
F		3.69		4.64		1.11	12.85
G		7.97		2.52		3.30	22.91
H		1.09		3.16		0.46	4.63
I		1.33		2.11		0.68	26.90
J		2.14		3.17		1.07	3.00
K		1.71		1.41		0.66	16.58

* non sulphide

Metres
0 50 100
0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION
10300 E
DDH# B90-6,15,18
FACING GRID WEST

092942

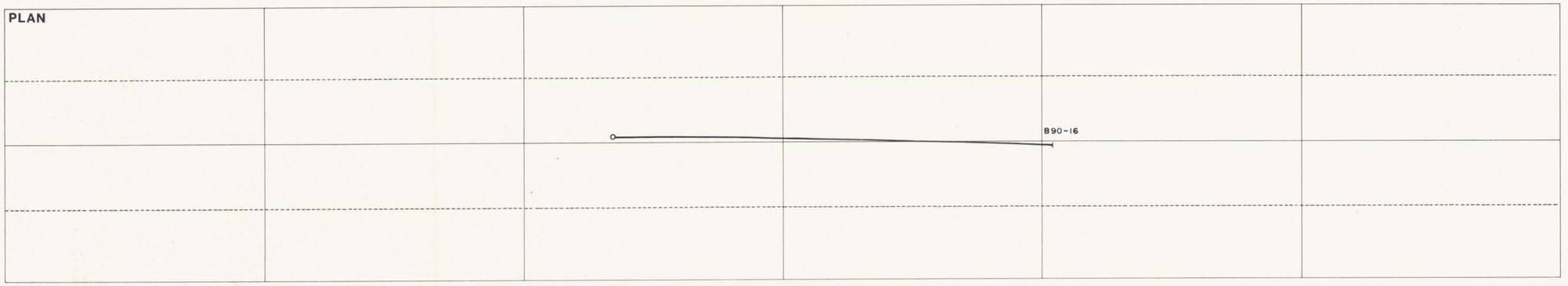
MAP# 106-D-7 (45)

Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	16

S

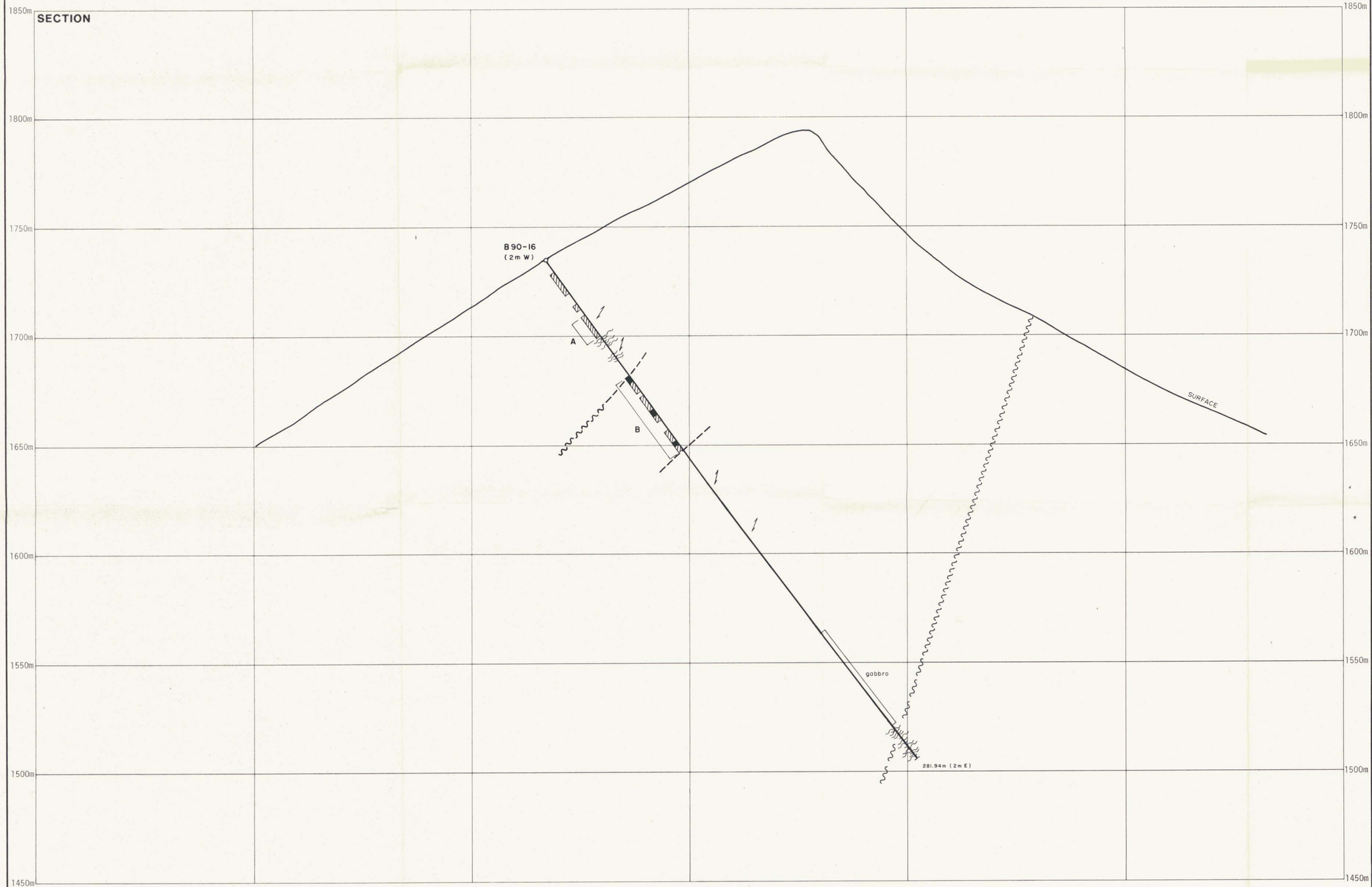
N

PLAN



10350 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10350 E

SECTION



LEGEND

- 1.5% Pb+Zn
- >5% Pb+Zn
- Geology (gabbro)
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		2.79		1.72		0.93	12.00
B		2.98		1.02		0.68	38.71
C							
D							
E							
F							
G							

* non sulphide

Metres
0 50 100
0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION
10350 E
DDH# B90-16
FACING GRID WEST

092942

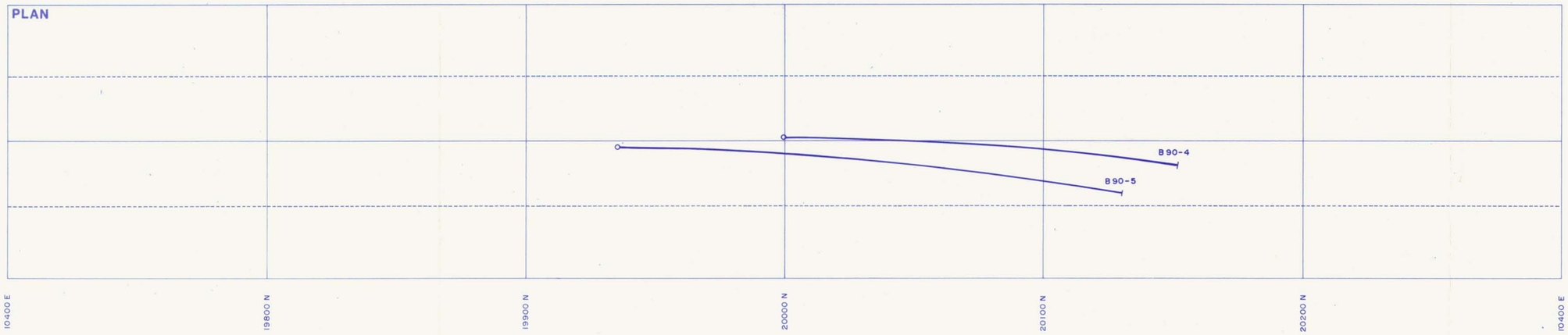
Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	17

MAP# 106-D-7
(46)

S

N

PLAN



SECTION

LEGEND

- 1.5% Pb+Zn
- >5% Pb+Zn
- Geology (dabbro)
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		5.08		3.06		1.40	24.09
B		2.87		1.35		1.82	18.75
C		7.90		2.64		4.83	6.00
D		5.91		2.22		0.82	5.93
E		3.22		3.42		1.51	30.34
F		0.57		2.75		0.23	15.60
G		2.15		5.13		0.02	3.00

* non sulphide

Metres
0 50 100
0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION
10400 E
DDH# B90-4, 5
FACING GRID WEST

092942

Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	18

(47) MAP# 106-D-7

S N

PLAN

B 90-8

10500 E | 19800 N | 19900 N | 20000 N | 20100 N | 20200 N | 10500 E

SECTION

1850m
1800m
1750m
1700m
1650m
1600m
1550m
1500m
1450m

B 90-8
(2m E)

A

118.87m (2m E)

SURFACE

LEGEND

- 1.5% Pb+Zn
- >5% Pb+Zn
- Gabbro — Geology
- Shearing
- Cleavage (angle to core axis)
- Assay boundary (defined, approximate, assumed) >1% Pb+Zn
- Fault (defined, approximate, assumed)

	Cu %	Pb %	Pb %*	Zn %	Zn %*	Ag (opt)	width (m)
A		1.56		1.65		0.69	11.00
B							
C							
D							
E							
F							
G							

* non sulphide

Metres
0 50 100
0 100 200 300
Feet

BILLITON METALS CANADA INC.

BLENDE PROJECT
YUKON TERRITORY

DIAMOND DRILL HOLE CROSS-SECTION
10500 E
DDH# B90-8
FACING GRID WEST 092942

Geologist:	Scale:	NTS:	Date:	Plan#:
G. Lutes	1:1,000	106D/7	Nov. 1990	19

MAP#106-D-7 (48)

APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby delcare:

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in Yukon Territory and on June 1, 1981, I became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

W. Douglas Eaton, B.A., B.Sc.

APPENDIX II

LIST OF PERSONNEL

1990 BLENDE PERSONNEL

NAME	POSITION
Glenn Lutes	Project Supervisor (Billiton)
Doug Eaton	Project Supervisor (Archer, Cathro)
Frank Gish	Camp Manager
Mike Phillips	Geologist/Core Logger
Dave Parry	Geologist/Mapper
Dan Bulat	Core Splitter/Geological Assistant
Brent McNiven	Core Splitter/Geological Assistant
Greg Evancio	Core Splitter/Geological Assistant
Colin Kreller	Core Splitter/Geological Assistant
Kevin Stewart	Fieldperson
Gord McIntosh	Fieldperson
Kelly Owerko	Fieldperson
Linda Burnett	Cook
Russell Tough	Cook

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 24-JUN-90
Invoice No. : I-9017017
P.O. Number :

CERTIFICATE OF ANALYSIS A9017017

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T8801	208 272	< 0.01	0.07	0.06	0.03
T8802	208 272	< 0.01	0.18	0.08	0.07
T8803	208 272	< 0.01	0.30	0.06	0.06
T8804	208 272	< 0.01	0.25	0.08	0.07
T8805	208 272	< 0.01	0.14	0.06	0.04
T8806	208 272	< 0.01	0.10	0.05	0.03
T8807	208 272	< 0.01	0.11	0.13	0.04
T8808	208 272	< 0.01	0.17	0.10	0.05
T8809	208 272	< 0.01	0.10	0.12	0.03
T8810	208 272	< 0.01	0.18	0.20	0.05
T8811	208 272	< 0.01	0.17	0.22	0.05
T8812	208 272	< 0.01	0.32	0.08	0.07
T8813	208 272	< 0.01	1.33	0.30	0.23
T8814	208 272	< 0.01	2.75	0.29	0.54
T8815	208 272	< 0.01	0.26	0.09	0.06
T8816	208 272	< 0.01	2.21	1.47	0.45
T8817	208 272	< 0.01	0.20	0.11	0.05
T8818	208 272	< 0.01	0.39	0.25	0.10
T8819	208 272	0.01	2.69	2.77	0.78
T8820	208 272	0.02	12.60	7.24	2.87
T8821	208 272	< 0.01	3.73	1.53	0.82
T8822	208 272	0.01	7.26	4.33	2.07
T8823	208 272	0.01	5.83	3.89	1.84
T8824	208 272	0.01	3.65	1.94	1.18
T8825	208 272	< 0.01	2.52	1.75	0.76
T8826	208 272	< 0.01	2.32	1.82	0.85
T8827	208 272	< 0.01	1.03	0.64	0.43
T8828	208 272	< 0.01	0.13	0.15	0.07
T8829	208 272	< 0.01	1.10	0.17	0.35
T8830	208 272	< 0.01	0.20	0.32	0.09
T8831	208 272	< 0.01	0.43	1.04	0.17
T8832	208 272	< 0.01	0.34	0.46	0.15
T8833	208 272	0.01	1.38	1.29	0.68
T8834	208 272	0.01	1.57	1.12	0.61
T8835	208 272	0.03	8.05	5.73	3.73
T8836	208 272	< 0.01	0.89	0.41	0.33
T8837	208 272	< 0.01	2.27	1.05	0.97

092942

CERTIFICATION: W. Glen Bradshaw

Chemex Labs Ltd.

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

TO: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 7-JUL-90
Invoice No. : I-9017521
P.O. Number :

CERTIFICATE OF ANALYSIS A9017521

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T8838	208 272	< 0.01	4.79	2.25	3.18
T8839	208 272	< 0.01	5.93	2.19	4.48
T8840	208 272	< 0.01	1.83	0.90	0.95
T8841	208 272	< 0.01	2.37	1.22	1.88
T8842	208 272	< 0.01	0.40	0.19	0.23
T8843	208 272	< 0.01	0.46	0.22	0.23
T8844	208 272	< 0.01	0.68	0.17	0.32
T8845	208 272	0.01	6.03	2.51	2.99
T8846	208 272	0.02	9.78	2.77	6.67
T8847	208 272	< 0.01	0.86	0.15	0.33
T8848	208 272	< 0.01	0.61	0.04	0.30
T8849	208 272	< 0.01	0.95	0.80	0.38
T8850	208 272	< 0.01	0.31	0.33	0.14
T8851	208 272	< 0.01	0.16	0.46	0.09
T8852	208 272	< 0.01	0.08	0.15	0.04
T8853	208 272	< 0.01	0.30	0.49	0.09
T8854	208 272	< 0.01	0.95	1.11	0.41
T8855	208 272	< 0.01	0.09	0.12	0.05
T8856	208 272	< 0.01	0.01	0.02	0.01
T8857	208 272	< 0.01	0.09	0.15	0.05
T8858	208 272	< 0.01	0.02	0.01	0.02
T8859	208 272	< 0.01	0.02	0.01	0.02
T8860	208 272	< 0.01	0.06	0.05	0.02
T8861	208 272	< 0.01	0.02	0.04	0.02
T8862	208 272	< 0.01	0.02	0.04	0.02
T8863	208 272	< 0.01	0.21	0.63	0.07
T8864	208 272	< 0.01	0.37	0.51	0.12
T8865	208 272	< 0.01	0.08	0.03	0.08
T8866	208 272	< 0.01	0.07	0.13	0.05
T8867	208 272	< 0.01	0.10	0.56	0.05
T8868	208 272	< 0.01	0.11	0.39	0.06
T8869	208 272	< 0.01	0.33	1.09	0.14
T8870	208 272	< 0.01	0.28	0.43	0.08
T8871	208 272	< 0.01	0.18	0.27	0.06
T8872	208 272	0.01	0.46	0.72	0.10
T8873	208 272	< 0.01	0.18	0.12	0.03
T8874	208 272	< 0.01	0.16	1.08	0.04
T8875	208 272	0.01	14.30	2.61	1.72
T8876	208 272	< 0.01	2.25	0.80	0.38
T8877	208 272	0.01	2.21	2.86	0.45

CERTIFICATION: B Stwade

Chemex Labs Ltd.

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

TO: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 7-JUL-90
Invoice No. : I-9017521
P.O. Number :

CERTIFICATE OF ANALYSIS A9017521

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T						
T8878	208 272	< 0.01	0.07	1.36	0.05						
T8879	208 272	< 0.01	0.07	0.29	0.03						
T8880	208 272	< 0.01	0.04	0.04	0.02						
T8881	208 272	< 0.01	0.13	0.07	0.05						
T8882	208 272	< 0.01	< 0.01	< 0.01	0.01						
T8883	208 272	< 0.01	0.01	0.02	0.01						
T8884	208 272	< 0.01	0.01	< 0.01	0.01						
T8885	208 272	< 0.01	0.04	0.12	0.01						
T8886	208 272	< 0.01	0.03	0.06	0.01						
T8887	208 272	< 0.01	0.05	0.63	0.03						
T8888	208 272	< 0.01	0.04	0.11	0.02						
T8889	208 272	< 0.01	0.11	0.07	0.04						
T8890	208 272	< 0.01	0.20	0.85	0.07						
T8891	208 272	< 0.01	0.02	0.04	0.02						
T8892	208 272	< 0.01	0.05	0.06	0.02						
T8893	208 272	< 0.01	0.03	0.08	0.01						
T8894	208 272	< 0.01	1.16	1.78	0.26						
T8895	208 272	< 0.01	1.28	3.11	0.44						
T8896	208 272	< 0.01	0.50	0.14	0.07						
T8897	208 272	< 0.01	0.59	0.25	0.11						
T8898	208 272	< 0.01	0.07	0.07	0.03						

CERTIFICATION: B. Grande

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 11-JUL-90
Invoice No. : I-9017779
P.O. Number :

CERTIFICATE OF ANALYSIS A9017779

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T8899	208 294	< 0.01	0.80	0.80	0.24
T8900	208 294	< 0.01	1.52	1.31	0.36
T8901	208 294	< 0.01	2.01	2.05	0.50
T8902	208 294	< 0.01	2.19	2.96	0.55
T8903	208 294	< 0.01	0.73	0.80	0.17
T8904	208 294	< 0.01	0.95	1.08	0.21
T8905	208 294	0.01	3.82	3.18	0.82
T8906	208 294	0.01	5.25	7.72	1.67
T8907	208 294	0.01	2.77	3.37	1.53
T8908	208 294	0.01	8.53	8.72	6.42
T8909	208 294	< 0.01	5.94	4.56	4.06
T8910	208 294	< 0.01	0.62	0.11	0.31
T8911	208 294	< 0.01	0.11	0.04	0.06
T8912	208 294	0.02	0.01	0.02	0.04
T8913	208 294	0.04	0.02	0.01	0.04
T8914	208 294	0.03	0.01	0.01	0.03
T8915	208 294	0.04	0.09	0.01	0.07
T8916	208 294	0.02	0.01	0.01	0.02
T8917	208 294	0.03	0.13	0.04	0.06
T8918	208 294	0.01	0.12	0.18	0.04
T8919	208 294	< 0.01	0.91	2.09	0.30
T8920	208 294	< 0.01	0.61	0.60	0.19
T8921	208 294	< 0.01	0.34	1.40	0.13
T8922	208 294	< 0.01	0.54	8.08	0.34
T8923	208 294	< 0.01	0.29	4.32	0.17
T8924	208 294	0.01	0.56	0.78	0.23
T8925	208 294	< 0.01	0.12	0.14	0.05
T8926	208 294	< 0.01	0.16	0.15	0.08
T8927	208 294	< 0.01	0.10	0.10	0.05
T8928	208 294	< 0.01	0.10	0.06	0.09
T8929	208 294	< 0.01	0.12	0.07	0.09
T8930	208 294	< 0.01	0.10	0.20	0.06
T8931	208 294	< 0.01	0.10	0.07	0.05
T8932	208 294	< 0.01	0.16	0.32	0.07
T8933	208 294	< 0.01	0.05	0.11	0.03
T8934	208 294	< 0.01	0.07	0.18	0.03
T8935	208 294	< 0.01	0.07	0.28	0.12
T8936	208 294	< 0.01	0.07	0.05	0.06
T8937	208 294	0.05	0.03	0.04	1.65
T8938	208 294	< 0.01	0.04	0.02	0.06

CERTIFICATION: B. Gwatkin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 11-JUL-90
Invoice No. : I-9017779
P.O. Number :

CERTIFICATE OF ANALYSIS A9017779

SAMPLE DESCRIPTION	PREP CODE		Cu %	Pb %	Zn %	Ag oz/T
T8939	208	294	< 0.01	0.46	0.04	0.19
T8940	208	294	< 0.01	0.08	< 0.01	0.06
T8941	208	294	< 0.01	< 0.01	< 0.01	0.06
T8942	208	294	< 0.01	0.49	0.08	0.13
T8943	208	294	< 0.01	0.02	0.03	0.03
T8944	208	294	< 0.01	0.03	< 0.01	0.04
T8945	208	294	< 0.01	0.11	0.01	0.06
T8946	208	294	0.02	2.15	5.13	0.82
T8947	208	294	< 0.01	0.19	0.04	0.09
T8948	208	294	< 0.01	0.46	0.03	0.20
T8949	208	294	< 0.01	0.39	0.31	0.15
T8950	208	294	< 0.01	0.02	< 0.01	0.06
T8951	208	294	0.02	0.02	< 0.01	0.05
T8952	208	294	< 0.01	< 0.01	< 0.01	0.03
T8953	208	294	< 0.01	0.03	< 0.01	0.03
T8954	208	294	< 0.01	0.01	< 0.01	0.04
T8955	208	294	< 0.01	< 0.01	< 0.01	0.02
T8956	208	294	< 0.01	0.01	< 0.01	0.02
T8957	208	294	< 0.01	0.24	0.12	0.06
T8958	208	294	< 0.01	< 0.01	0.01	0.02
T8959	208	294	< 0.01	< 0.01	< 0.01	0.01
T8960	208	294	< 0.01	< 0.01	< 0.01	0.02
T8961	208	294	< 0.01	0.01	< 0.01	0.01
T8962	208	294	< 0.01	0.12	< 0.01	0.04
T8963	208	294	< 0.01	0.01	< 0.01	0.02
T8964	208	294	< 0.01	0.02	0.01	0.07
T8965	208	294	< 0.01	0.03	0.08	0.02
T8966	208	294	< 0.01	0.04	0.07	0.03
T8967	208	294	< 0.01	0.25	0.26	0.10
T8968	208	294	< 0.01	0.40	0.08	0.14
T8969	208	294	< 0.01	0.36	0.04	0.26
T8970	208	294	< 0.01	0.17	0.03	0.05
T8971	208	294	< 0.01	0.05	0.08	0.03
T8972	208	294	< 0.01	1.42	0.61	0.24
T8973	208	294	< 0.01	1.49	0.18	0.15
T8974	208	294	< 0.01	0.21	0.11	0.06
T8975	208	294	< 0.01	0.10	0.21	0.04
T8976	208	294	< 0.01	0.13	0.07	0.05
T8977	208	294	0.01	0.49	2.11	0.14
T8978	208	294	< 0.01	0.30	0.30	0.10

CERTIFICATION: B. Thwaites

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-JUL-90
Invoice No. : I-9018127
P.O. Number :

CERTIFICATE OF ANALYSIS A9018127

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %						
T9084	208 294	0.02	< 0.01	0.03	0.07						
T9085	208 294	0.02	< 0.01	0.01	0.03						
T9086	208 294	0.03	< 0.01	0.08	0.10						
T9087	208 294	0.10	< 0.01	0.02	0.21						
T9088	208 294	0.03	< 0.01	0.09	0.41						
T9089	208 294	0.01	< 0.01	0.02	0.04						
T9090	208 294	0.01	< 0.01	0.01	0.05						
T9091	208 294	0.01	< 0.01	< 0.01	0.09						
T9092	208 294	0.04	< 0.01	0.04	0.55						
T9093	208 294	0.03	< 0.01	0.03	0.41						
T9094	208 294	0.01	< 0.01	0.02	0.22						
T9095	208 294	0.03	< 0.01	0.02	0.22						
T9096	208 294	0.03	< 0.01	0.03	0.60						
T9097	208 294	0.01	< 0.01	0.03	0.12						
T9098	208 294	0.05	< 0.01	0.10	0.86						
T9099	208 294	0.05	< 0.01	0.10	0.95						
T9100	208 294	0.05	< 0.01	0.08	0.31						
T9101	208 294	0.18	< 0.01	0.42	3.64						
T9102	208 294	0.03	< 0.01	0.08	0.09						
T9103	208 294	0.10	< 0.01	0.36	0.11						
T9104	208 294	0.28	< 0.01	1.27	0.89						
T9105	208 294	0.09	< 0.01	0.29	0.24						
T9106	208 294	0.05	< 0.01	0.11	0.23						
T9107	208 294	0.08	< 0.01	0.22	2.42						
T9108	208 294	0.07	< 0.01	0.26	0.35						
T9109	208 294	0.16	< 0.01	0.41	0.82						
T9110	208 294	0.37	< 0.01	1.11	0.99						
T9111	208 294	0.53	< 0.01	1.36	1.33						
T9112	208 294	0.40	< 0.01	1.24	0.58						
T9113	208 294	0.11	< 0.01	0.37	0.08						
T9114	208 294	0.24	< 0.01	0.94	2.43						
T9115	208 294	0.20	< 0.01	0.54	2.57						

CERTIFICATION:

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-JUL-90
Invoice No. : I-9018142
P.O. Number :

CERTIFICATE OF ANALYSIS A9018142

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T 9061	208 294	0.01	0.35	0.58	0.09
T 9062	208 294	0.01	0.41	0.28	0.13
T 9063	208 294	< 0.01	0.71	2.56	0.35
T 9064	208 294	0.01	1.80	4.26	0.65
T 9065	208 294	< 0.01	0.06	0.08	0.04
T 9066	208 294	< 0.01	0.04	0.04	0.02
T 9067	208 294	< 0.01	0.02	0.01	0.02
T 9068	208 294	0.01	0.17	0.45	0.16
T 9069	208 294	0.01	2.14	3.17	1.87
T 9070	208 294	< 0.01	0.34	0.62	0.34
T 9071	208 294	< 0.01	2.05	2.42	1.32
T 9072	208 294	< 0.01	0.37	0.48	0.26
T 9073	208 294	< 0.01	1.20	0.86	1.20
T 9074	208 294	< 0.01	1.62	0.69	1.91
T 9075	208 294	< 0.01	0.85	0.28	0.33
T 9076	208 294	< 0.01	0.17	0.21	0.08
T 9077	208 294	< 0.01	0.06	0.04	0.03
T 9078	208 294	< 0.01	0.08	0.05	0.07
T 9079	208 294	< 0.01	0.53	0.19	0.37
T 9080	208 294	< 0.01	0.73	0.29	0.53
T 9081	208 294	< 0.01	0.51	0.16	0.33
T 9082	208 294	< 0.01	0.16	0.11	0.13
T 9083	208 294	< 0.01	0.09	0.05	0.07

CERTIFICATION: B. Charter

Chemex Labs Ltd.

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

TO: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-JUL-90
Invoice No. : I-9018198
P.O. Number :

CERTIFICATE OF ANALYSIS A9018198

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T 9023	208 272	< 0.01	0.03	0.16	0.01
T 9024	208 272	< 0.01	0.01	0.01	0.01
T 9025	208 272	< 0.01	0.03	0.04	0.02
T 9026	208 272	< 0.01	0.01	< 0.01	0.02
T 9027	208 272	< 0.01	0.09	0.12	0.05
T 9028	208 272	< 0.01	0.02	0.02	0.01
T 9029	208 272	< 0.01	0.03	0.03	0.04
T 9030	208 272	< 0.01	0.01	0.01	0.01
T 9031	208 272	< 0.01	0.01	0.01	0.02
T 9032	208 272	< 0.01	0.02	0.07	0.02
T 9033	208 272	< 0.01	0.04	0.12	0.03
T 9034	208 272	< 0.01	0.02	0.01	0.02
T 9035	208 272	< 0.01	0.01	< 0.01	0.01
T 9036	208 272	< 0.01	0.02	< 0.01	0.01
T 9037	208 272	< 0.01	0.07	< 0.01	0.05
T 9038	208 272	< 0.01	0.03	< 0.01	0.03
T 9039	208 272	< 0.01	0.07	< 0.01	0.03
T 9040	208 272	< 0.01	0.10	< 0.01	0.02
T 9041	208 272	< 0.01	0.10	< 0.01	0.03
T 9042	208 272	< 0.01	0.08	0.03	0.02
T 9043	208 272	< 0.01	0.24	< 0.01	0.08
T 9044	208 272	< 0.01	0.02	< 0.01	0.01
T 9045	208 272	< 0.01	0.04	< 0.01	0.02
T 9046	208 272	< 0.01	0.01	< 0.01	0.03
T 9047	208 272	< 0.01	0.02	< 0.01	0.01
T 9048	208 272	< 0.01	0.03	0.01	0.03
T 9049	208 272	< 0.01	0.01	0.01	0.01
T 9050	208 272	< 0.01	0.02	0.01	0.01
T 9051	208 272	< 0.01	0.03	< 0.01	0.01
T 9052	208 272	< 0.01	0.01	< 0.01	< 0.01
T 9053	208 272	0.04	< 0.01	< 0.01	0.01
T 9054	208 272	0.04	< 0.01	< 0.01	0.01
T 9055	208 272	0.02	< 0.01	< 0.01	0.01
T 9056	208 272	0.01	< 0.01	< 0.01	0.01
T 9057	208 272	0.02	0.01	< 0.01	0.01
T 9058	208 272	0.01	0.01	< 0.01	0.02
T 9059	208 272	0.01	0.01	< 0.01	0.01
T 9060	208 272	0.01	0.44	0.04	0.08

CERTIFICATION:

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 17-JUL-90
Invoice No. : I-9018263
P.O. Number :

CERTIFICATE OF ANALYSIS A9018263

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T 8979	208 272	< 0.01	0.31	0.13	0.10
T 8980	208 272	< 0.01	0.32	0.39	0.10
T 8981	208 272	0.01	2.00	1.53	0.58
T 8982	208 272	< 0.01	0.88	0.43	0.26
T 8983	208 272	< 0.01	0.94	0.28	0.18
T 8984	208 272	< 0.01	0.71	0.20	0.14
T 8985	208 272	< 0.01	0.04	0.02	0.02
T 8986	208 272	< 0.01	1.34	0.40	0.31
T 8987	208 272	< 0.01	0.73	0.26	0.19
T 8988	208 272	< 0.01	1.72	0.84	0.44
T 8989	208 272	< 0.01	0.15	0.08	0.06
T 8990	208 272	< 0.01	0.19	0.07	0.07
T 8991	208 272	< 0.01	0.75	0.18	0.16
T 8992	208 272	< 0.01	1.48	0.48	0.31
T 8993	208 272	< 0.01	1.24	0.25	0.29
T 8994	208 272	< 0.01	0.32	0.12	0.09
T 8995	208 272	< 0.01	2.79	0.46	0.61
T 8996	208 272	0.01	2.66	0.93	0.66
T 8997	208 272	< 0.01	1.20	0.63	0.30
T 8998	208 272	< 0.01	2.34	0.76	0.50
T 8999	208 272	< 0.01	0.60	0.20	0.15
T 9000	208 272	< 0.01	0.54	0.24	0.15
T 9001	208 272	0.04	15.50	6.01	7.73
T 9002	208 272	0.01	8.37	2.54	3.66
T 9003	208 272	0.01	7.64	3.21	2.77
T 9004	208 272	< 0.01	4.80	0.44	1.31
T 9005	208 272	0.01	7.32	1.61	3.01
T 9006	208 272	0.01	9.01	1.49	4.16
T 9007	208 272	< 0.01	5.92	2.22	1.87
T 9008	208 272	< 0.01	3.64	2.65	1.09
T 9009	208 272	< 0.01	2.08	1.10	0.55
T 9010	208 272	< 0.01	0.55	0.21	0.15
T 9011	208 272	< 0.01	0.40	0.37	0.11
T 9012	208 272	< 0.01	0.17	0.23	0.06
T 9013	208 272	< 0.01	0.05	0.08	0.03
T 9014	208 272	< 0.01	0.36	0.87	0.13
T 9015	208 272	< 0.01	0.43	0.46	0.14
T 9016	208 272	< 0.01	0.08	0.08	0.05
T 9017	208 272	< 0.01	0.26	0.41	0.11
T 9018	208 272	< 0.01	0.13	0.29	0.07

CERTIFICATION: B. Thwaites

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 17-JUL-90
Invoice No. : I-9018263
P.O. Number :

CERTIFICATE OF ANALYSIS A9018263

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T 9019	208 272	< 0.01	0.61	0.68	0.19
T 9020	208 272	< 0.01	0.04	0.05	0.03
T 9021	208 272	< 0.01	0.01	0.03	< 0.01
T 9022	208 272	< 0.01	0.01	0.10	0.01

CERTIFICATION: B. Stewart

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 19-JUL-90
Invoice No. : I-9018696
P.O. Number :

CERTIFICATE OF ANALYSIS A9018696

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T9116	208 272	< 0.01	0.23	0.74	0.08
T9117	208 272	< 0.01	0.23	1.15	0.10
T9118	208 272	< 0.01	0.08	0.42	0.04
T9119	208 272	< 0.01	0.76	1.01	0.33
T9120	208 272	< 0.01	0.30	0.51	0.12
T9121	208 272	0.01	0.53	1.02	0.29
T9122	208 272	< 0.01	0.16	0.10	0.05
T9123	208 272	< 0.01	0.02	0.01	0.01
T9124	208 272	< 0.01	0.01	0.01	0.02
T9125	208 272	< 0.01	0.25	0.30	0.09
T9126	208 272	< 0.01	0.39	0.15	0.14
T9127	208 272	< 0.01	0.56	0.13	0.20
T9128	208 272	< 0.01	0.44	0.17	0.12
T9129	208 272	< 0.01	0.31	0.26	0.07
T9130	208 272	0.01	0.82	0.53	0.19
T9131	208 272	0.01	0.37	0.30	0.12
T9132	208 272	< 0.01	0.10	0.06	0.03
T9133	208 272	< 0.01	0.12	0.03	0.05
T9134	208 272	< 0.01	0.16	0.06	0.09
T9135	208 272	< 0.01	0.03	0.01	0.01
T9136	208 272	< 0.01	0.04	0.01	0.02
T9137	208 272	< 0.01	0.02	0.02	0.01
T9138	208 272	< 0.01	0.09	0.05	0.02
T9139	208 272	< 0.01	0.06	0.02	0.02
T9140	208 272	< 0.01	0.04	0.02	0.02
T9141	208 272	< 0.01	0.02	0.01	< 0.01
T9142	208 272	< 0.01	0.11	0.24	0.03
T9143	208 272	0.01	0.17	0.64	0.08
T9144	208 272	< 0.01	0.07	0.24	0.02
T9145	208 272	< 0.01	0.09	0.05	0.01
T9146	208 272	< 0.01	0.45	1.06	0.14
T9147	208 272	< 0.01	0.10	0.07	0.05
T9148	208 272	< 0.01	0.27	0.17	0.14
T9149	208 272	< 0.01	0.15	0.12	0.05
T9150	208 272	< 0.01	0.07	0.07	0.02
T9151	208 272	< 0.01	0.05	0.09	0.02
T9152	208 272	< 0.01	0.10	0.09	0.04
T9153	208 272	< 0.01	0.12	0.07	0.02
T9154	208 272	< 0.01	0.21	0.44	0.06
T9155	208 272	< 0.01	0.13	0.07	0.02

CERTIFICATION: R.F. Stewart

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Page Number : 2
Total Pages : 2
Invoice Date: 19-JUL-90
Invoice No. : I-9018696
P.O. Number :

CERTIFICATE OF ANALYSIS A9018696

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T9156	208 272	0.01	2.55	0.07	0.54
T9157	208 272	0.02	3.25	1.82	0.73
T9158	208 272	0.05	1.43	3.43	1.26
T9159	208 272	< 0.01	0.55	0.23	0.38
T9160	208 272	< 0.01	1.34	0.44	1.19
T9161	208 272	0.02	5.47	1.12	7.25
T9162	208 272	< 0.01	3.75	2.31	3.06
T9163	208 272	< 0.01	3.52	2.27	3.47
T9164	208 272	< 0.01	0.51	0.44	0.24
T9165	208 272	< 0.01	0.50	0.37	0.24
T9166	208 272	< 0.01	0.54	0.37	0.43
T9167	208 272	< 0.01	0.70	0.31	0.21
T9168	208 272	< 0.01	0.30	0.16	0.34
T9169	208 272	< 0.01	0.96	0.87	0.38
T9170	208 272	< 0.01	0.88	0.86	0.31
T9171	208 272	< 0.01	0.22	0.16	0.09
T9172	208 272	< 0.01	0.13	0.13	0.06
T9173	208 272	< 0.01	0.47	0.88	0.18
T9174	208 272	< 0.01	0.07	0.22	0.03
T9175	208 272	< 0.01	0.17	0.05	0.06
T9176	208 272	< 0.01	0.25	0.36	0.09
T9177	208 272	< 0.01	0.20	0.04	0.08
T9178	208 272	< 0.01	0.20	0.32	0.12
T9179	208 272	< 0.01	0.19	0.18	0.16
T9180	208 272	< 0.01	0.17	0.17	0.14
T9181	208 272	< 0.01	0.15	0.66	0.24
T9182	208 272	< 0.01	0.16	0.56	0.34

CERTIFICATION: A. Fuerte

Chemex Labs Ltd.

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P.O. BOX 4127
WHITEHORSE, YT
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Project : BLENDE
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Invoice Date: 28-JUL-90
Invoice No. : I-9018935
P.O. Number :

CERTIFICATE OF ANALYSIS A9018935

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
9183	208 272	< 0.01	0.10	0.07	0.03
9184	208 272	< 0.01	0.16	0.04	0.06
9185	208 272	< 0.01	0.03	0.01	0.01
9186	208 272	< 0.01	0.14	0.10	0.06
9187	208 272	< 0.01	0.25	0.26	0.11
9188	208 272	< 0.01	0.06	0.02	0.03
9189	208 272	< 0.01	0.22	0.03	0.10
9190	208 272	< 0.01	0.21	0.05	0.10
9191	208 272	< 0.01	0.05	0.02	0.02
9192	208 272	< 0.01	0.52	0.19	0.22
9193	208 272	< 0.01	0.32	0.08	0.12
9194	208 272	< 0.01	0.14	0.08	0.06
9195	208 272	< 0.01	1.15	0.65	0.47
9196	208 272	< 0.01	0.52	0.16	0.21
9197	208 272	< 0.01	0.20	0.11	0.09
9198	208 272	< 0.01	1.90	0.90	0.85
9199	208 294	< 0.01	2.14	0.80	0.74
9200	208 272	< 0.01	0.84	1.39	0.29
9201	208 294	0.02	1.26	4.43	0.44
9202	208 294	< 0.01	0.39	0.60	0.14
9203	208 294	< 0.01	0.05	0.15	0.02
9204	208 294	0.01	0.19	3.18	0.07
9205	208 272	< 0.01	0.05	0.17	0.02
9206	208 272	< 0.01	1.41	0.08	0.32
9207	208 294	< 0.01	0.04	0.09	0.01
9208	208 272	< 0.01	0.07	0.02	0.01
9209	208 272	< 0.01	0.03	0.01	< 0.01
9210	208 272	< 0.01	0.06	0.04	0.01
9211	208 272	< 0.01	0.05	0.04	0.02
9212	208 294	< 0.01	0.04	0.03	0.01
9213	208 272	< 0.01	0.03	0.03	0.01
9214	208 294	< 0.01	0.75	0.41	0.37
9215	208 272	< 0.01	0.13	0.03	0.03
9216	208 294	< 0.01	0.05	0.07	0.01
9217	208 294	< 0.01	0.04	0.05	0.01
9218	208 294	< 0.01	0.07	0.05	0.02
9219	208 272	< 0.01	0.16	0.50	0.04
9220	208 294	< 0.01	0.12	0.27	0.04
9221	208 294	< 0.01	0.03	0.07	0.01
9222	208 294	< 0.01	0.09	0.17	0.05

CERTIFICATION: W. Don Sumanini

Chemex Labs Ltd.

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
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Invoice Date: 28-JUL-90
Invoice No. : I-9018935
P.O. Number :

CERTIFICATE OF ANALYSIS A9018935

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T						
9223	208 294	< 0.01	0.19	0.19	0.07						
9224	208 294	< 0.01	0.05	0.06	0.02						
9225	208 294	< 0.01	0.07	0.18	0.03						
9226	208 294	< 0.01	0.05	0.16	0.02						
9227	208 294	< 0.01	0.15	1.15	0.06						
9228	208 272	0.06	12.60	9.84	4.44						
9229	208 272	0.06	9.59	8.85	5.70						
9230	208 294	0.03	4.79	13.90	2.84						
9231	208 272	0.01	1.99	3.18	0.98						
9232	208 294	0.01	5.36	12.60	3.98						
9233	208 272	< 0.01	0.12	0.10	0.07						
9234	208 272	< 0.01	0.05	0.06	0.03						
9235	208 272	< 0.01	0.22	0.20	0.08						
9236	208 272	< 0.01	0.21	0.23	0.09						
9237	208 294	< 0.01	0.11	0.09	0.04						
9238	208 272	< 0.01	1.17	0.48	0.35						
9239	208 272	< 0.01	1.00	0.90	0.50						
9240	208 272	< 0.01	2.07	1.32	1.01						
9241	208 272	< 0.01	1.56	1.04	0.63						
9242	208 272	< 0.01	1.67	0.85	0.53						
9243	208 272	< 0.01	1.75	0.54	0.70						
9244	208 272	< 0.01	0.97	0.72	0.36						
9245	208 272	< 0.01	0.66	0.47	0.22						
9246	208 272	< 0.01	0.97	0.40	0.43						
9247	208 272	< 0.01	7.83	2.68	3.11						
9248	208 272	< 0.01	1.11	0.93	0.25						
9249	208 272	< 0.01	0.85	1.08	0.21						
9250	208 272	< 0.01	5.92	3.17	1.94						
9251	208 272	< 0.01	11.70	3.23	4.60						
9252	208 272	< 0.01	1.95	0.45	0.55						
9253	208 294	< 0.01	0.54	0.08	0.15						
9254	208 272	< 0.01	0.31	0.03	0.12						
9255	208 272	< 0.01	0.14	0.01	0.14						
9256	208 272	< 0.01	0.05	0.05	0.09						
9257	208 272	< 0.01	0.28	0.04	0.08						
9258	208 272	< 0.01	0.75	0.08	0.17						
9259	208 272	< 0.01	0.47	0.09	0.15						
9260	208 294	< 0.01	0.50	0.10	0.12						
9261	208 272	< 0.01	0.83	0.13	0.20						
9262	208 272	< 0.01	1.11	0.26	0.26						

CERTIFICATION: W. Glen Ansanin

Chemex Labs Ltd.

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
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Invoice Date: 28-JUL-90
Invoice No. : I-9018935
P.O. Number :

CERTIFICATE OF ANALYSIS A9018935

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
9263	208 272	0.01	0.55	0.16	0.17
9264	208 272	0.01	0.99	0.50	0.55
9265	208 272	< 0.01	0.28	0.16	0.07
9266	208 272	0.01	0.28	0.11	0.14
9267	208 272	< 0.01	0.28	0.03	0.08
9268	208 272	< 0.01	0.09	0.03	0.04
9269	208 272	< 0.01	0.02	0.02	0.01
9270	208 272	< 0.01	0.03	0.03	0.02
9271	208 272	< 0.01	0.03	0.02	0.02
9272	208 272	< 0.01	0.07	0.02	0.02
9273	208 272	0.01	0.39	0.18	0.14
9274	208 272	0.02	1.33	0.71	0.54
9275	208 272	< 0.01	0.04	0.03	0.02
9276	208 272	0.01	0.13	0.05	0.07

CERTIFICATION: W. Glen Brunsini

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Y1A 3S9

Project : BLENDE
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Invoice Date: 31-JUL-90
Invoice No. : I-9019293
P.O. Number :

CERTIFICATE OF ANALYSIS A9019293

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %
T 9277	208 272	0.03	< 0.01	0.04	0.03
T 9278	208 272	0.13	0.01	0.62	0.29
T 9279	208 272	< 0.01	< 0.01	0.03	0.03
T 9280	208 272	< 0.01	< 0.01	0.01	0.04
T 9281	208 272	< 0.01	< 0.01	0.01	< 0.01
T 9282	208 272	< 0.01	< 0.01	0.01	< 0.01
T 9283	208 272	< 0.01	< 0.01	< 0.01	< 0.01
T 9284	208 272	< 0.01	< 0.01	< 0.01	0.04
T 9285	208 272	< 0.01	< 0.01	< 0.01	0.02
T 9286	208 272	< 0.01	< 0.01	< 0.01	< 0.01
T 9287	208 272	< 0.01	< 0.01	0.01	< 0.01
T 9288	208 272	< 0.01	< 0.01	0.01	< 0.01
T 9289	208 272	< 0.01	< 0.01	0.01	0.02
T 9290	208 272	< 0.01	< 0.01	< 0.01	< 0.01
T 9291	208 272	< 0.01	< 0.01	< 0.01	0.04
T 9292	208 272	< 0.01	< 0.01	0.01	0.08
T 9293	208 272	< 0.01	< 0.01	0.01	0.03
T 9294	208 272	< 0.01	< 0.01	0.01	< 0.01
T 9295	208 272	< 0.01	< 0.01	< 0.01	0.01
T 9296	208 272	< 0.01	< 0.01	0.01	0.01
T 9297	208 272	0.01	< 0.01	< 0.01	< 0.01
T 9298	208 272	0.01	< 0.01	0.01	0.05
T 9299	208 272	0.01	< 0.01	0.02	0.07
T 9300	208 272	0.02	< 0.01	0.04	0.08
T 9301	208 272	0.02	< 0.01	0.05	0.18
T 9302	208 272	0.02	< 0.01	0.05	0.21
T 9303	208 272	0.03	< 0.01	0.07	0.21
T 9304	208 272	0.02	< 0.01	0.04	0.09
T 9305	208 272	0.06	< 0.01	0.15	0.41
T 9306	208 294	0.09	< 0.01	0.21	1.73
T 9307	208 294	0.30	0.01	0.81	1.89
T 9308	208 294	1.01	0.01	2.20	4.44
T 9309	208 272	3.60	0.02	6.97	11.00
T 9310	208 272	1.96	0.01	2.82	6.56
T 9311	208 272	0.22	< 0.01	0.34	0.65
T 9312	208 272	0.16	< 0.01	0.31	1.00
T 9313	208 294	0.07	< 0.01	0.13	0.26
T 9314	208 294	0.08	< 0.01	0.16	0.16
T 9315	208 272	0.04	< 0.01	0.03	0.09
T 9316	208 272	0.01	< 0.01	0.01	0.04

CERTIFICATION: W. Glen Brunsmin

Chemex Labs Ltd.

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Project : BLENDE
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Page Number : 2
Total Pages : 3
Invoice Date: 31-JUL-90
Invoice No. : I-9019293
P.O. Number :

CERTIFICATE OF ANALYSIS A9019293

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %						
T 9317	208 272	0.01	< 0.01	0.05	0.05						
T 9318	208 272	0.19	< 0.01	0.85	0.14						
T 9319	208 272	0.09	< 0.01	0.47	0.07						
T 9320	208 272	0.23	< 0.01	1.02	0.57						
T 9321	208 272	0.16	< 0.01	0.51	0.42						
T 9322	208 272	0.16	< 0.01	0.45	0.92						
T 9323	208 272	0.13	< 0.01	0.44	0.47						
T 9324	208 272	0.22	< 0.01	0.93	0.57						
T 9325	208 272	0.06	< 0.01	0.22	0.18						
T 9326	208 272	0.09	< 0.01	0.30	0.28						
T 9327	208 272	0.01	< 0.01	0.02	0.03						
T 9328	208 272	0.02	< 0.01	0.04	0.05						
T 9329	208 272	0.93	0.01	2.03	5.72						
T 9330	208 272	0.10	< 0.01	0.19	0.35						
T 9331	208 272	0.04	< 0.01	0.07	0.12						
T 9332	208 272	0.26	0.01	0.48	0.21						
T 9333	208 272	0.12	< 0.01	0.23	0.54						
T 9334	208 272	0.02	< 0.01	0.04	0.04						
T 9335	208 272	0.02	< 0.01	0.03	0.04						
T 9336	208 272	0.02	< 0.01	0.03	0.02						
T 9337	208 272	0.15	0.01	0.21	0.27						
T 9338	208 272	0.10	< 0.01	0.17	0.08						
T 9339	208 272	0.21	0.01	0.48	0.38						
T 9340	208 272	0.02	< 0.01	0.08	0.06						
T 9341	208 272	0.01	< 0.01	0.03	0.01						
T 9342	208 272	0.03	< 0.01	0.05	0.02						
T 9343	208 272	0.02	< 0.01	0.03	0.02						
T 9344	208 272	0.02	< 0.01	0.07	0.08						
T 9345	208 272	0.35	< 0.01	1.59	0.61						
T 9346	208 272	0.08	< 0.01	0.33	0.07						
T 9347	208 272	0.20	0.01	0.39	0.04						
T 9348	208 272	0.11	< 0.01	0.47	0.07						
T 9349	208 272	0.25	< 0.01	0.81	0.10						
T 9350	208 272	0.24	< 0.01	0.55	0.13						
T 9351	208 294	0.73	0.01	4.20	1.92						
T 9352	208 272	0.07	< 0.01	0.29	0.23						
T 9353	208 272	0.98	0.01	3.36	1.77						
T 9354	208 272	0.73	0.01	2.83	0.71						
T 9355	208 294	0.91	0.01	5.18	0.34						
T 9356	208 294	0.93	0.06	3.36	0.97						

CERTIFICATION: W. Glen Brunnini

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Project : BLENDE
Comments:

Invoice Date: 31-JUL-90
Invoice No. : I-9019293
P.O. Number :

CERTIFICATE OF ANALYSIS A9019293

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %
T 9357	208 294	1.42	0.04	7.69	5.60
T 9358	208 294	0.08	< 0.01	0.21	0.54
T 9359	208 294	0.20	< 0.01	0.30	0.39
T 9360	208 294	0.01	< 0.01	0.02	0.05
T 9361	208 294	0.01	< 0.01	0.02	0.07
T 9362	208 294	0.27	0.01	0.12	0.36
T 9363	208 294	0.02	< 0.01	0.02	0.24
T 9364	208 294	0.02	< 0.01	0.02	0.16
T 9365	208 294	0.13	0.01	0.03	1.06
T 9366	208 294	0.05	< 0.01	0.04	0.26
T 9367	208 294	0.01	< 0.01	0.01	0.10
T 9368	208 294	0.01	< 0.01	0.03	0.43
T 9369	208 294	0.01	< 0.01	0.01	0.05

CERTIFICATION: W. Kenmuir

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 2-AUG-90
Invoice No. : I-9019597
P.O. Number :

CERTIFICATE OF ANALYSIS A9019597

SAMPLE DESCRIPTION	PREP CODE		Ag oz/T	Cu %	Pb %	Zn %						
T 9370	208	272	0.01	< 0.01	0.02	0.06						
T 9371	208	272	0.02	< 0.01	0.05	0.04						
T 9372	208	272	0.05	< 0.01	0.14	0.16						
T 9373	208	272	0.12	< 0.01	0.28	0.44						
T 9374	208	272	0.24	< 0.01	0.65	0.37						
T 9375	208	294	2.33	0.02	6.70	2.95						
T 9376	208	272	0.17	< 0.01	0.43	0.97						
T 9377	208	294	0.14	< 0.01	0.38	1.46						
T 9378	208	294	0.41	< 0.01	1.05	2.10						
T 9379	208	272	0.88	< 0.01	1.60	1.25						
T 9380	208	272	1.36	< 0.01	2.36	3.49						
T 9381	208	272	0.90	< 0.01	1.65	3.07						
T 9382	208	272	0.11	< 0.01	0.30	0.69						
T 9383	208	294	0.26	0.01	0.46	5.73						
T 9384	208	272	1.36	0.01	2.84	6.65						
T 9385	208	272	2.57	0.02	3.75	9.90						
T 9386	208	272	1.22	0.01	2.40	5.49						
T 9387	208	272	1.44	0.01	3.41	6.05						
T 9388	208	294	0.15	< 0.01	0.39	0.33						
T 9389	208	272	1.26	0.01	3.08	6.06						
T 9390	208	294	0.03	< 0.01	0.09	0.09						
T 9391	208	272	0.02	< 0.01	0.04	0.03						
T 9392	208	272	0.01	< 0.01	0.02	0.02						
T 9393	208	272	0.08	< 0.01	0.13	0.55						
T 9394	208	294	0.03	< 0.01	0.06	0.33						
T 9395	208	272	0.06	< 0.01	0.11	0.93						
T 9396	208	272	0.03	< 0.01	0.05	0.40						
T 9397	208	272	0.06	< 0.01	0.04	0.04						
T 9398	208	272	0.03	< 0.01	0.01	0.02						
T 9399	208	272	0.02	< 0.01	0.02	0.16						
T 9400	208	272	0.03	< 0.01	0.05	0.09						
T 9401	208	272	0.02	< 0.01	0.01	0.02						
T 9402	208	272	0.02	< 0.01	0.02	0.02						
T 9403	208	272	0.06	< 0.01	0.09	0.41						
T 9404	208	272	0.06	< 0.01	0.09	0.70						
T 9405	208	272	0.05	< 0.01	0.04	0.99						
T 9406	208	272	0.17	0.01	0.17	6.10						
T 9407	208	272	0.03	< 0.01	0.03	0.26						
T 9408	208	272	0.03	< 0.01	0.05	0.24						
T 9409	208	272	0.02	< 0.01	0.03	0.56						

CERTIFICATION: W. Stan Smazini

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 2-AUG-90
Invoice No. : I-9019597
P.O. Number :

CERTIFICATE OF ANALYSIS A9019597

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %
T 9410	208 272	0.02	< 0.01	0.04	0.04
T 9411	208 272	0.02	< 0.01	0.04	0.02
T 9412	208 272	0.01	< 0.01	0.02	0.01
T 9413	208 272	0.02	< 0.01	0.02	0.01
T 9414	208 272	0.02	< 0.01	0.04	0.01
T 9415	208 272	0.02	< 0.01	0.02	0.01
T 9416	208 272	< 0.01	< 0.01	0.02	0.01
T 9417	208 272	0.01	< 0.01	0.02	0.03
T 9418	208 272	0.01	< 0.01	0.03	0.02
T 9419	208 272	0.01	0.01	0.02	0.02
T 9420	208 272	0.01	< 0.01	0.02	0.01
T 9421	208 272	0.02	< 0.01	0.03	0.01
T 9422	208 272	0.01	< 0.01	0.02	0.01
T 9423	208 272	0.11	< 0.01	0.11	0.09
T 9424	208 272	4.90	0.01	4.99	5.55
T 9425	208 272	2.88	0.02	4.66	5.19
T 9426	208 272	0.15	0.01	0.17	0.56
T 9427	208 272	0.08	< 0.01	0.09	0.17
T 9428	208 272	0.01	< 0.01	0.01	0.02
T 9429	208 272	< 0.01	< 0.01	0.01	0.01
T 9430	208 272	< 0.01	< 0.01	0.01	0.01
T 9431	208 272	< 0.01	< 0.01	0.01	< 0.01
T 9432	208 272	0.01	< 0.01	0.01	< 0.01
T 9433	208 272	0.01	< 0.01	0.01	< 0.01
T 9434	208 272	0.01	< 0.01	0.01	< 0.01
T 9435	208 272	0.01	< 0.01	0.01	< 0.01

CERTIFICATION: W. Glen Bamford

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 12-AUG-90
Invoice No. : I-9020089
P.O. Number :

CERTIFICATE OF ANALYSIS A9020089

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T9436	208 272	< 0.01	0.29	0.07	0.07
T9437	208 272	< 0.01	0.06	0.18	0.02
T9438	208 272	< 0.01	0.03	0.18	< 0.01
T9439	208 272	< 0.01	0.03	0.03	0.01
T9440	208 272	< 0.01	0.22	0.87	0.05
T9441	208 272	< 0.01	0.02	0.05	< 0.01
T9442	208 272	< 0.01	0.01	0.01	< 0.01
T9443	208 272	< 0.01	0.01	0.01	< 0.01
T9444	208 272	< 0.01	0.01	0.02	< 0.01
T9445	208 272	< 0.01	0.01	0.02	0.01
T9446	208 272	< 0.01	0.02	0.03	0.02
T9447	208 272	< 0.01	0.04	0.06	0.01
T9448	208 272	< 0.01	0.02	0.06	< 0.01
T9449	208 272	< 0.01	0.01	0.02	< 0.01
T9450	208 272	< 0.01	< 0.01	0.02	0.01
T9451	208 272	< 0.01	0.01	0.02	0.01
T9452	208 272	< 0.01	< 0.01	0.02	0.01
T9453	208 272	< 0.01	0.01	0.02	0.01
T9454	208 272	< 0.01	0.01	0.01	0.01
T9455	208 272	< 0.01	0.01	0.01	0.01
T9456	208 272	< 0.01	0.11	0.03	0.04
T9457	208 272	< 0.01	0.49	0.10	0.16
T9458	208 272	< 0.01	0.06	0.02	0.03
T9459	208 272	< 0.01	0.10	0.09	0.04
T9460	208 272	< 0.01	0.04	0.02	0.01
T9461	208 272	0.01	1.08	1.72	0.30
T9462	208 272	< 0.01	0.02	0.03	< 0.01
T9463	208 272	< 0.01	0.01	0.03	< 0.01
T9464	208 272	< 0.01	0.01	0.03	< 0.01
T9465	208 272	< 0.01	0.02	0.04	0.01
T9466	208 272	0.01	0.23	2.72	0.10
T9467	208 272	< 0.01	0.21	1.06	0.10
T9468	208 272	< 0.01	0.12	0.55	0.05
T9469	208 272	0.01	0.50	2.28	0.29
T9470	208 272	0.01	0.23	2.18	0.22
T9471	208 272	< 0.01	0.11	0.34	0.09
T9472	208 272	< 0.01	0.03	0.08	0.02
T9473	208 272	< 0.01	0.03	0.12	0.02
T9474	208 272	< 0.01	0.05	0.33	0.03
T9475	208 272	0.01	0.53	5.60	0.34

CERTIFICATION: W. Thomasini

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 12-AUG-90
Invoice No. : I-9020089
P.O. Number :

CERTIFICATE OF ANALYSIS A9020089

SAMPLE DESCRIPTION	PREP CODE		Cu %	Pb %	Zn %	Ag oz/T						
T9476	208	272	< 0.01	0.43	3.16	0.27						
T9477	208	272	0.06	0.24	0.68	0.39						
T9478	208	272	< 0.01	0.14	0.75	0.09						
T9479	208	272	< 0.01	0.02	0.10	0.02						
T9480	208	272	< 0.01	0.05	0.04	0.06						
T9481	208	272	< 0.01	0.03	0.04	0.04						
T9482	208	272	0.01	0.10	0.10	0.06						
T9483	208	272	< 0.01	0.02	0.03	0.01						
T9484	208	272	< 0.01	0.04	0.12	0.02						
T9485	208	272	0.01	0.29	0.40	0.13						
T9486	208	272	0.01	1.04	0.87	0.39						
T9487	208	272	< 0.01	0.97	0.37	0.28						
T9488	208	272	0.01	1.37	0.59	0.44						
T9489	208	272	< 0.01	0.15	0.09	0.06						
T9490	208	272	< 0.01	0.05	0.05	0.02						
T9491	208	272	< 0.01	0.01	0.04	0.01						
T9492	208	272	< 0.01	0.01	0.03	0.01						
T9493	208	272	< 0.01	0.03	0.04	0.01						
T9494	208	272	0.01	0.04	0.20	0.05						
T9495	208	272	< 0.01	0.04	0.42	0.02						
T9496	208	272	0.01	0.06	0.16	0.03						
T9497	208	272	0.01	0.27	1.34	0.13						
T9498	208	272	< 0.01	0.02	0.11	0.03						
T9499	208	272	< 0.01	0.06	0.10	0.03						
T9500	208	272	0.01	0.06	0.05	0.07						
T9501	208	272	0.01	0.21	0.22	0.09						
T9502	208	272	< 0.01	0.11	0.53	0.06						
T9503	208	272	0.01	0.29	1.13	0.31						
T9504	208	272	0.01	0.33	0.53	0.21						
T9505	208	272	0.01	0.05	0.38	0.06						
T9506	208	272	0.01	0.26	0.25	0.11						
T9507	208	272	< 0.01	0.17	0.49	0.08						
T9508	208	272	< 0.01	0.09	0.03	0.05						
T9509	208	272	0.03	1.06	0.23	0.95						
T9510	208	272	0.01	0.22	0.06	0.09						
T9511	208	272	0.01	1.62	0.68	0.81						
T9512	208	272	0.01	0.25	0.32	0.21						
T9513	208	272	0.01	0.27	0.12	0.12						
T9514	208	272	0.01	0.06	0.24	0.07						
T9515	208	272	0.01	0.28	0.51	0.15						

CERTIFICATION: W. Stanimirovic

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 12-AUG-90
Invoice No. : I-9020089
P.O. Number :

CERTIFICATE OF ANALYSIS A9020089

SAMPLE DESCRIPTION	PREP CODE		Cu %	Pb %	Zn %	Ag oz/T
T9516	208	272	< 0.01	0.14	0.26	0.06
T9517	208	272	< 0.01	0.48	0.10	0.09
T9518	208	272	< 0.01	1.34	0.32	0.31
T9519	208	272	< 0.01	0.55	0.11	0.17
T9520	208	272	0.01	0.93	2.90	0.37
T9521	208	272	0.02	1.60	4.86	0.84
T9522	208	272	0.02	0.38	2.01	0.24
T9523	208	272	0.09	4.58	3.70	3.53
T9524	208	272	0.01	2.21	5.79	1.58
T9525	208	272	0.04	1.34	2.54	0.78
T9526	208	272	0.01	1.69	0.96	0.67
T9527	208	272	0.01	1.29	1.94	1.03
T9528	208	272	0.02	2.42	2.07	1.36
T9529	208	272	0.01	0.74	1.00	0.41
T9530	208	272	0.01	0.23	0.25	0.12
T9531	208	272	0.01	0.07	0.17	0.04

CERTIFICATION: W. Ian Bowerman

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-AUG-90
Invoice No. : I-9020287
P.O. Number :

CERTIFICATE OF ANALYSIS A9020287

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %						
T9532	208 272	0.03	< 0.01	0.06	0.07						
T9533	208 272	0.01	< 0.01	0.02	0.03						
T9534	208 272	0.01	< 0.01	0.03	0.13						
T9535	208 272	< 0.01	< 0.01	< 0.01	0.06						
T9536	208 272	< 0.01	< 0.01	< 0.01	0.01						
T9537	208 272	0.01	< 0.01	< 0.01	0.04						
T9538	208 272	0.01	< 0.01	0.01	0.01						
T9539	208 272	0.02	< 0.01	0.02	0.02						
T9540	208 272	0.02	< 0.01	0.02	0.01						
T9541	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
T9542	208 272	0.01	< 0.01	< 0.01	0.01						
T9543	208 272	0.01	< 0.01	< 0.01	0.01						
T9544	208 272	0.01	< 0.01	< 0.01	0.01						
T9545	208 272	< 0.01	< 0.01	< 0.01	0.01						
T9546	208 272	0.01	< 0.01	< 0.01	0.01						
T9547	208 272	0.01	< 0.01	< 0.01	< 0.01						
T9548	208 272	0.01	< 0.01	< 0.01	0.01						
T9549	208 272	0.02	< 0.01	0.02	< 0.01						
T9550	208 272	0.02	< 0.01	0.04	0.05						
T9551	208 272	0.01	< 0.01	0.01	0.01						
T9552	208 272	0.02	< 0.01	0.01	0.01						
T9553	208 272	0.11	< 0.01	0.13	0.02						
T9554	208 272	0.05	< 0.01	0.05	0.11						
T9555	208 272	0.04	< 0.01	0.14	0.15						
T9556	208 272	0.02	< 0.01	0.05	0.03						
T9557	208 272	0.04	< 0.01	0.07	0.04						
T9558	208 272	0.05	< 0.01	0.12	0.64						
T9559	208 272	0.09	< 0.01	0.42	1.03						
T9560	208 272	0.07	< 0.01	0.25	0.68						
T9561	208 272	0.20	< 0.01	0.48	1.02						
T9562	208 272	0.11	< 0.01	0.35	0.31						
T9563	208 272	0.02	< 0.01	0.05	0.08						
T9564	208 272	0.06	< 0.01	0.10	0.80						
T9565	208 272	0.11	< 0.01	0.11	1.97						
T9566	208 272	0.03	< 0.01	0.05	0.28						
T9567	208 272	0.15	< 0.01	0.07	1.67						
T9568	208 272	0.04	< 0.01	0.07	0.13						
T9569	208 272	0.04	< 0.01	0.06	0.59						
T9570	208 272	0.12	< 0.01	0.18	0.39						
T9571	208 272	0.05	< 0.01	0.10	0.06						

CERTIFICATION:

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-AUG-90
Invoice No. : I-9020287
P.O. Number :

CERTIFICATE OF ANALYSIS A9020287

SAMPLE DESCRIPTION	PREP CODE		Ag oz/T	Cu %	Pb %	Zn %						
T9572	208	272	0.27	< 0.01	0.72	0.46						
T9573	208	272	0.21	< 0.01	0.31	0.80						
T9574	208	272	0.13	< 0.01	0.08	0.40						
T9575	208	272	0.65	0.01	0.53	5.45						
T9576	208	272	0.49	0.01	0.85	4.89						
T9577	208	272	0.15	< 0.01	0.19	2.67						
T9578	208	272	0.12	< 0.01	0.15	1.46						
T9579	208	272	0.02	< 0.01	0.03	0.27						
T9580	208	272	0.04	< 0.01	0.08	0.38						
T9581	208	272	0.06	< 0.01	0.09	0.16						
T9582	208	272	0.03	< 0.01	0.05	0.04						
T9583	208	272	0.12	< 0.01	0.19	0.09						
T9584	208	272	0.17	< 0.01	0.26	1.61						
T9585	208	272	0.29	0.05	0.17	3.10						
T9586	208	272	0.04	< 0.01	0.03	2.21						
T9587	208	272	0.01	< 0.01	0.02	0.16						
T9588	208	272	0.02	< 0.01	0.01	0.17						
T9589	208	272	0.02	0.01	< 0.01	0.10						
T9590	208	272	0.01	0.01	< 0.01	0.05						
T9591	208	272	< 0.01	< 0.01	< 0.01	0.02						
T9592	208	272	0.01	< 0.01	< 0.01	0.02						
T9593	208	272	< 0.01	< 0.01	< 0.01	0.01						
T9594	208	272	< 0.01	< 0.01	< 0.01	0.01						
T9595	208	272	< 0.01	< 0.01	0.01	0.01						
T9596	208	272	< 0.01	< 0.01	< 0.01	0.02						
T9597	208	272	< 0.01	< 0.01	0.01	0.02						
T9598	208	272	< 0.01	< 0.01	0.01	0.01						
T9599	208	272	< 0.01	< 0.01	< 0.01	0.01						
T9600	208	272	< 0.01	< 0.01	< 0.01	0.02						
T9601	208	272	< 0.01	< 0.01	< 0.01	0.01						
T9602	208	272	0.01	0.02	< 0.01	0.01						
T9603	208	272	< 0.01	0.02	< 0.01	0.01						
T9604	208	272	0.01	0.02	0.03	0.05						
T9605	208	272	0.02	0.02	0.05	0.04						
T9606	208	272	0.03	0.02	0.08	0.05						
T9607	208	272	0.02	0.02	0.03	0.05						
T9608	208	272	0.01	0.03	< 0.01	0.01						
T9609	208	272	0.01	0.02	0.01	0.01						
T9610	208	272	0.02	0.01	0.02	0.03						
T9611	208	272	0.01	0.02	< 0.01	0.01						

CERTIFICATION:

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-AUG-90
Invoice No. : I-9020287
P.O. Number :

CERTIFICATE OF ANALYSIS A9020287

SAMPLE DESCRIPTION	PREP CODE		Ag oz/T	Cu %	Pb %	Zn %						
T9612	208	272	0.01	0.05	< 0.01	0.01						
T9613	208	272	0.01	0.03	0.01	0.02						
T9614	208	272	0.01	0.02	0.04	0.02						
T9615	208	272	0.24	0.04	0.78	3.96						
T9616	208	272	0.01	0.04	< 0.01	0.03						
T9617	208	272	< 0.01	0.02	< 0.01	0.03						
T9618	208	272	< 0.01	0.01	< 0.01	0.02						
T9619	208	294	0.04	0.02	0.34	0.22						
T9620	208	294	0.03	0.02	0.32	0.17						
T9621	208	294	0.08	< 0.01	0.80	0.02						
T9622	208	294	0.22	0.06	1.17	0.10						
T9623	208	294	0.03	< 0.01	0.08	0.04						
T9624	208	294	0.10	< 0.01	0.36	0.05						
T9625	208	294	0.02	< 0.01	0.03	0.03						
T9626	208	272	0.05	0.01	0.07	0.09						
T9627	208	272	0.33	0.01	0.65	0.51						
T9628	208	272	0.09	< 0.01	0.17	0.25						
T9629	208	272	0.02	< 0.01	0.05	0.17						
T9630	208	272	< 0.01	< 0.01	0.03	0.03						
T9631	208	272	< 0.01	< 0.01	0.02	0.03						
T9632	208	272	< 0.01	< 0.01	0.01	0.01						
T9633	208	272	0.01	< 0.01	0.02	0.41						
T9634	208	272	< 0.01	< 0.01	0.02	0.01						
T9635	208	272	< 0.01	< 0.01	0.02	0.01						
T9636	208	272	0.01	< 0.01	0.05	0.05						
T9637	208	272	0.01	0.01	0.02	0.02						
T9638	208	272	0.01	0.01	0.03	0.03						
T9639	208	272	< 0.01	< 0.01	0.01	0.04						
T9640	208	272	< 0.01	0.01	0.01	< 0.01						
T9641	208	272	0.01	0.01	0.01	< 0.01						
T9642	208	272	0.01	< 0.01	0.01	< 0.01						
T9643	208	272	< 0.01	< 0.01	0.01	0.01						
T9644	208	272	0.01	0.01	0.01	0.01						
T9645	208	272	< 0.01	0.01	0.01	< 0.01						
T9646	208	272	< 0.01	0.01	0.01	< 0.01						
T9647	208	272	< 0.01	< 0.01	0.01	0.01						
T9648	208	272	< 0.01	< 0.01	0.01	0.02						
T9649	208	272	< 0.01	< 0.01	0.01	0.01						
T9650	208	272	< 0.01	0.01	0.01	0.01						
T9651	208	272	< 0.01	0.01	0.01	0.01						

CERTIFICATION: W. Van Brunen

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 15-AUG-90
Invoice No. : I-9020287
P.O. Number :

CERTIFICATE OF ANALYSIS A9020287

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %						
T9652	208 272	0.02	< 0.01	< 0.01	< 0.01						
T9653	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
T9654	208 272	< 0.01	< 0.01	< 0.01	< 0.01						

CERTIFICATION: W. Van Andriesse

Chemex Labs Ltd.

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

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 20-AUG-90
Invoice No. : I-9020725
P.O. Number :

CERTIFICATE OF ANALYSIS A9020725

SAMPLE DESCRIPTION	PREP CODE		Au oz/T	Ag oz/T	Cu %	Pb %	Zn %	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
26372	208	294	< 0.002	0.38	9.02	0.10	0.14	13.5	0.29	30	< 0.5	< 20	0.91	2.5	17	205	>10000	11.85	0.12	0.50	305
26375	208	294	< 0.002	0.99	19.70	0.10	0.06	35.0	0.25	10	< 0.5	< 20	0.30	< 0.5	30	97	>10000	19.70	0.13	0.16	210
26376	208	294	< 0.002	0.23	15.70	0.05	0.20	8.5	0.02	10	< 0.5	< 20	0.09	0.5	20	192	>10000	11.15	< 0.01	0.05	285
26379	208	294	< 0.002	0.20	8.21	0.11	0.06	7.0	0.31	80	< 0.5	< 20	0.15	1.0	80	481	>10000	4.88	0.06	0.07	3240

CERTIFICATION: B. Caplan

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 20-AUG-90
Invoice No. : I-9020725
P.O. Number :

CERTIFICATE OF ANALYSIS A9020725

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
26372	208	294	< 1	0.04	28	< 200	1010	8	< 0.01	8	20	1500
26375	208	294	< 1	0.01	5	< 200	890	3	< 0.01	11	210	880
26376	208	294	< 1	0.01	34	< 200	452	< 1	< 0.01	4	130	2220
26379	208	294	10	0.01	22	< 200	1025	3	< 0.01	4	10	806

CERTIFICATION: B. Caplan

Chemex Labs Ltd.

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PHONE: 604-984-0221

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Project : BLENDE
Comments:

Page Number : 1
Total Pages : 1
Invoice Date: 20-AUG-90
Invoice No. : I-9020726
P.O. Number :

CERTIFICATE OF ANALYSIS A9020726

SAMPLE DESCRIPTION	PREP CODE	Cu %	Pb %	Zn %	Ag oz/T
T9806	208 272	< 0.01	0.15	0.23	0.07
T9807	208 272	< 0.01	2.90	2.37	1.16
T9808	208 272	< 0.01	2.84	1.39	0.93
T9809	208 272	< 0.01	2.42	1.73	0.71
T9810	208 272	< 0.01	3.00	1.39	0.91
T9819	208 272	0.01	6.21	2.02	0.99
T9820	208 272	< 0.01	0.97	0.90	0.25
T9821	208 294	< 0.01	2.03	1.22	0.34
T9822	208 272	< 0.01	0.42	0.32	0.09
T9823	208 272	< 0.01	2.14	0.93	0.42
T9824	208 273	< 0.01	1.21	0.68	0.21
T9825	208 272	0.01	6.52	1.59	1.84
T9826	208 272	< 0.01	2.22	0.57	0.57
T9827	208 272	< 0.01	0.12	0.03	0.03
T9828	208 272	< 0.01	0.30	0.12	0.07
T9829	208 272	< 0.01	2.07	0.69	0.39
T9830	208 272	< 0.01	7.48	1.84	1.85
T9831	208 272	< 0.01	9.46	3.17	2.55
T9832	208 272	< 0.01	0.80	0.83	0.41

CERTIFICATION: W. Ebert Amerine

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments:

Page Number : 1
Total Pages : 1
Invoice Date: 20-AUG-90
Invoice No. : I-9020801
P.O. Number :

CERTIFICATE OF ANALYSIS A9020801

SAMPLE DESCRIPTION	PREP CODE		Ag oz/T	Cu %	Pb %	Zn %						
T 9914	208	272	0.08	0.02	0.30	0.23						
T 9915	208	272	3.87	< 0.01	18.50	6.35						
T 9916	208	272	0.72	< 0.01	4.57	1.08						
T 9917	208	272	1.74	< 0.01	9.24	2.98						
T 9918	208	272	0.13	< 0.01	0.38	0.20						

CERTIFICATION: W. Glen Amadeus

Chemex Labs Ltd.

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PHONE: 604-984-0221

TO: ARCHER CATHRO & ASSOC. (1981) LTD.

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WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 23-AUG-90
Invoice No. : I-9020967
P.O. Number :

CERTIFICATE OF ANALYSIS A9020967

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %	Zn nsul %
T9655	208 272	0.01	< 0.01	0.01	0.01	-----
T9656	208 272	0.01	0.01	0.02	0.04	-----
T9657	208 272	0.01	0.01	0.05	0.19	-----
T9658	208 272	0.01	0.01	0.01	0.04	-----
T9659	208 272	0.01	< 0.01	0.01	0.03	-----
T9660	208 272	0.02	< 0.01	0.02	0.02	-----
T9661	208 272	0.07	< 0.01	0.05	0.78	-----
T9662	208 272	0.47	0.01	0.25	3.46	-----
T9663	208 272	0.33	0.01	0.20	4.90	-----
T9664	208 272	0.17	< 0.01	0.23	2.84	-----
T9665	208 272	0.12	< 0.01	0.14	2.87	-----
T9666	208 272	0.05	0.01	0.10	1.91	-----
T9667	208 272	0.04	0.03	0.05	0.08	-----
T9668	208 272	0.03	0.02	0.08	0.09	-----
T9669	208 272	0.02	0.02	0.04	0.05	-----
T9670	208 272	0.03	0.02	0.05	0.04	-----
T9671	208 272	0.02	0.02	0.03	0.03	-----
T9672	208 272	0.03	0.03	0.03	0.02	-----
T9673	208 272	0.02	0.02	0.04	0.02	-----
T9674	208 272	0.02	0.02	0.04	0.04	-----
T9675	208 272	0.02	0.02	0.05	0.05	-----
T9676	208 272	0.02	0.02	0.04	0.07	-----
T9677	208 272	0.03	0.02	0.03	0.12	-----
T9678	208 272	0.01	0.01	0.01	0.07	-----
T9679	208 272	0.02	0.02	0.01	0.02	-----
T9680	208 272	0.04	0.07	0.01	0.02	-----
T9681	208 272	0.06	0.11	0.02	0.07	-----
T9682	208 272	0.01	0.01	0.01	0.03	-----
T9683	208 272	0.02	0.04	0.01	0.02	-----
T9684	208 272	0.01	0.01	0.01	0.01	-----
T9685	208 272	0.01	0.01	0.01	0.01	-----
T9686	208 272	0.01	0.01	0.01	0.02	-----
T9687	208 272	< 0.01	< 0.01	0.01	0.02	-----
T9688	208 272	< 0.01	0.01	0.01	0.06	-----
T9689	208 272	< 0.01	0.01	0.01	0.02	-----
T9690	208 272	0.03	0.08	0.01	0.03	-----
T9691	208 272	< 0.01	0.02	0.01	0.04	-----
T9692	208 272	< 0.01	0.03	0.01	0.02	-----
T9693	208 272	0.01	0.02	0.02	0.02	-----
T9694	208 272	0.02	0.30	0.01	0.05	-----

CERTIFICATION: W. Stan Armstrong

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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TO: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 23-AUG-90
Invoice No. : I-9020967
P.O. Number :

CERTIFICATE OF ANALYSIS A9020967

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %	Zn nsul %
T9695	208 272	< 0.01	0.02	< 0.01	0.02	-----
T9696	208 272	< 0.01	< 0.01	< 0.01	0.06	-----
T9697	208 272	< 0.01	< 0.01	< 0.01	0.04	-----
T9698	208 272	0.02	0.06	< 0.01	0.07	-----
T9699	208 272	0.05	0.15	< 0.01	0.05	-----
T9700	208 294	0.04	< 0.01	0.08	0.39	-----
T9701	208 272	1.36	0.01	6.05	2.61	-----
T9702	208 272	0.10	< 0.01	0.34	0.27	-----
T9703	208 272	0.08	< 0.01	0.41	0.30	-----
T9704	208 272	0.20	< 0.01	0.82	0.31	-----
T9705	208 272	0.15	< 0.01	0.41	0.33	-----
T9706	208 272	0.12	0.04	0.46	1.15	-----
T9707	208 272	0.36	0.02	1.75	4.32	-----
T9708	208 272	0.31	0.02	1.45	5.46	-----
T9709	208 272	0.02	< 0.01	0.03	0.07	-----
T9710	208 294	0.04	< 0.01	0.10	0.23	-----
T9711	208 272	0.05	< 0.01	0.14	0.45	-----
T9712	208 272	0.02	< 0.01	0.04	0.07	-----
T9713	208 272	0.02	< 0.01	0.05	0.28	-----
T9714	208 272	0.04	< 0.01	0.04	0.09	-----
T9715	208 272	0.03	< 0.01	0.08	0.23	-----
T9716	208 272	0.02	< 0.01	0.08	0.10	-----
T9717	208 294	0.05	< 0.01	0.18	0.14	-----
T9718	208 272	0.27	< 0.01	0.69	1.15	-----
T9719	208 272	0.10	< 0.01	0.33	0.32	-----
T9720	208 294	10.40	0.02	13.30	5.54	-----
T9721	208 272	12.00	0.02	15.40	6.35	5.88
T9722	208 294	1.96	< 0.01	6.99	4.31	3.76
T9723	208 294	0.33	< 0.01	0.81	0.67	-----
T9724	208 272	0.48	< 0.01	1.79	0.57	-----
T9725	208 272	3.11	< 0.01	6.03	3.17	1.51
T9726	208 272	0.42	< 0.01	0.86	0.50	-----
T9727	208 272	0.13	< 0.01	0.30	0.25	-----
T9728	208 272	0.34	< 0.01	0.51	1.59	-----
T9729	208 272	10.30	< 0.01	12.80	10.40	10.90
T9730	208 272	9.50	0.02	12.20	3.94	3.97
T9731	208 294	14.30	0.02	16.80	5.72	5.64
T9732	208 272	1.16	< 0.01	1.80	0.67	-----
T9733	208 272	2.09	< 0.01	3.73	1.49	1.36
T9734	208 272	1.28	< 0.01	2.11	0.62	-----

CERTIFICATION: W. Don Brunnini

Chemex Labs Ltd.

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PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 23-AUG-90
Invoice No. : I-9020967
P.O. Number :

CERTIFICATE OF ANALYSIS A9020967

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %	Zn nsul %
T9735	208 272	1.92	< 0.01	2.34	0.64	-----
T9736	208 272	1.04	< 0.01	1.07	0.34	-----
T9737	208 272	2.92	< 0.01	2.50	0.53	-----
T9738	208 272	0.61	< 0.01	0.61	0.18	-----
T9739	208 272	2.95	< 0.01	2.94	0.78	0.46
T9740	208 272	2.50	< 0.01	2.72	1.29	0.45
T9741	208 272	0.74	< 0.01	1.12	0.31	-----
T9742	208 273	0.79	< 0.01	1.06	0.38	-----
T9743	208 294	12.60	0.03	12.20	7.11	0.17
T9744	208 294	0.20	< 0.01	0.44	0.41	-----
T9745	208 272	0.07	< 0.01	0.17	0.07	-----
T9746	208 272	0.47	0.01	0.99	0.44	-----
T9747	208 272	0.31	< 0.01	0.69	0.20	-----
T9748	208 272	0.12	< 0.01	0.27	0.21	-----
T9749	208 272	0.29	< 0.01	0.66	0.43	-----
T9750	208 272	0.04	< 0.01	0.05	0.03	-----
T9751	208 272	0.02	< 0.01	0.03	0.03	-----
T9752	208 272	0.02	< 0.01	0.03	< 0.01	-----
T9753	208 272	0.03	< 0.01	0.06	< 0.01	-----
T9754	208 272	0.13	< 0.01	0.04	0.02	-----
T9755	208 272	0.10	< 0.01	0.05	< 0.01	-----
T9756	208 272	0.14	< 0.01	0.30	1.27	-----
T9757	208 272	0.05	< 0.01	0.09	0.13	-----
T9758	208 272	0.11	< 0.01	0.13	0.31	-----
T9759	208 272	0.01	< 0.01	0.02	0.03	-----
T9760	208 272	0.02	0.01	0.01	0.03	-----
T9761	208 272	0.02	0.01	0.01	< 0.01	-----
T9762	208 272	0.03	0.01	0.02	0.02	-----
T9763	208 272	0.04	0.01	0.03	0.04	-----
T9764	208 272	0.03	< 0.01	0.03	0.04	-----
T9765	208 272	0.03	< 0.01	0.03	0.03	-----
T9766	208 272	0.03	< 0.01	0.06	0.01	-----
T9767	208 272	0.02	< 0.01	0.06	0.03	-----
T9768	208 272	0.03	< 0.01	0.03	0.03	-----
T9769	208 272	0.03	< 0.01	0.04	0.02	-----
T9770	208 272	0.05	0.01	0.05	0.02	-----
T9771	208 272	0.05	0.01	0.09	0.05	-----
T9772	208 272	0.07	0.01	0.17	0.10	-----
T9773	208 272	0.07	0.01	0.11	0.07	-----
T9774	208 272	0.09	0.01	0.16	0.29	-----

CERTIFICATION: W. Kan Sondrini

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PHONE: 604-984-0221

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 23-AUG-90
Invoice No. : I-9020967
P.O. Number :

CERTIFICATE OF ANALYSIS A9020967

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %	Zn nsul %
T9775	208 272	0.18	< 0.01	0.34	1.07	-----
T9776	208 272	0.13	< 0.01	0.27	0.95	-----
T9777	208 294	1.00	0.03	3.42	4.49	-----
T9778	208 272	0.14	< 0.01	0.27	0.79	-----
T9779	208 272	0.12	< 0.01	0.19	1.64	-----
T9780	208 294	0.96	0.05	2.27	9.55	-----
T9781	208 272	2.58	0.08	9.20	7.48	-----
T9782	208 272	0.28	0.01	0.58	3.42	-----
T9783	208 272	0.54	0.03	0.19	0.12	-----
T9784	208 272	0.11	< 0.01	0.10	0.97	-----
T9785	208 272	0.01	< 0.01	0.03	0.13	-----
T9786	208 272	0.04	< 0.01	0.09	0.09	-----
T9787	208 272	0.01	< 0.01	0.03	0.09	-----
T9788	208 272	0.13	< 0.01	0.33	0.83	-----
T9789	208 272	0.13	< 0.01	0.39	0.08	-----
T9790	208 272	0.02	< 0.01	0.06	0.05	-----
T9791	208 294	0.81	0.02	3.23	4.71	-----
T9792	208 272	0.46	< 0.01	1.19	0.82	-----
T9793	208 272	0.17	< 0.01	0.48	0.46	-----
T9794	208 273	0.55	< 0.01	1.19	1.61	-----
T9795	208 272	1.12	< 0.01	2.61	0.93	-----
T9796	208 272	1.13	< 0.01	2.82	1.32	-----
T9797	208 273	0.03	< 0.01	0.08	0.14	-----
T9957	208 272	0.06	< 0.01	0.20	0.26	-----
T9958	208 272	0.58	< 0.01	3.70	2.25	-----
T9959	208 272	0.06	< 0.01	0.29	0.45	-----

CERTIFICATION: W. Stanbrooke

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments: ATTN: ROB CARNE

Invoice Date: 22-AUG-90
Invoice No. : I-9021181
P.O. Number : NONE

CERTIFICATE OF ANALYSIS A9021181

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %
T 8981	214 --	1.26
T 8995	214 --	0.41
T 8996	214 --	0.78
T 9001	214 --	3.56
T 9002	214 --	2.41
T 9003	214 --	2.92
T 9004	214 --	0.24
T 9005	214 --	0.43
T 9006	214 --	0.10
T 9007	214 --	0.06
T 9008	214 --	0.09
9227	214 --	0.98
9228	214 --	8.60
9229	214 --	5.55
9230	214 --	3.25
9231	214 --	2.85
9239	214 --	0.40
9240	214 --	0.26
9241	214 --	0.29
9242	214 --	0.40
9243	214 --	0.20
9244	214 --	0.24
9245	214 --	0.11
9246	214 --	0.06
9247	214 --	0.43
9248	214 --	0.29
9249	214 --	0.47
9250	214 --	2.70
9251	214 --	0.24

CERTIFICATION: W. Dan Sumanini

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 26-AUG-90
Invoice No. : I-9021278
P.O. Number :

CERTIFICATE OF ANALYSIS A9021278

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %
9985	208 294	0.34	< 0.01	0.94	1.61
9986	208 294	0.30	< 0.01	0.86	1.25
10005	208 294	0.73	0.01	0.80	2.33
10013	208 294	1.72	< 0.01	2.97	4.38
10014	208 294	0.66	< 0.01	1.57	2.03
10015	208 294	0.38	< 0.01	1.04	1.22

CERTIFICATION: W. Ellenbroeini

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 27-AUG-90
Invoice No. : I-9021355
P.O. Number : NONE

CERTIFICATE OF ANALYSIS A9021355

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %						
9798	208 272	0.10	< 0.01	0.28	0.43						
9799	208 272	0.45	< 0.01	1.56	1.01						
9800	208 272	0.32	< 0.01	1.26	0.63						
9801	208 272	0.82	< 0.01	2.03	0.93						
9802	208 272	0.22	< 0.01	0.63	0.46						
9803	208 272	0.06	< 0.01	0.17	0.69						
9804	208 272	0.17	< 0.01	0.17	0.30						
9805	208 272	0.32	< 0.01	1.15	0.37						
9811	208 272	0.19	< 0.01	0.85	0.09						
9812	208 272	0.13	< 0.01	0.56	0.22						
9813	208 272	0.06	< 0.01	0.18	0.08						
9814	208 272	0.03	< 0.01	0.08	0.08						
9815	208 272	0.01	< 0.01	0.04	0.06						
9816	208 272	0.04	< 0.01	0.11	0.22						
9817	208 272	0.03	< 0.01	0.11	0.13						
9818	208 272	0.04	< 0.01	0.21	0.21						
9832	208 272	miss.	miss.	miss.	miss.						
9833	208 272	0.10	< 0.01	0.23	0.35						
9834	208 272	0.04	< 0.01	0.03	0.04						
9835	208 272	0.07	< 0.01	0.14	0.26						
9836	208 272	0.03	< 0.01	0.05	0.32						
9837	208 272	0.04	< 0.01	0.06	0.28						
9838	208 272	0.01	< 0.01	0.02	0.04						
9839	208 272	0.01	< 0.01	< 0.01	0.02						
9840	208 272	0.01	< 0.01	< 0.01	0.02						
9841	208 272	0.03	< 0.01	< 0.01	0.04						
9842	208 272	0.06	< 0.01	0.07	0.04						
9843	208 272	0.13	< 0.01	< 0.01	< 0.01						
9844	208 272	< 0.01	< 0.01	< 0.01	0.02						
9845	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9846	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9847	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9848	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9849	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9850	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9851	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9852	208 272	< 0.01	< 0.01	< 0.01	0.04						
9853	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9854	208 272	< 0.01	< 0.01	< 0.01	0.01						
9855	208 272	< 0.01	< 0.01	< 0.01	< 0.01						

CERTIFICATION: W. Stinson Brownlie

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 27-AUG-90
Invoice No. : I-9021355
P.O. Number : NONE

CERTIFICATE OF ANALYSIS A9021355

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %						
9856	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9857	208 272	< 0.01	< 0.01	< 0.01	0.01						
9858	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9859	208 272	< 0.01	< 0.01	0.01	< 0.01						
9860	208 272	< 0.01	< 0.01	< 0.01	0.01						
9861	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9862	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9863	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9864	208 272	< 0.01	< 0.01	0.01	< 0.01						
9865	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9866	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9867	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9868	208 272	< 0.01	0.03	< 0.01	< 0.01						
9869	208 272	< 0.01	0.03	< 0.01	< 0.01						
9870	208 272	< 0.01	0.04	< 0.01	< 0.01						
9871	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9872	208 272	< 0.01	0.01	0.01	0.01						
9873	208 272	< 0.01	0.01	0.01	0.02						
9874	208 272	< 0.01	0.02	< 0.01	< 0.01						
9875	208 272	< 0.01	0.02	< 0.01	< 0.01						
9876	208 272	< 0.01	0.02	0.02	0.02						
9877	208 272	< 0.01	0.03	< 0.01	< 0.01						
9878	208 272	< 0.01	0.01	< 0.01	< 0.01						
9879	208 272	< 0.01	0.03	< 0.01	< 0.01						
9880	208 272	< 0.01	0.02	< 0.01	< 0.01						
9881	208 272	< 0.01	0.02	< 0.01	< 0.01						
9882	208 272	< 0.01	0.07	< 0.01	< 0.01						
9883	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9884	208 272	< 0.01	< 0.01	< 0.01	< 0.01						
9885	208 272	0.04	< 0.01	0.23	0.33						
9886	208 272	0.04	0.01	0.12	< 0.01						
9887	208 272	0.03	0.02	0.04	0.23						
9888	208 272	0.01	< 0.01	0.02	0.05						
9889	208 272	0.03	< 0.01	0.02	0.04						
9890	208 272	0.01	< 0.01	0.03	0.01						

CERTIFICATION: W. Stanbridge

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 29-AUG-90
Invoice No. : I-9021507
P.O. Number :

CERTIFICATE OF ANALYSIS A9021507

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %
T9891	208 272	0.01	< 0.01	0.05	0.28
T9892	208 272	0.04	< 0.01	0.21	0.34
T9893	208 272	0.04	< 0.01	0.21	0.28
T9894	208 272	0.02	< 0.01	0.15	0.22
T9895	208 272	0.26	< 0.01	1.08	0.34
T9896	208 272	0.02	< 0.01	0.06	0.06
T9897	208 272	0.03	< 0.01	0.07	0.11
T9898	208 272	0.01	< 0.01	0.05	0.08
T9899	208 272	0.17	< 0.01	0.74	0.14
T9900	208 272	0.03	< 0.01	0.16	0.11
T9901	208 272	0.29	< 0.01	1.04	0.65
T9902	208 272	0.05	< 0.01	0.17	0.23
T9903	208 272	0.20	< 0.01	1.16	0.70
T9904	208 272	0.05	< 0.01	0.16	0.20
T9905	208 272	0.04	< 0.01	0.02	0.04
T9906	208 272	0.01	< 0.01	0.02	0.04
T9907	208 272	0.01	< 0.01	0.02	0.04
T9908	208 272	0.03	< 0.01	0.14	0.08
T9909	208 272	0.35	< 0.01	1.53	2.37
T9910	208 272	0.17	< 0.01	0.95	0.17
T9911	208 272	0.04	< 0.01	0.19	0.18
T9912	208 272	0.33	< 0.01	1.32	0.85
T9913	208 272	0.04	< 0.01	0.18	0.16
T9919	208 272	0.20	< 0.01	0.67	0.19
T9920	208 272	0.33	< 0.01	1.69	1.53
T9921	208 272	0.14	< 0.01	0.89	0.56
T9922	208 272	0.18	< 0.01	0.93	0.38
T9923	208 272	0.13	< 0.01	0.41	0.51
T9924	208 272	0.12	< 0.01	0.39	0.71
T9925	208 272	0.14	< 0.01	0.46	0.99
T9926	208 272	0.09	< 0.01	0.34	0.18
T9927	208 272	0.01	< 0.01	0.08	0.01
T9928	208 272	0.10	< 0.01	0.39	0.22
T9929	208 272	0.04	< 0.01	0.12	0.09
T9930	208 272	0.01	< 0.01	0.05	0.05
T9931	208 272	0.04	< 0.01	0.11	0.04
T9932	208 272	0.02	< 0.01	0.10	0.07
T9933	208 272	0.02	< 0.01	0.07	0.05
T9934	208 272	0.01	< 0.01	0.06	0.06
T9935	208 272	0.02	< 0.01	0.07	0.06

CERTIFICATION: Is. Stewart

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 29-AUG-90
Invoice No. : I-9021507
P.O. Number :

CERTIFICATE OF ANALYSIS A9021507

SAMPLE DESCRIPTION	PREP CODE		Ag oz/T	Cu %	Pb %	Zn %						
T9936	208	272	0.01	< 0.01	0.02	0.08						
T9937	208	272	0.03	< 0.01	0.06	0.07						
T9938	208	272	0.01	< 0.01	0.03	0.04						
T9939	208	272	0.03	< 0.01	0.05	0.13						
T9940	208	272	0.10	< 0.01	0.32	0.21						
T9941	208	272	0.08	< 0.01	0.26	1.00						
T9942	208	272	0.08	< 0.01	0.16	0.14						
T9943	208	272	0.10	< 0.01	0.35	0.23						
T9944	208	272	0.08	< 0.01	0.13	0.13						
T9945	208	272	0.13	< 0.01	0.08	0.06						
T9946	208	272	0.25	< 0.01	0.26	0.05						
T9947	208	272	0.10	< 0.01	0.13	0.08						
T9948	208	272	0.16	< 0.01	0.66	0.35						
T9949	208	272	0.10	< 0.01	0.25	0.20						
T9950	208	272	0.22	< 0.01	0.53	0.34						
T9951	208	272	0.25	< 0.01	0.74	0.40						
T9952	208	272	0.28	< 0.01	1.32	0.62						
T9953	208	272	0.20	< 0.01	0.88	0.32						
T9954	208	272	0.04	< 0.01	0.10	0.49						
T9955	208	272	0.06	< 0.01	0.20	0.57						
T9956	208	272	0.27	< 0.01	0.70	1.28						

CERTIFICATION: W. Stankiewicz

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Page Number : 1
Total Pages : 2
Invoice Date: 18-SEP-90
Invoice No. : I-9021836
P.O. Number :

CERTIFICATE OF ANALYSIS A9021836

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %	Zn nsul %	Pb nsul %
T9967	208 272	0.01	0.04	< 0.01	0.01	-----	-----
T9983	208 272	0.01	< 0.01	0.02	0.03	-----	-----
T9984	208 272	0.29	< 0.01	0.91	0.37	-----	-----
T9987	208 272	0.14	< 0.01	0.42	0.26	-----	-----
T9988	208 272	0.35	< 0.01	0.95	0.73	-----	-----
T9989	208 272	0.10	< 0.01	0.21	0.05	-----	-----
T9990	208 272	0.98	< 0.01	1.54	1.12	-----	-----
T9991	208 272	1.04	< 0.01	2.63	0.43	-----	-----
T9992	208 272	0.10	< 0.01	0.16	0.14	-----	-----
T9993	208 272	0.24	< 0.01	0.44	0.44	-----	-----
T9994	208 272	0.13	< 0.01	0.20	0.34	-----	-----
T9995	208 272	0.25	< 0.01	0.40	0.71	-----	-----
T9996	208 272	0.26	< 0.01	0.47	0.54	-----	-----
T9997	208 272	0.14	< 0.01	0.20	0.20	-----	-----
T9998	208 272	0.03	< 0.01	0.04	0.02	-----	-----
T9999	208 272	0.12	< 0.01	0.28	0.39	-----	-----
T10000	208 272	0.12	< 0.01	0.26	0.72	-----	-----
T10001	208 272	0.59	< 0.01	0.85	1.24	-----	-----
T10002	208 272	0.30	< 0.01	0.29	0.25	-----	-----
T10003	208 272	0.12	< 0.01	0.17	0.79	-----	-----
T10004	208 272	0.12	< 0.01	0.20	0.19	-----	-----
T10006	208 272	0.06	< 0.01	0.07	0.13	-----	-----
T10007	208 272	0.03	< 0.01	0.04	0.02	-----	-----
T10008	208 272	0.02	< 0.01	0.02	0.02	-----	-----
T10009	208 294	0.02	< 0.01	0.02	0.02	-----	-----
T10010	208 272	0.07	< 0.01	0.13	0.10	-----	-----
T10011	208 272	0.09	< 0.01	0.13	0.58	-----	-----
T10012	208 272	1.83	< 0.01	1.84	1.94	0.07	0.30
T10016	208 294	0.09	< 0.01	0.25	0.24	-----	-----
T10017	208 294	1.03	< 0.01	3.57	3.54	2.73	2.00
T10018	208 294	0.25	< 0.01	0.71	0.97	-----	-----
T10019	208 294	0.20	< 0.01	0.53	1.60	0.89	0.30
T10020	208 294	0.26	0.01	0.82	3.37	1.30	0.42
T10021	208 294	0.05	< 0.01	0.16	0.15	-----	-----
T10022	208 272	0.21	< 0.01	1.12	0.17	-----	-----
T10023	208 272	0.77	< 0.01	2.62	0.19	0.05	1.17
T10024	208 272	0.99	< 0.01	2.68	0.84	0.32	0.86
T10025	208 272	0.67	< 0.01	1.77	0.19	-----	-----
T10026	208 272	0.06	< 0.01	0.08	0.02	-----	-----
T10027	208 272	0.04	< 0.01	0.05	0.01	-----	-----

CERTIFICATION:

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 18-SEP-90
Invoice No. : I-9021836
P.O. Number :

CERTIFICATE OF ANALYSIS A9021836

SAMPLE DESCRIPTION	PREP CODE		Ag oz/T	Cu %	Pb %	Zn %	Zn nsul %	Pb nsul %
T10028	208	272	0.04	< 0.01	0.03	0.01	-----	-----
T10029	208	272	0.03	< 0.01	0.04	0.02	-----	-----
T10030	208	272	0.03	< 0.01	0.04	0.02	-----	-----

CERTIFICATION: W. Stan Bandziuk

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 17-SEP-90
Invoice No. : I-9022002
P.O. Number :

CERTIFICATE OF ANALYSIS A9022002

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 8816	214 --	1.18	1.52
T 8817	214 --	0.07	0.10
T 8818	214 --	0.18	0.26
T 8819	214 --	2.00	1.84
T 8820	214 --	5.48	7.96
T 8821	214 --	1.12	2.16
T 8822	214 --	1.81	2.77
T 8823	214 --	0.34	1.34
T 8824	214 --	0.20	0.92
T 8825	214 --	0.32	0.66
T 8826	214 --	0.69	0.82
T 8827	214 --	0.38	0.53
T 8828	214 --	0.08	0.10
T 8829	214 --	0.12	0.26
T 8830	214 --	0.11	0.10
T 8831	214 --	0.98	0.37
T 8832	214 --	0.27	0.17
T 8833	214 --	0.48	0.58
T 8834	214 --	0.57	0.80
T 8835	214 --	2.06	3.52
T 8836	214 --	0.31	0.53
T 8837	214 --	0.35	0.76
T 8838	214 --	0.14	0.99
T 8839	214 --	0.07	0.60
T 8840	214 --	0.04	0.39
T 8841	214 --	0.04	0.42
T 8842	214 --	0.09	0.25
T 8843	214 --	0.09	0.25
T 8844	214 --	0.02	0.25
T 8845	214 --	0.17	1.08
T 8846	214 --	0.14	1.13
T 8869	214 --	0.10	0.08
T 8870	214 --	0.06	0.08
T 8871	214 --	0.04	0.05
T 8872	214 --	0.02	0.10
T 8873	214 --	0.01	0.05
T 8874	214 --	0.06	0.06
T 8875	214 --	0.12	1.39
T 8876	214 --	0.11	0.47
T 8877	214 --	1.22	0.73

CERTIFICATION: J. Gen Arnosini

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

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Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 17-SEP-90
Invoice No. : I-9022002
P.O. Number :

CERTIFICATE OF ANALYSIS A9022002

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 8878	214 --	0.44	< 0.01
T 8879	214 --	0.09	< 0.01
T 8894	214 --	1.68	0.67
T 8895	214 --	3.02	0.91
T 8896	214 --	0.13	0.21
T 8897	214 --	0.24	0.28
T 8898	214 --	0.06	< 0.01
T 8899	214 --	0.72	0.57
T 8900	214 --	1.12	0.93
T 8901	214 --	1.79	0.97
T 8902	214 --	2.86	1.35
T 8903	214 --	0.60	0.40
T 8904	214 --	0.30	0.30
T 8905	214 --	0.82	1.01
T 8906	214 --	3.80	2.28
T 8907	214 --	0.79	0.93
T 8908	214 --	3.72	3.08
T 8909	214 --	1.11	1.71
T 8919	214 --	0.33	0.24
T 8920	214 --	0.03	0.06
T 8921	214 --	0.04	< 0.01
T 8922	214 --	0.28	0.10
T 8923	214 --	0.17	0.03
T 8924	214 --	0.10	0.14
T 8946	214 --	0.07	0.14
T 8972	214 --	0.07	0.28
T 8973	214 --	0.01	0.11
T 8974	214 --	0.02	0.01
T 8975	214 --	0.03	< 0.01
T 8976	214 --	< 0.01	< 0.01
T 8977	214 --	0.08	0.08
T 8978	214 --	0.03	0.05
T 9099	214 --	0.79	0.03
T 9100	214 --	0.24	0.02
T 9101	214 --	1.91	0.10
T 9102	214 --	0.04	< 0.01
T 9103	214 --	0.05	0.17
T 9104	214 --	0.54	0.65
T 9105	214 --	0.06	0.09
T 9106	214 --	0.09	0.03

CERTIFICATION: W. Glen Mancini

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

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Invoice Date: 17-SEP-90
Invoice No. : I-9022002
P.O. Number :

CERTIFICATE OF ANALYSIS A9022002

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 9107	214 --	0.32	0.05
T 9108	214 --	0.07	0.10
T 9109	214 --	0.05	0.14
T 9110	214 --	0.06	0.26
T 9111	214 --	0.08	0.28
T 9112	214 --	0.05	0.23
T 9113	214 --	0.03	0.11
T 9114	214 --	0.55	0.31
T 9115	214 --	1.26	0.24

CERTIFICATION: W. Stan Dreimiller

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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Project : BLENDE
Comments:

Invoice Date: 17-SEP-90
Invoice No. : I-9022004
P.O. Number :

CERTIFICATE OF ANALYSIS A9022004

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 9061	214 --	0.03	0.12
T 9062	214 --	< 0.01	0.05
T 9063	214 --	0.13	0.26
T 9064	214 --	0.14	0.26
T 9065	214 --	0.01	0.02
T 9066	214 --	< 0.01	0.02
T 9067	214 --	< 0.01	< 0.01
T 9068	214 --	0.05	0.06
T 9069	214 --	0.08	0.27
T 9070	214 --	0.06	0.08
T 9071	214 --	0.09	0.27
T 9072	214 --	0.03	0.06
T 9073	214 --	0.03	0.14
T 9074	214 --	0.05	0.32
T 9116	214 --	0.59	0.14
T 9117	214 --	0.92	0.13
T 9118	214 --	0.39	0.04
T 9119	214 --	0.96	0.45
T 9120	214 --	0.32	0.17
T 9121	214 --	0.54	0.23
T 9157	214 --	0.63	1.80
T 9158	214 --	0.44	0.27
T 9159	214 --	0.13	0.29
T 9160	214 --	0.32	0.74
T 9161	214 --	0.34	1.65
T 9162	214 --	0.63	0.95
T 9163	214 --	0.31	0.73
T 9164	214 --	0.19	0.19
T 9165	214 --	0.20	0.14
T 9166	214 --	0.26	0.35
T 9167	214 --	0.05	0.14
T 9168	214 --	0.09	0.13
T 9169	214 --	0.48	0.42
T 9170	214 --	0.54	0.44
T 9195	214 --	0.65	0.94
T 9196	214 --	0.14	0.33
T 9197	214 --	0.10	0.16
T 9198	214 --	0.85	1.34
T 9199	214 --	0.85	1.38
T 9200	214 --	1.30	0.61

CERTIFICATION: W. Glen Ansmine

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : BLENDE
Comments:

Invoice Date: 17-SEP-90
Invoice No. : I-9022004
P.O. Number :

CERTIFICATE OF ANALYSIS A9022004

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 9201	214 --	3.97	0.83
T 9202	214 --	0.57	0.32
T 9203	214 --	0.13	0.03
T 9204	214 --	2.98	0.09
T 9205	214 --	0.12	0.02
T 9306	214 --	1.39	0.14
T 9307	214 --	1.30	0.42
T 9308	214 --	1.91	0.69
T 9309	214 --	1.36	1.81
T 9310	214 --	0.42	0.52
T 9311	214 --	0.40	0.21
T 9312	214 --	0.65	0.21
T 9329	214 --	0.77	0.47
T 9351	214 --	1.30	1.74
T 9352	214 --	0.19	0.16
T 9353	214 --	1.26	1.66
T 9354	214 --	0.54	1.40
T 9355	214 --	0.32	2.92
T 9356	214 --	0.85	2.44
T 9357	214 --	2.52	3.52
T 9375	214 --	2.82	4.91
T 9376	214 --	0.85	0.36
T 9377	214 --	1.11	0.25
T 9378	214 --	1.70	0.72
T 9379	214 --	0.96	1.05
T 9380	214 --	2.52	1.51
T 9381	214 --	1.59	0.97
T 9382	214 --	0.59	0.20
T 9383	214 --	2.61	0.29
T 9384	214 --	1.77	0.99
T 9385	214 --	1.84	1.40
T 9386	214 --	0.68	0.73
T 9387	214 --	3.50	2.12
T 9388	214 --	0.28	0.35
T 9389	214 --	0.59	1.20
T 9406	214 --	0.39	0.02
T 9424	214 --	0.85	1.52
T 9425	214 --	0.40	1.02
T 9426	214 --	0.14	0.07

CERTIFICATION: W. Stan Lucanin

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Invoice Date: 18-SEP-90
Invoice No. : I-9022005
P.O. Number :

CERTIFICATE OF ANALYSIS A9022005

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 9466	214 --	2.00	0.13
T 9467	214 --	0.49	0.11
T 9468	214 --	0.25	0.06
T 9469	214 --	1.88	0.36
T 9470	214 --	1.04	0.13
T 9471	214 --	0.23	0.05
T 9472	214 --	0.04	< 0.01
T 9473	214 --	0.08	0.01
T 9474	214 --	0.18	0.02
T 9475	214 --	1.59	0.18
T 9476	214 --	0.65	0.16
T 9477	214 --	0.51	0.18
T 9478	214 --	0.39	0.09
T 9520	214 --	0.11	0.15
T 9521	214 --	1.30	0.50
T 9522	214 --	0.06	0.09
T 9523	214 --	0.89	1.90
T 9524	214 --	0.29	0.41
T 9525	214 --	0.14	0.39
T 9526	214 --	0.13	0.39
T 9527	214 --	0.61	0.37
T 9528	214 --	0.59	0.86
T 9529	214 --	0.30	0.26
T 9559	214 --	0.82	0.28
T 9560	214 --	0.54	0.19
T 9561	214 --	0.79	0.33
T 9562	214 --	0.20	0.27
T 9563	214 --	0.05	0.03
T 9564	214 --	0.51	0.05
T 9565	214 --	0.72	0.07
T 9566	214 --	0.19	0.04
T 9567	214 --	0.72	0.04
T 9575	214 --	0.61	0.16
T 9576	214 --	0.67	0.18
T 9577	214 --	1.81	0.07
T 9578	214 --	1.22	0.08
T 9584	214 --	1.30	0.21
T 9585	214 --	0.74	0.07
T 9586	214 --	0.45	< 0.01
T 9615	214 --	2.61	< 0.01

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Invoice Date: 18-SEP-90
Invoice No. : I-9022005
P.O. Number :

CERTIFICATE OF ANALYSIS A9022005

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %								
T 9807	214 --	2.00	1.62								
T 9808	214 --	1.18	1.68								
T 9809	214 --	1.59	1.61								
T 9810	214 --	1.28	1.77								
T 9819	214 --	1.77	3.64								
T 9820	214 --	0.82	0.46								
T 9821	214 --	1.06	1.07								
T 9822	214 --	0.24	0.24								
T 9823	214 --	0.42	0.58								
T 9824	214 --	0.06	0.24								
T 9825	214 --	0.07	0.86								
T 9826	214 --	0.03	0.42								
T 9827	214 --	0.02	0.04								
T 9828	214 --	0.02	0.08								
T 9829	214 --	0.03	0.72								
T 9830	214 --	0.04	0.93								
T 9831	214 --	0.05	0.85								
T 9915	214 --	4.79	10.40								
T 9916	214 --	0.42	1.61								
T 9917	214 --	0.34	2.02								
T 9662	214 --	2.86	0.18								
T 9663	214 --	0.49	0.10								
T 9664	214 --	2.48	0.16								
T 9665	214 --	1.15	0.10								
T 9666	214 --	1.01	0.06								
T 9701	214 --	1.13	2.46								
T 9706	214 --	0.38	0.20								
T 9707	214 --	0.32	0.50								
T 9708	214 --	0.26	0.20								
T 9720	214 --	5.14	5.90								
T 9723	214 --	0.57	0.46								
T 9724	214 --	0.35	0.90								
T 9726	214 --	0.40	0.52								
T 9727	214 --	0.10	0.18								
T 9728	214 --	1.11	0.34								
T 9775	214 --	0.03	0.10								
T 9776	214 --	0.04	0.12								
T 9777	214 --	0.15	1.03								
T 9778	214 --	0.06	0.10								
T 9779	214 --	0.35	0.10								

CERTIFICATION: W. Thompson

Chemex Labs Ltd.

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British Columbia, Canada V7J 2C1
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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Invoice Date: 18-SEP-90
Invoice No. : I-9022005
P.O. Number :

CERTIFICATE OF ANALYSIS A9022005

SAMPLE DESCRIPTION	PREP CODE	Zn nsul %	Pb nsul %
T 9780	214 --	1.92	0.48
T 9781	214 --	0.63	2.65
T 9782	214 --	0.10	0.20
T 9791	214 --	0.27	0.57
T 9792	214 --	0.04	0.23
T 9793	214 --	0.02	0.10
T 9794	214 --	0.05	0.23
T 9795	214 --	0.10	0.55
T 9796	214 --	0.79	0.39
T 9958	214 --	0.30	1.17
T 9985	214 --	1.18	0.53
T 9986	214 --	0.58	0.48
T 10005	214 --	1.59	0.41
T 10013	214 --	0.13	0.63
T 10014	214 --	0.06	0.43
T 10015	214 --	0.04	0.24
T 9925	214 --	0.38	0.16

CERTIFICATION: W. Linnemann

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To: ARCHER CATHRO & ASSOC. (1981) LTD.

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Page Number : 1
Total Pages : 1
Invoice Date: 7-SEP-90
Invoice No. : I-9022044
P.O. Number :

CERTIFICATE OF ANALYSIS A9022044

SAMPLE DESCRIPTION	PREP CODE	Ag oz/T	Cu %	Pb %	Zn %
T9960	208 294	0.13	< 0.01	0.56	0.75
T9961	208 294	0.16	< 0.01	0.50	0.11
T9962	208 294	0.11	< 0.01	0.27	0.09
T9963	208 294	0.49	< 0.01	1.69	0.21
T9964	208 294	0.34	< 0.01	1.40	0.19
T9965	208 294	0.28	0.02	1.44	0.08
T9966	208 294	0.01	0.03	0.02	0.01
T9968	208 294	0.03	0.13	0.01	0.01
T9969	208 294	< 0.01	0.03	< 0.01	0.01
T9970	208 294	< 0.01	0.03	0.01	0.01
T9971	208 294	0.01	0.04	0.06	0.04
T9972	208 294	< 0.01	0.01	< 0.01	0.01
T9973	208 294	< 0.01	< 0.01	0.06	0.01
T9974	208 294	0.07	< 0.01	0.36	0.27
T9975	208 294	0.05	< 0.01	0.22	0.12
T9976	208 294	0.03	0.02	0.15	0.13
T9977	208 294	0.07	0.01	0.23	0.28
T9978	208 294	0.22	0.01	0.79	1.43
T9979	208 294	0.05	< 0.01	0.14	0.37
T9980	208 294	0.02	< 0.01	0.10	0.17
T9981	208 294	0.05	< 0.01	0.17	0.33
T9982	208 294	0.12	0.02	0.05	0.04

CERTIFICATION: W. Hoffmann

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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Page Number : 1
Total Pages : 1
Invoice Date: 18-SEP-90
Invoice No. : I-9022321
P.O. Number :

CERTIFICATE OF ANALYSIS A9022321

SAMPLE DESCRIPTION	PREP CODE	Pb nsul %	Zn nsul %
T 8981	214 --	1.25	-----
T 8995	214 --	1.14	-----
T 8996	214 --	1.67	-----
T 9001	214 --	4.75	-----
T 9002	214 --	4.30	-----
T 9003	214 --	5.35	-----
T 9004	214 --	1.40	-----
T 9005	214 --	1.22	-----
T 9006	214 --	0.48	-----
T 9007	214 --	0.36	-----
T 9008	214 --	0.43	-----
T 9227	214 --	0.08	-----
T 9228	214 --	7.90	-----
T 9229	214 --	4.40	-----
T 9230	214 --	1.66	-----
T 9231	214 --	1.36	-----
T 9239	214 --	0.53	-----
T 9240	214 --	0.82	-----
T 9241	214 --	0.50	-----
T 9242	214 --	0.66	-----
T 9243	214 --	0.97	-----
T 9244	214 --	0.50	-----
T 9245	214 --	0.36	-----
T 9246	214 --	0.44	-----
T 9247	214 --	2.20	-----
T 9248	214 --	0.67	-----
T 9249	214 --	0.46	-----
T 9250	214 --	3.40	-----
T 9251	214 --	2.50	-----
T 9721	214 --	9.35	-----
T 9722	214 --	5.65	-----
T 9725	214 --	2.70	-----
T 9729	214 --	6.65	-----
T 9730	214 --	8.05	-----
T 9731	214 --	10.10	-----
T 9733	214 --	2.40	-----
T 9739	214 --	0.96	-----
T 9740	214 --	1.12	-----
T 9743	214 --	1.22	-----
9232	214 --	1.69	2.08

CERTIFICATION: W. Stanowski

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: ARCHER CATHRO & ASSOC. (1981) LTD.

1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : BLENDE
Comments: ATTN: DOUG EATON

Page Number : 1-A
Total Pages : 1
Invoice Date: 13-NOV-90
Invoice No. : I-9024886
P.O. Number :

** corrected copy for Ge %

CERTIFICATE OF ANALYSIS A9024886

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Sn %	** Ge %	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
90-4A	214	233	< 5	< 0.01	< 0.001	0.14	48.8	50	< 10	< 0.5	< 2	12.95	82.5	11	16	101	2.11	< 10	19	0.17	< 10
90-4B	214	233	< 5	< 0.01	< 0.001	0.15	59.6	25	< 10	< 0.5	< 2	13.50	34.5	7	14	44	1.52	< 10	8	0.18	< 10
90-4C	214	233	< 5	< 0.01	< 0.001	0.16	156.0	160	< 10	< 0.5	< 2	11.80	65.0	14	15	161	2.07	< 10	13	0.17	< 10
90-4D	214	233	< 5	< 0.01	< 0.001	0.15	28.4	35	< 10	< 0.5	< 2	12.95	48.0	15	11	97	2.77	< 10	6	0.15	< 10
90-5A	214	233	< 5	< 0.01	< 0.001	0.20	51.8	30	< 10	< 0.5	< 2	11.45	66.0	8	8	61	1.11	< 10	17	0.13	< 10
90-5B	214	233	< 5	< 0.01	< 0.001	0.09	10.0	< 5	< 10	< 0.5	< 2	13.90	60.0	7	< 1	32	1.45	< 10	15	0.09	< 10
90-6A	214	233	< 5	< 0.01	< 0.001	0.10	108.5	275	10	< 0.5	< 2	12.25	51.5	16	< 1	106	1.55	< 10	13	0.10	< 10
90-6B	214	233	< 5	< 0.01	< 0.001	0.11	17.8	30	20	< 0.5	< 2	13.80	50.5	13	1	79	1.65	< 10	9	0.10	< 10
90-7A	214	233	< 5	< 0.01	< 0.001	0.13	78.0	85	< 10	< 0.5	< 2	13.25	26.5	23	18	131	2.80	< 10	3	0.12	< 10
90-8A	214	233	< 5	< 0.01	< 0.001	0.23	23.0	65	< 10	< 0.5	< 2	13.25	39.5	11	5	66	1.80	< 10	8	0.26	< 10
90-9A	214	233	< 5	< 0.01	< 0.001	0.12	118.5	75	20	< 0.5	4	9.59	>100.0	16	5	355	2.15	< 10	46	0.07	< 10
90-9B	214	233	< 5	< 0.01	< 0.001	0.15	70.8	155	< 10	< 0.5	< 2	13.80	51.0	13	9	57	1.52	< 10	9	0.14	< 10
90-10A	214	233	< 5	< 0.01	0.002	0.09	79.8	45	< 10	< 0.5	< 2	13.60	>100.0	12	< 1	105	1.76	< 10	38	0.04	< 10
90-10B	214	233	< 5	< 0.01	< 0.001	0.24	33.4	195	< 10	< 0.5	< 2	8.16	>100.0	26	7	120	3.60	< 10	33	0.20	10
90-10C	214	233	< 5	< 0.01	< 0.001	0.21	29.0	50	< 10	< 0.5	< 2	11.25	31.0	23	< 1	199	2.11	< 10	9	0.18	< 10
90-11A	214	233	< 5	< 0.01	< 0.001	0.12	31.6	45	< 10	< 0.5	< 2	12.70	91.0	11	8	58	1.55	< 10	22	0.09	< 10
90-11B	214	233	< 5	< 0.01	0.001	0.10	125.0	185	< 10	< 0.5	< 2	12.20	100.0	28	24	136	3.07	< 10	26	0.06	< 10
90-12A	214	233	< 5	< 0.01	< 0.001	0.09	12.6	5	< 10	< 0.5	< 2	11.25	86.0	12	11	59	1.02	< 10	17	0.03	< 10
90-12B	214	233	< 5	< 0.01	0.001	0.16	35.8	90	< 10	< 0.5	< 2	11.50	40.5	23	14	173	3.31	< 10	2	0.10	< 10
90-13A	214	233	< 5	< 0.01	< 0.001	0.19	16.6	75	< 10	< 0.5	< 2	8.63	73.0	32	27	110	2.67	< 10	15	0.11	< 10
90-14A	214	233	< 5	< 0.01	< 0.001	0.16	12.8	35	< 10	< 0.5	< 2	12.75	76.5	23	18	30	1.43	< 10	21	0.14	< 10
90-14B	214	233	5	< 0.01	< 0.001	0.27	47.4	20	10	< 0.5	< 2	7.39	44.0	32	118	91	3.55	< 10	3	0.22	20
90-14C	214	233	< 5	< 0.01	< 0.001	0.14	13.4	10	< 10	< 0.5	< 2	14.60	73.5	31	18	181	5.69	< 10	19	0.02	< 10
90-15A	214	233	< 5	< 0.01	< 0.001	0.22	131.0	75	< 10	< 0.5	< 2	12.95	46.5	7	22	57	1.20	< 10	14	0.24	< 10
90-15B	214	233	< 5	< 0.01	< 0.001	0.22	33.6	95	< 10	< 0.5	< 2	12.85	76.5	29	5	306	4.55	< 10	20	0.22	< 10
90-15C	214	233	< 5	< 0.01	< 0.001	0.22	24.4	15	< 10	< 0.5	< 2	>15.00	27.0	11	1	50	1.93	< 10	5	0.20	< 10
90-16A	214	233	< 5	< 0.01	< 0.001	0.13	33.2	40	< 10	< 0.5	< 2	14.50	30.0	8	< 1	40	1.62	< 10	11	0.07	< 10
90-16B	214	233	< 5	< 0.01	< 0.001	0.35	26.6	80	10	< 0.5	< 2	12.50	21.0	16	< 1	32	1.78	< 10	< 1	0.37	< 10
90-17A	214	233	< 5	< 0.01	< 0.001	0.12	70.6	280	< 10	< 0.5	12	11.60	65.5	14	25	84	1.52	< 10	37	0.20	< 10
90-17B	214	233	< 5	< 0.01	< 0.001	0.09	21.4	40	< 10	< 0.5	< 2	14.55	37.5	17	7	95	1.24	< 10	16	0.11	< 10
90-18A	214	233	< 5	< 0.01	< 0.001	0.26	36.2	15	10	< 0.5	< 2	10.60	14.5	12	4	34	1.13	< 10	11	0.38	< 10
90-18B	214	233	< 5	< 0.01	< 0.001	0.24	24.4	60	< 10	< 0.5	< 2	9.50	25.0	27	19	30	1.22	< 10	10	0.33	< 10

CERTIFICATION:

Chemex Labs Ltd.

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

To: ARCHER CATHRO & ASSOC. (1981) LTD.

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VANCOUVER, BC
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Project : BLENDE
Comments: ATTN: DOUG EATON

Page Number : 1-B
Total Pages : 1
Invoice Date: 13-NOV-90
Invoice No. : I-9024886
P.O. Number :

CERTIFICATE OF ANALYSIS A9024886

SAMPLE DESCRIPTION	PREP CODE		Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
90-4A	214	233	7.63	1495	1	0.02	8	190	>10000	35	1	30	< 0.01	< 10	20	3	< 100	>10000
90-4B	214	233	7.98	1185	< 1	0.02	3	150	>10000	85	2	31	< 0.01	< 10	10	4	< 100	>10000
90-4C	214	233	6.93	1075	< 1	0.02	18	140	>10000	190	1	29	< 0.01	< 10	< 10	2	< 100	>10000
90-4D	214	233	7.32	2330	< 1	0.02	16	130	>10000	30	2	67	< 0.01	< 10	< 10	3	< 100	>10000
90-5A	214	233	7.07	985	< 1	0.02	< 1	190	>10000	45	1	33	< 0.01	< 10	< 10	3	< 100	>10000
90-5B	214	233	8.22	1320	< 1	0.02	< 1	150	5670	< 5	1	46	< 0.01	< 10	< 10	2	< 100	>10000
90-6A	214	233	7.42	850	< 1	0.02	15	180	>10000	125	1	69	< 0.01	< 10	< 10	5	< 100	>10000
90-6B	214	233	8.26	1055	< 1	0.02	11	140	>10000	10	1	103	< 0.01	< 10	< 10	3	< 100	>10000
90-7A	214	233	7.73	1260	< 1	0.02	25	170	>10000	85	2	114	< 0.01	< 10	< 10	3	< 100	>10000
90-8A	214	233	7.86	1070	< 1	0.03	7	130	>10000	15	2	33	< 0.01	< 10	< 10	5	< 100	>10000
90-9A	214	233	5.95	1085	2	0.02	13	290	>10000	200	1	29	< 0.01	< 10	< 10	4	< 100	>10000
90-9B	214	233	8.65	835	< 1	0.03	5	170	>10000	150	1	37	< 0.01	< 10	< 10	4	< 100	>10000
90-10A	214	233	8.45	1015	1	0.03	6	220	>10000	300	1	35	< 0.01	< 10	< 10	2	< 100	>10000
90-10B	214	233	4.71	940	1	0.02	36	280	>10000	15	2	44	< 0.01	< 10	< 10	4	< 100	>10000
90-10C	214	233	6.65	1570	< 1	0.02	17	200	>10000	50	2	110	< 0.01	< 10	< 10	3	< 100	>10000
90-11A	214	233	7.82	855	< 1	0.03	7	210	>10000	65	1	55	< 0.01	< 10	< 10	2	< 100	>10000
90-11B	214	233	7.57	690	1	0.02	35	180	>10000	425	1	40	< 0.01	< 10	< 10	1	< 100	>10000
90-12A	214	233	6.93	760	1	0.02	2	220	4420	< 5	1	42	< 0.01	< 10	< 10	3	< 100	>10000
90-12B	214	233	6.85	1125	1	0.02	16	250	>10000	70	2	125	< 0.01	< 10	< 10	3	< 100	>10000
90-13A	214	233	4.61	1570	< 1	0.02	16	280	4900	10	1	26	< 0.01	< 10	< 10	7	< 100	>10000
90-14A	214	233	8.12	1020	1	0.03	10	280	1950	10	1	64	< 0.01	< 10	< 10	4	< 100	>10000
90-14B	214	233	3.61	2170	1	0.03	13	200	>10000	45	2	62	< 0.01	< 10	< 10	14	< 100	>10000
90-14C	214	233	7.11	3880	< 1	0.04	33	220	>10000	15	4	78	< 0.01	< 10	< 10	31	< 100	>10000
90-15A	214	233	8.32	750	< 1	0.03	9	200	>10000	280	1	32	< 0.01	< 10	< 10	5	< 100	>10000
90-15B	214	233	7.72	1975	< 1	0.03	32	180	>10000	35	1	75	< 0.01	< 10	< 10	6	< 100	>10000
90-15C	214	233	10.10	1390	< 1	0.04	6	160	>10000	30	1	61	< 0.01	< 10	< 10	4	< 100	>10000
90-16A	214	233	9.18	1230	< 1	0.03	7	130	>10000	30	1	35	< 0.01	< 10	< 10	3	< 100	>10000
90-16B	214	233	7.92	975	< 1	0.03	12	250	>10000	30	1	62	< 0.01	< 10	< 10	5	< 100	>10000
90-17A	214	233	6.38	920	< 1	0.03	15	240	>10000	55	1	48	< 0.01	< 10	10	4	< 100	>10000
90-17B	214	233	7.85	1280	< 1	0.03	7	130	>10000	30	< 1	55	< 0.01	< 10	< 10	3	< 100	>10000
90-18A	214	233	5.80	780	< 1	0.02	8	310	>10000	35	1	42	< 0.01	< 10	10	5	< 100	7190
90-18B	214	233	5.11	765	< 1	0.02	23	290	>10000	30	1	55	< 0.01	< 10	< 10	7	< 100	>10000

CERTIFICATION:

092942

ABBREVIATIONS & SYMBOLS FOR 1988 & 1990 DIAMOND DRILL LOGS

ROCK TYPES

DOAR - DOLOARENITE
DOSI - DOLOSILTITE
DOMR DOLOMICRITE
MUDS MUDSTONE
SILT SILTSTONE

UNIT A - CAPROCK - BLACK MUDSTONE
UNIT B STROMATOLITE
FLAT-UNDULOSE
CONICAL
BRANCHING COLUMNAR
UNIT C - UNDULOSE CRYPTOALGAL LAMINATE
UNIT D 'WORMY' (SPAR) = MOLAR TOOTH
UNIT E DOLARENITE WITH INTER = LAMINATED LIGHT COLORED MUDSTONE & DOLOMICRITE WITH MUDCRACKS SLUMP STRUCTURE, NEPTUNE MICRO-DYKES
UNIT F DOLOMICRITE - DOLOSILTITE INTERBEDDED
Fa DOLOSILTITE
Fb DOLOMICRITE

STRUCTURE

	BR	BRECCIA -
	BC	CRACKLE
	VN	VEIN (>5cm)
	VM	MACROVEIN (10mm - 5cm)
	VT	VEINLET (1 to 10mm)
	BD	BEDDED
	BN	BANDED
	IB	INTERBEDDED
	LM	LAMINATED
	IL	INTERLAMINATED
	SS	SOFT SEDIMENT SLUMPING
	MT	MOLAR TOOTH ('WORMY')
	ST	STYLOLITIC
	SP	SPARRY
	OO	OOLITIC
	IC	INTERCLAST
	MC	MUDCRACKS
	CL	CRYPTOALGAL LAMINATE
	GN	GNEISSIC
	SW, SK	STOCKWORK
//	$$	SHEETING
	FR	FRACTURED
	CV	CLEAVAGE
	SH	SHEARED
~~		FAULT (BREAK)
	MX	MASSIVE

MINERALS

AG	ANGLESITE
AZ	AZURITE
CB	CARBONATE
CC	CHALCOCITE
CE	CERUSSITE
CP	CHALCOPYRITE
CY	CLAY
DO	DOLOMITE
GL	GALENA
SD	SIDERITE
SL	SPHALERITE
HZ	HYDROZINCITE
PY	PYRITE
QZ	QUARTZ
QC	QUARTZ-CARBONATE
QV	QUARTZ VEIN
QS	QUARTZ > SIDERITE
TT	TETRAHEDRITE
SX	SULPHIDE GENERAL (GL, SL & PY)
SQ	SIDERITE > QUARTZ
GZ	GALENA GREATER THAN SPHALERITE
G=	EQUAL TO
G<	LESS THAN
>>	MUCH GREATER THAN
LI	LIMONITE
SI	SILICIOUS
MT	MARCASITE

NOTE - NOT FINAL EDITION, MAY BE A FEW MORE

MODE OF MINERALIZATION

B (BL)	BLEBS
+ (BE)	BRECCIA FILLING
C	COATING
*	CLASTS
D (DI)	DISSEMINATED
K (SW)	STOCKWORK
L (LM)	LAMINATED
< (VT)	MICROVEINS-VEINLETS (TO 10MM)
> (VM)	MACROVEINS (10mm-5cm)
V (VN)	VEIN (>5cm)
$	SHEETING
F	FRACTURE-CRACK
S (SV)	SULPHIDE (GL, SL) VEIN MACROVEINLETS OR VEIN

MISCELLANEOUS

OXD	OXIDE
HYP	HYPOGENE
FRV	FRACTURE CLEAVAGE
UC	UPPER CONTACT
LC	LOWER CONTACT
D/S	DOWN SECTION
U/S	UP SECTION
FC	FAULT CONTACT
MIN/Z	MINERALIZATION
BLE	BLEACHED
∠	ANGLE TO CORE AXIS
ICR	INCREASING
DCR	DECREASING
AMT	AMOUNT
>	GREATER THAN
<	LESS THAN
>>	MUCH GREATER THAN
FW	FOOTWALL
HW	HANGING WALL

NOTES ON BEDDING & FRACTURE CLEAVAGE

BEDDING - ON SURFACE IN GENERAL STRIKES SOUTHEAST AND DIPS MODERATELY NORTHEAST. DIPS RECORDED ON LOG ARE ANGLE TO CORE AXIS AND ASSUMED TO DIP NORTH

FRACTURE CLEAVAGE

F1 - PRINCIPLE CLEAVAGE ON SURFACE STRIKES SOUTHEAST AND DIPS STEEPLY TO SOUTHWEST. DIPS RECORDED ON LOGS ARE GENERALLY OF MODERATE ANGLE TO CORE AXIS & CROSSCUTS BEDDING

F1a - RARELY SEEN IN CORE; MODERATE ANGLE TO CORE AXIS & DIPS OPPOSITE DIRECTION TO F1

F2 - FROM THE FEW SURFACE MEASUREMENTS TAKEN THIS WEAKER CLEAVAGE STRIKES NORTH TO NORTHEASTERLY AND DIPS VERY VERTICAL TO VERTICAL. IN CORE GENERALLY IT IS AT LOW ANGLE TO CORE AXIS & DIPS SAME DIRECTION AS BEDDING.

NOTE WHERE TYPE OF CLEAVAGE NOT INDICATED IT IS F1 AND DIPS SOUTHERLY

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 1 of 19

ELEVATION 1774.75m	DRILL CONTRACTOR E. CARON	CORE SIZE NQ	TOTAL DEPTH (m) 236.22
COORDINATES 19,999.48N; 10398.73E	LOGGED BY M.P. PHILLIPS	SURVEY/DEPTH: COLLAR 44.8 / 134.7	ZONE 5,6,7,9
HOLE STARTED JUNE 9/90	COMPLETED JUNE 13/90	DIP: 50° / 50° / 50°	SECTION 10,400E
		AZIMUTH: 004° / 006° / 004°	

Drill Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
						OVERBURDEN													
					1														
					2														
					3														
	4.27				4	4.3m — DOLOMICRITE MED DK GRAY TO MED GRAY. LM-V THIN BD	35°N								4.27				
					5	OCC NARROW OXD. FRC. <2% TO 3MM SD ULTS - MINOR SX			TR	<	TR	<	O	O	TR	TR C					
		3.0	100		6	6.0m — TRN — STRONG OXD FRC & SD ULTS. ICR. SD ULTS D/S			O		O	O	O	O	TR		T8801	0.06	0.07	0.08	<0.01
					7	~~~? 6.55 - FAULT? 6.8m - TRN	35°N		O		O	O	O	O	TR		7.27				
					8	8.15 — D/S ICR SD & OXD, BTM 0.1m - STRONG LI & INTENSE OXD.			O		<1	<	O	O	TR	C					
		3.0	100		9	8.49 — 8.76 DOLITIC QZ-SD V 2 & 10CM WIDE											T8802	0.08	0.18	0.07	<0.01
	10.27				10	SD ULTS 2-3% UP TO 2MM AV 1MM. MOST FRC WEAK OXD. SL & PY OXD MIN 1% WEAK	35° N		O		<½	<	O	O	TR <	TR C	10.27				
					11		20° N														
		3.0	100		12		30° N										T8803	0.06	0.30	0.06	<0.01
	13.27				13	D/S 13.0 - STRONG LM - D/S															
						13.45 - 15CM - ICR SD CASH ULTS WITH ±5% GL & LI — SD ULTS WEAKEN 1% UP TO 10MM AV 1MM. SD GENERALLY IRR OCC WEAK OXD (LI)	25° N		O		O	O	O	TR	TR	13.27				
					14		30°	55°S													

CERTIFICATE NO. A9011

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B4 — Page 2 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sketch Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					14	DOLOMICRITE - occ 10-20cm BED OOLITIC													
			3.0	100	15		30°N								T8804	0.08	0.25	0.07	<0.01
							30°N	60°S											
	16.27				16		35°N								16.27				
					17		25°N	50°S											
			3.0	70											T8805	0.06	0.14	0.04	<0.01
					18		35°N	50°S											
							15°N	55°S											
	19.27				19										19.27				
							20°N	45°S											
					20														
			3.0	80											T8806	0.05	0.10	0.03	<0.01
					21		25°N	65°S (1cm SD)											
							30°N	65°S											
	22.27				22										22.27				
							30°N												
					23														
			3.0	90											T8807	0.13	0.11	0.04	<0.01
					24		30°N	60°S											
						D/S 25m - TO 4cm AU 2cm ANGULAR BRECCIAS - PRIMARY													
	25.27				25		35°N	45°S							25.27				
					26	25.85-35m SD+MINOR QZ VLT-TR CL	25°N	40°S											
						26.40													
			3.0	60		D/S. SLIGHT ICP IN SD ULTS - TO 15mm - AV 2-3m WIDER ULTS || 1-2m IN WEAK DISS GL													
					27		25°N	45°S	O		M<	O	O	O	T8808	0.10	0.17	0.05	<0.01
						SD - FRX & PY (?) TO LT ; SD ULTS 1-2%													
							35°N	45°S											
	28.27				28										28.27				
							30°N												
					29														

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80 B4 Page 3 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				29	DOLOMICRITE													
		3.0	100	30		45°N								T8809	0.12	0.10	0.03	<0.01
31.27				31		30°N	45°S (SD)											
					31.40 SHARP CNT.									31.27				
				32	WORMY DOLOMICRITE = DARK GRAY DOLOMICRITE WITH LIGHT GRAY TO WHITE SPARRY.	30°N		0	<0.3	0	0	0	<0.3					
		3.0	100		DOLOMITE LM 1-2M TO 5mm AV 1-2mm. SUBROUNDED BLEBS YOUG, OVPD & BROKEN DOLOMITIZED FOSSIL?; LM BROKEN													
				33	DISTINCTIVE UNIT									T8810	0.20	0.18	0.05	<0.01
					- SD VLTS TO 3cm AV 4-10mm, USUALLY CONC IN BANDS TOD 5m & SPACED 0.5m - 1m APART. VLT. DISS CL & PYMS OXD - MZ & LT, SD 1-2%	35°N												
34.27				34		25°N												
														34.27				
				35	35.0 D/S 5-10mm SD VLTS RARE; SD VLT <1%.	30°N	60°N											
		3.0	95					0	<0.1	0	0	TR	<0.3					
				36	36.15 D/S SPARSE DOLOMITE BLEBS LM DCR	15°N								T8811	0.22	0.17	0.05	<0.01
				37		20°N	30°S											
37.27														37.27				
					TRN CNT	10°N												
				38	DOLOMICRITE - MED LIGHT GRAY - MED GRAY MASSIVE - U FAINTLY BD.	25°N	50°S											
		3.0	90		IN PART LOOKS DOLOSILTITE U FINE BROKEN LM - SM?													
				39	CALL THIS MASSIVE DOLOMICRITE -	30°N	45°S							T8812	0.08	0.32	0.07	<0.01
					39.8 - D/S ICR SD VLT - 2mm - 3cm AV; 5-10M SD VLTS WITH FAIR GL-DISS 2M VLT; 2-5mm VLTS SE/SEBALLY BEST MIN/B; WALLROCK WK-FAIR BLE;	30°N												
40.27				40				0	0.5	F <SD	0	0	TR	<0.3	<SD	40.27				
		0.95	90			35°N								T8813	0.30	1.33	0.23	<0.01
41.22				41										41.22				
		1.53	100	42	41.85 SK SD VLT TO 15mm GL-DISS SD RIM SD & CRACKFILLING + MINOR PY, GL-3% HZ.	20°N												
					42.25 DOLOM-BLE STRONG	35°N		-42.25						T8814	0.23	2.75	0.53	<0.01
42.75				43	-42.75 SHARP DCR D/S SD. VLTS.	30°N		<0.1	<SD	0.3	<SD	0	0	M	<0.1	<SD	42.75				
					43.3 - TRN CHANGE ROCK TYPE													
		3.15	80		SEE NEXT PAGE									T8815	0.09	0.26	0.06	<0.01
				44	D/S 42.25 - U WEAK SD VLTS MIN/B: FIRST SL SEEN	25°N												

CERTIFICATE NO. A 9601107

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 4 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Logged	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ.	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					44	THIN LM TO LM. DK GRAY TO BLACK, DOLOMICRITE AND LIGHT GRAY DOLOSILTITE - FINE GRAINED DOLOARENITE:													
					45	DISTINCTIVE - ALT LIGHT & DARK LM	10°N	45°S											
—	45.90	—	—	—	46	— 45.80 - SHARP CNT - FRX TO D/S HIGHLY OXD. - 45°N			45.90						45.90				
						HIGHLY OXD ON FRC & SD ULTS; SEMI-SR FRC & OLIVY, FAIR-MOD < 2MM SD ULTS - OCC			0	0.5 F <SD	0	0	0	1					
		1.86	80		47	REPLACING GRAY SPARRY DOLM. STRONG FRC TOP ~0.75M & ~BTM 0.5M. CRACKLE BC?									T8816	1.47	2.21	0.45	<0.01
						CL - ASSOC SD & IN FRC.													
—	47.76	—	—	—	48	— 47.75 — D/S 47.75 - ROCK LOSES LM DK & LIGHT GRAY STRONG LOOK; DELICATE LM NOT PROMINENT	25°N		47.76						47.76				
						D/S 47.75 WK SD ULTS - FAIR OXD ULT & CLV. LOOK MORE LIKE "DOLOMICRITE"			0	TR SD ULT	0	0	0	TR					
					49														
		3.0	80			— TRN — 49.50 D/S - BLACK & LIGHT GRAY LM PROMINENT, TOWARDS CC LM V THIN BEDS NOT PROMINENT									T8817	0.11	0.20	0.05	<0.01
					50		10°N	50°S											
						— 50.5 — D/S & LIGHT ICE 3D.													
—	50.76	—	—	—	51	VLTS - TO 10MM AT 5-5 MM — / 51.0 TRN — DOLOARENITE - MED GRAY COLOR. FAINT LM - BD. FINE GRAINED. GRADES D/S INTO DOLOMICRITE	20°N								50.76				
					52		25°N	45°S											
		2.88	100			— 53.0 — HIGHLY FRC - BC (?) IN PLACES WITH SD FILLING: ~5% SD MINOR CL	25°N								T8818	0.25	0.35	0.10	<0.01
					53	/ TOP CUT MIN 2 ZONE													
—	53.64	—	—	—		— 53.64 - SHARP CNT — / HOR OXD, WALLROCK BLE, 5C; 5D ULT 1-10M. 2 BLEBS - ~25MM FRC & BLEB (TO 30MM) CL. FAIR PY, STRONG HZ			53.64 2 C	5 B	0	0	1	< 3 C.	53.64				
					54	— 53.95 — 50° CNT FRX ROCK WITH 1-7MM AU 2-3MM SD VLT (CLV) FAIR CL, WK SL, NIL PY			53.95 <0.5 SDV	2 SDV	0	0	0	0					
						— 54.4 — SHARP, FP° SIMILAR TO MIN 2 ZONE ABOVE. WALLROCK BLE FAIR OXD; ALTERNATING IRREG AP BANDS UP TO ±10CM ALONG CLV, SEPARATED BY HIGHLY FRC-BC. ROCK: BLEB SD FAIR; VLT WEAK, FAIR? INTERCLAST? SD CL - BLEB, VLT, FRC, DISS AND LM ALONG BD; STRONG HZ.			54.4										
		3.0	100		55				0	3 DE SD. +	0	0	0	3 C.	T8819	2.77	2.29	0.78	0.01
					56														

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80-4 Page 5 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Small log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	CD %
					56	DOLOMICRITE													
						56.2 - CNT 60°			56.2									OPT	
						WEAK SK-VLI SD 2 3mm ~3-5% WEAK CL±SL			0.5 ∠SD	0.5 ∠SD	0	0	0	TR					
	56.64					56.67 BRECCIA - CLASTS ANG SUBANGULAR 2mm - 4CM.			56.67						56.64				
					57	SD: INTERCLAST 1 BLEBS TO 1CM; CLAST SUPPORTED													
						57.0 CLAST SUP, BLE, FAIR CL, TSL, PY	25°N	40°S	57.0										
						SD ULTS 1MM-10MM AV 3-5M ~5%			TR ∠SD	0.5 ∠SD	0	0	0.3 ∠SD	M	C				
						WEAK-FAIR DISS CL-MINOR SL IN SD ULT													
						57.70													
						ICE SD ULT; NOTE STRONG SD FLOODS ROCK ALONG													
						CLU I PROBABLES, PSEUDO BR, SD ULTS TO 20MM; WK GL; SD ~10%													
		3.0	90		58	58.25 SD ULTS ALONG ED REPLACING MICRITE									T8820	7.24	12.6	2.87	0.02
						~2% ∠2-3MM SD ULTS; NOTE ALONG CLU, MINOR ALONG BD	30°N	60°S											
						MINOR GL, TSL													
					59	58.95													
						MIDDLING 20CM BR ZONE WITH FINE SD:													
						BLEBBY K ICM SD WITH UPPER & LOWER													
						SD FLOODING ALONG CLU. WK GL, MINOR SL-HZ LEACHED													
	59.64					59.70	35°N	50°S							59.64				
					60	AT TOP CNT TREC ULT SD ALONG CLU I													
						EXTENDING IN FRC OUTWARDS FROM CLU I													
						IN PLACES REPLACING PRIMARY STRUCTURE													
						TOWARDS BTM FRC IN FAIR SD BECOMES													
						STRONGER, ROCK BLE & IMPARTS BC-BR													
						APPEARANCE TO ROCK; SD ~5%													
					61	LOOKS LIKE FRC ROCK IN SD ALONG FRC WEAK													
		3.0	95			GIVES ROCK BR-BC APPEARANCE									T8821	1.53	3.13	0.82	<0.01
						STRONG PITTED; IT COATED													
						61.60			61.60										
						STRONG CLU - NIL - WEAK TO BLEBBY			3 F Σ	5 F <	0	0	<0.5 ∠SD	TR	C				
						SD ∠60M ALONG CLU; LOOK SOMEWHAT BR, STRONG GL, SL MINOR PY													
						61.85 CL - DRY FRC ± ASSOC SD; ROCK FAIR BLE	25°N	50°S	61.85										
					62	TWO 5 ± 10CM BANDS WITH													
						FAIR SD ULT, CM-MM ULTS & BLEBS													
						62.46			62.46										
	62.64					BC - WEAKENS BTM 20CM; SD - TREC.									62.64				
						INTERCLAST 2 TO 2CM BLEBS & ULTS													
					63	FAIR CL, SL; CLASTS IN PLACES BLE; SD ~15%			3 F ∠	3 F ∠SD	0	0	0.5 ∠SD	M	C				
						63.40			63.40										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 9084 Page 6 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					63														
						63.40 — OOLITIC DOLOARENITE - DK COLORED, FINE GRAINED			63.40										
						10%-15% ULT > BLEB'S SD ICR D/S TO SK CRACK ULT ≥ BLEB TO 10MM ~20%													
		3.0	95		64	WEAK DISS, CL ⩽ SD									T8822	4.33	1.26	2.07	0.01
						64.62 — TRN			64.62										
						CLU BC AT TOP GRADING D/S INTO BR-BC · CLAST 3-20MM ANGULAR			5	5	0	0	1	MC					
					65	AND ICR CLAST SIZE TO BTM CNT BLEBBY ≥ INTERCLAST SD STRONG SL ≥ CL, FAIR DY														
						65.53 — TRN			65.53										
	65	64				GASH BLEBS ULT SD: IN PLACES BC SL > CL = FAIR — DOLOMICRITE - MED LIGHT GRAY TO MED GRAY, VEINLT LM			5	3	0	0	1	0	65.64					
					66	66.10 — BR; SEMI-MASSIVE SL ~30% WK CL													
						66.35 — CRACK ≥ BLEB SD ≥ 5/8													
						66.60 — BR - BLEB-15MM SD; STRONG SL-20-40% 66.70 —													
						66.80 — BR - 50% IC. WHITE SD - WK. SX AT TOP ≥ BTM CNT 66.95 —													
		3.0	95		67	~40% TO 10CM TEBEC ZONES - BC & SD ULTS ≥ BLEB; NOTE TO 5MM SL ONLY ULT SL > CL									T8823	3.09	5.83	1.84	0.01
						67.63 — BR - 2MM ACM ANG ICR CLAST													
						STRONG INTERCLAST SL, FAIR ULT CL													
					68	67.95 —	25°N												
						68.20 — CLU BR; HEAVY IC SL ≥ CL; 30% SL; 15% CL WEAK BLEB ≥ ULT-GASH SD													
	68	64				68.64 — 2-10MM WIDE HEAVY SL > CL ANG CL ≥ GRADE INTO BC ≥ BR									68.64				
					69	BR - FINE CLASTS AT TOP WITH HEAVY IC SL WK CL ≥ WEAK IC ≥ BLEB SD; BTM NAKE CLASTS LARGER ~12CM													
						WEAKER MIN ⩽ 2 ICR BLEB < 10MM ≥ AGM COARSE XL QZ > SDV													
						69.65 — STRONG CLU - OFTEN WITH GASH BLEBS ≥ SD TO 10 MM WITH FAIR SL > CL													
		2.90	90		70	70.1	15°N	45°S							T8824	1.94	3.65	1.18	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-4 Page 7 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sketch log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CD %
					70	DOLOMICRITE												
						70.1 BR - 2MM - 4CM AV 5MM CLASTS (CLW) WK BLEB & ASH ULT SD; SL IN CRACKS CL ASSOC. BLEBS SD											
						70.35 ~10-20% 1MM - A 2CM (BR) ULTS WITH FAIR-WEAK BLEB SD & STRONG SL, FAIR GL											
						70.7 BR - TOP WK BLEB SD & HEAVY IC, GL WK CL TOWARDS BTM. ICR TO NEAR U BLBR SD. & COARSER CLASTS W SL WEAKENING											
					71	71.2 WK <1MM ASH BLEB & BDING BLEB SD			71.20									
	71.54													71.54				
					72	71.93 BC - CLU CONTROLLED 15-25° WHITE & PALE YELLOW SD - VLT, & BLEB; PY > CL > SL - BTM. GOOD MIN/Z											
						72.15 D/S 72.15 - 74.54 - WORMY DOLOMICRITE												
						THREE POORLY DEFINED 5-8CM WIDE BANDS FRC TO BC WITH STRONG IC & FRC. SL; FAIR-WEAK BLEB & ULT SD			2 FT IC	1 <SD	0	0	1 <SD					
		3.0	100		73	73.0 1MM - 10MM BANDS, WIDE SPACED AT TOP & ICR TOWARDS BTM W STRONG GL WK CL MOD SD ULT USUALLY GL > SL	30°N							T8825	1.76	2.52	0.76	<0.01
						D/S 74.15 - MED LIGHT GRAY DOLOMICRITE												
					74		30°N	50°S										
	74.54					74.24 BR-BC - TO 74.65m - 80% TO 7CM BLEB - PATCH TO 7CM. SD W QZ; 3-30MM PATCHES FINE BR BLEB W HEAVY SL LOW CL			74.24									
						D/S 74.65 - UP TO 4CM CLASTS IN FINE (<5mm) CLASTS MOD MIN/Z SL GL > PY; ~10-15% BLEB SD - TO 10-20MM.			4 IC.	2 <SD		0	1 <SD		14.59			
					75													
						75.35 WEAK IRREGULAR BC WITH POOR MIN/Z			75.35									
		3.19	100		76	76.10 WEAK GASH - FRC YEL SD. <2MM NEAR BTM CNT WHITE 10CM SD ULT OFFSET BY 1MM SD CRACK FILLING; U WK MIN/Z	20°	40°S	1 + SD	1 <SD		0	1 <SD.	T8826	1.82	2.32	0.85	<0.01
					77	77.0	20°	50°S										

CERTIFICATE NO. A 8201011

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 8 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE (CLEAVAGE)	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					77	77.0 TOP 1 BTM 10CM: BANDS = BR STRONG SD. & CL 2ND STRONG FC SL												
						77.35 D/S 77.35 - WORMY DOLOMICRITE MED GRAY LM - CONTORTED TO 79m			77.35									
	77.73					SD VLTS 5-30MM AV. ~10MM SPACED, 10-30CM APART AV-10-20CM APART & USUALLY WELL MIN/Z SL>CL TR PY. NOTE VLT OCC. 11 & 6X BIM/SD VLT			1 <SD	.05 <SD	0	0	M <SD	77.73				
					78		25°N											
					79	79.2 DOLOMICRITE - LM - VT BD, ALTERNATING MED & DARK GRAY COLOR.	30°N	45°S										
						79.30 TRN - WEAKER SD VLT & MIN/Z			79.30									
			3.0	100		UP TO 5MM AV 1-2MM SD WHITE > YEL SD VLTS: WK MIN/Z, MINOR QZ VLTS SD. QZ VLTS - MORE COMMON			< 0.3 <SD	< 0.3 <SD	0	0	TR <SD.	T8827	0.64	1.03	0.93	<0.01
					80		35°N	60°S										
						80.5 80.4 BRECCIA - PRIMARY - ANG. 2-30mm DARK MICROSILTITE CLASTS IN A LIGHT-MED GRAY MICROSILTITE MATRIX. TOWARDS LC - RR TEX WEAKENS & LOCK DK GRAY			80.5									
	80.73					D/S YEL SD VLT 1-5 MM WIDE WIDELY SPACED - AV 1-1.5M. OCC WITH FLECK OF CL RARE VLT W. WEAK SL WEAK QVD ON ELV. FRC & SD VLTS									80.73				
					81	81.3 AT TOP WK WORMY MED DK GRAY DOLOMICRITE GRADING INTO DK GRAY DOLARENITE (OOLITIC)												
			3.0	95	82		35°N	60°S						T8828	0.15	0.13	0.07	<0.01
						82.45 DOLOMICRITE - MED LIGHT GRAY TO MED GRAY. THIN LM - LM												
					83		30°N	50°S										
	83.73				84		35°N	50°S						83.73				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B4 — Page 9 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithol og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					84	DOLOMICRITE - AS PREVIOUS												
					85		35°N	40°S										
			3.0	85										T8829	0.17	1.10	0.35	<0.01
					86		45°N	55°S										
						-86.3 - 50° x 2CM SD @ 70° CL, SL? - WK LEACHED												
	86.73				87	D/S DOLOMICRITE GENERALLY MED DK GRAY.	45°N	45°S						86.73				
						-87.4 - 50° x 4CM SD V 20% DISS & TO 1CM BLEBS CL												
					88		45°											
			3.0	95										T8830	0.32	0.20	0.09	<0.01
					89		30°N	45°S										
	89.73					-89.73 SK 5-15MM SD VLTS - 20% ; DOL BLE, SV-OXD, MINOR CL, WEAK MS								89.73				
					90	-90.07	45°N											
					91	D/S 19.1	30°N	45°S										
						-91.1 SEMI-SK TO 10MM WHITE SD VLTS - 10%												
			3.0	100		-91.4 20MM VLT - OXD - PITTED WEAK CL								T8831	1.04	0.43	0.17	<0.01
					92	WK (2%) WHITE SD VLTS <3MM — 92.0 - D/S WK OXD ON FRC WEAK	45°N	50°N										
	92.73					-92.65								92.73				
					93	SD - VLT TO SEMI SK IN PLACES, IC WHITE SD. WITH 3 - 10MM SD VLTS; WK - MOD GL, SL & PY IN PLACES LEACHED; SD 5-7% NOTE <1-2MM YEL SD V.T LATER THAN WHITE SD	50°N											
					94	-94.0												
			3.0	100		IN PLACES FAIR VLT - SEMI SK WHITE SD - UP TO 2CM & 4-10MM TRACES CL								T8832	0.46	0.34	0.15	<0.01
					95	-95.2	45°N											
	95.73				96	WHITE SD VLT - TENDING TO SKS IN PLACES VAGUE TO 10CM BP CLAST MATRIX; WEAK DISS CL >PY>SL IN SD. — 96.15 DOLOSILTITE - DOLARENITE MED GRAY; IN PLACES LOOKS PRIMARY BRECCIA	45°N	40°S							95.73				
					97	-96.55 WK 1-2MM SD; FAIR SD VLT; CRACK FILLING SL/CL/TT — 96.80 TOP 10CM HEAVY DISS SL IN FINE BR. D/S ~20% TO 15MM SD V - STRONG CL FAIR CL								96.80				
			3.0	100		-97.55			5 D.F. <SD.	2 F <SD.	0	TR	1 <SD.	T8833	1.25	1.38	0.68	0.01
					98	SD VLTS - 2-10MM AVG - 4 STRONG SL/CL AT TOP AND AT BTM CUT — 97.8 DOLOMICRITE - LM; MED GRAY & MED DK GRAY. NORMALLY MED GRAY 98.10 PY/CL & SL VERY WEAK SL OFTEN CRACK FILLING CL			2 F	1 <SD	0	0	2 <SD						
	98.73						40°N							98.73				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B4 — Page 10 of 10

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Symbol og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					98	DOLOMICRITE - AS PREVIOUS												
						2-3% YEL 1MM-5MM SD ULTS & UP TO 2CM AG 10-MM WHITE SDV ≈1/1 M' PNK-FAIR SL=GL TT SD ULT'S BORDER CRACKFILLING 5% REST IN 2-4MM SD ULTS											
	98	98.73																
					99		40°							98.73				
			1.97	100										T8834	1.12	1.57	0.61	0.01
					100													
	100.70					100.55			100.55									
						STRONG - 20-40% SD - TO 3CM V. BLEB & IN PLACES IC								100.70				
			0.75	100	101	ID PLACES BR TEXTURE / SD+MIN/2 SL BIMS SD ULTS U.D. & IC GL - BIM SD & FILLS CRACKS IN SD' BTM 20CM HEAVY SL DISS IN BR' BTM LOOK WEAK FLOW BANDED - 60° X AT CNT 5CM WHITE MINE GRAINED DOLM			5 F <SD	2 <SD	0	0	1 <SD	T8835	5.73	8.05	3.73	0.03
	101.45					101.52			101.52					101.45				
					102	WK SD 1/2% 1MM-50MM & 1/2-3M VLT V & GASHES MIN/2-BIM X DISS SD. FAIR AT TOP & D/S. WEAKENS IN PLACES SK SD 2-3CM PRODUCES FAINT BR;			< 0.5 <SD C	< 0.3 <SD	0	0	< 0.5 <SD.					
			3.0	100	103		30°	45°						T8836	0.41	0.89	0.33	< 0.01
					104	104.10 SDT AT WK MIN/ESD VLT V WK SD ULT < 1MM; D/S 105 - IN PLACES NARROW BANDS OF DOLABENITE - UFINE GRAINED	35°		104.1									
	104.45					104.95			104.45					104.45				
						5-7% SD. VLT & SEMI SK: UP TO 2CM. STRONG GL > PY BIM SD: WEAK SL NOTE ICP PY.			0.5 <SD E	3 <SD	0	0	1 <SD.					
					105	105.10			101.10									
			3.0	100										T8837	1.05	2.27	0.9	< 0.01

CERTIFICATE NO. ADDITIONAL

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 11 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					105	105.10 — DOLOMICRITE - MED GRAY - MED DK GRAY, LM													
					106	WK SD VLS <1% 0CC. 10MM; WK MIN/Z GL AND OCC STRONG PY BIMMING SD VLT.													
						106.6 — START ICP SD VLT 1 MIN/Z.	35°N		106.6										
	107.45				107	SD ≈ 2°/o (LOW) VT 2-15MM AV 5-10MM SD VT WEAK - STRONG MIN/Z 3% 3% LOW PY										107.45				
					108	OFTEN SD VT TO 50% SX, TOWARDS 6TH A FEW BC TO 8CM WK SD & STRONG SX	40°N		2 <SD + C	3 <SD + C	0	0	<0.3 <SD	0					
			3.0	105	109	ZONE CHARACTERIZED BY LOW SD VT, NARROW BC BUT WELL MIN/Z	35°N	45°S							T8838	2.25	4.19	3.18	<0.01
					110		40°N	50°S											
	110.45					110.46 —			110.46						110.45				
					111	D WK SD VT 1 TR SX	40°N	45°S											
						SD - 1% (WEAKER TREND) D/S 106.6m. SD VT A-2.5cm													
			3.0	105	112	BEST SX ON 4MM UT & IN PLACES BECOMES SV. NOTE SX HEAVIEST P/M SD WITH SL FURTHEST FROM SD. WIDE SPACED 1/1-2m. TO 30MM. BC WITH SX/SD. SL ≥ GL	40°	60°	2 <SD + C	2 <SD + C	0	0	<0.3 <SD		T8839	2.15	5.93	4.18	<0.01
					113	113.0 — STRONG SX IN SD VT, 3V & WEAK BC	40°	65°											
	113.45					113.45 — D/S SD WEAKENS &			113.45						113.45				
					114	TWO - 3 & 4CM WIDE SD VT-BC - GS; MINOR < 5MM SD VT; TCP PY?		60°	1 <SD +	2 <SD +	0	0	1 <SD +						
						114.42 — D/S TCP SD VT, DCP SX			114.30										
			3.0	100	115	SD 2-4% VT 3-15cm AV 3-5m; RARE 15cm BP WITH SD BF; WEAK SX AT TOP & D/S. 11 CONCP IN. 10-30MM VT & VH ~0.5m APART; GL > SL	30°	45°							T8840	0.30	1.83	0.95	<0.01
							30°	45°	1/2 <SD +	1 <SD.									
	116.45				116										116.45				
					117			50°											
						D/S TCP SD & MIN/Z													
			3.0	100	118	117.65 — SD 10-15% IN VT SOMEWHAT SEMI-SW 3-15MM AV 5-9MM; GENERALLY MOD. IN PLACES, STRONG SX; SL > GL & IN PLACES P/M ABOVE MIDRANGE; VT - MONG ERVE BD; IN PARTS SW FEATURE	30°	60°	117.65						T8841	1.22	2.37	1.88	<0.01
						VT ~ 1/5CM.; SX P/M SD VT.			3 <SD +	2 <SD +	0	0	1 <SD +	0					
					119	118.85 — D/S DCP VT & SX - LC. MIN/Z ZONE?			SV 118.45	SV									
	119.45														119.45				
					120	SEE NEXT PAGE FOR DESCRIPTION													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 8854 Page 12 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	#Z	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					120	DOLOMICRITE — AS PREV.													
						FCV WK ENS; SD 1-2% 1-10MM AV 2-3MM VT SD ONLY OCC MIN 2 ± 1-2M			<0.3 <SD	<0.1 <SD	0	0	1 <SD						
		3.0	95		121	UP TO 10MM VT ST DOING. SX; SL>PY>CL	20°	40°							T8842	0.19	0.40	0.23	<0.01
						±120.45 - 122.2 - STRONG DK GRAY (ARGILLACEOUS) LM													
					122		30°	60°											
	122.45					D/S 122.2 - DK GRAY LM NOT AS COMMON									12245				
						I22.8 — D/S ICR (WK) SD VT ± SX			-122.8										
					123	LIGHT MED GRAY BD - FINE GRAINED GRADED DOLARENITE GRADING TO DOLOSILTITE	50°	50											
						SD 2% ST TO 15MM AV 3-5MM SL > PY > CL			0.5 <SD	0.3 <SD	0	0	1 <SD						
		3.0	100		124		30°?	60°							T8843	0.22	0.46	0.23	<0.01
						124.25 — D/S DCR SD VT			-124.25										
					125	SD VT 1-5MM AV 1-2MM ~ 1%													
	125.45					RARE WK-FAIR GL>SL ~ 1/1-2m.									12545				
					126		25°	60°											
					127														
		3.65	100			127.0 — ICE SD VT - ~2-4% AV 5MM MOD-STRONG SY IGC IN SD VT			127.0 ± <SD	.1 <SD	0	0	<0.2 <SD		T8844	0.17	0.68	0.32	<0.01
						I27.62 — — —	30°	70°	-127.62										
					128														
					129	UC MIN 2 ZONE	30°	45°											
	129.10					TOP & BTM 60CM & 5CM VN (BR) W STRONG BF SX - GL>GL; MIDDING 3-10MM AV 2-5MM NOTE FDS - DITOPPS BD WITH FAIR-STRONG GC; NOTE IRN VT TO SW TO BC-BR (CLASTS IN SD & SX)			4 BF <SD F	2 BF <SD E	0	0	1 BF <SD	<0.3 C	12910				
					130	130.05 — — —	30°	55°											
						WK SD VT < 2% FAIR GC ± PY.	50°?	60°											
		3.0	100		131	130.55 — BR - SW - STRONG BEB (TO 15MM) SD: STRONG SX: OC-GC ± LC, PY>GC									T8845	2.51	6.03	2.99	0.01
						130.85 — NOTE SD 7 FRV THAN ⊥ TO FR V	35°	60°											
						WR SD VLTS & D/S ICR SD & SX GC													
					132	131.99 — — CNT - HEAVY SX —			-131.99										
	132.10					BC - BR: SD ~ 5%: TO 10MM BLEBS, < 1MM BF & NEAR LC, 25CM UN									132.10				
						STRONG BF SX - GC AT TOP & D/SGZ SX = 10-15% BEST SX WHERE BLEBBY, SD STRONGEST			6 BF F	9 BF F	0	0	1 BF	TR C					
					133														
		3.0	100		134	134.0 — LC-TEN			-134.0						T8846	2.11	9.78	6.67	0.02
						FAIR < 3CM BC, USUALLY MOD-STRONG SX-GC; < 5% SD CNT BC-IRREG - SEMI SW; WK SD + SX VT			3 BF F	2 PF	0	0	1 BF						
	135.10				135	135.03 — — LC MIN E ZONE	35°		135.03						135.10				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B 4 — Page 3 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE
	135.10				135	135.05 XC MIN Z ZONE — DOLARENITE - MED LIGHT GRAY FAINT DK GRAY LM;		
					136	<1% FR & WK BLEB SD — 135.10~137 = LM-U THIN BEDS IAN MODS		50°
			3.0	100	137	< 136.85' — WK BC <1% FR SL>GL; 137.33 — D/S ICR SD VT		55°
	138.10				138	SD 3-5% VT - 3-15 AV 5MM & IN 1-2MM FR ABOUND CORE XC SDVT MINOR - TR GL		45°
					139			
			3.0	100	140	DS± 140m - DIS. APPEARS TO BECOME FINER GRAINED DOLOSILTITE? - LM NOT AS PROMINENT	35°	55°
						140.44' ~70% BC - BF SD WK SX PUSGL SL=0		
	141.10				141	< 140.80 — DK ICR FRV & SD.	30°	55°
						SD-5-7%; U FEW CORE XC - SDVT - UP TO 15MM AV 10M; MOST SD <10MM CASH & BLEB FILLING, RARE <10CM BRW SD. BF		55°
					142	SDVT - LOOKS AS IF TWO SETS OF FRC ONE // SD & SECOND ONE 11 BD; SX - 1M VT WK - STRONG IN SD, <3.5MM WIDE; SPACED 1' 0.5 - 1M SL>PY>GL TOTAL SX <0.5%	15°	45°
			3.0	100	143	MOST SDVT - <1-2MM CASH - SEMI SW		
						FAIR - MOD FRV -	25°	55°
	144.10				144			
					145		20°	40°
			3.0	100	146	146.10 — D/S. DCR. SD VLT	20°	45°
	147.10				147	SD <1%, VT 1-8MM AV 2-4MM; OFTEN SD 11 SD RATHER THAN FOLLOWING. FRV; DCC TO 149m. TO 4mm SX IN SDVT SL>GL (WEAK) PUSGL?	10°	60°
					148	WK - FAIR CRACK FRV. - OBSCURES BD. - ALMOST 11 WK SW FRC - NOT XC CORE - NORMAL & FOLLOW ALONG BD		
			3.0	100	149		15°	60°
	150.10				150			

SULPHIDES % / MODE							SAMPLE NUMBER	ASSAYS			
SL	GL	CP	TT	PY	HZ			Zn %	Pb %	Ag OPT	Cu %
135.05											
							T8847	0.15	0.86	0.33	<0.01
							138.10				
							T8848	0.04	0.61	0.30	<0.01
<0.3 <SD	<0.1 <SD	0	0	<0.3 <SD			141.10				
							T8849	0.80	0.95	0.38	<0.01
							144.10				
							T8850	0.33	0.31	0.14	<0.01
							146.10				
							147.10				
							T8851	0.46	0.16	0.08	<0.01
							150.10				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 14 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz	Cu %
	150.10				150	DOLOSILTITE - AS PREVIOUS								150.10				
						SEE PREV. DESCRIPTION											OPT	
					151			50°										
			3.0	100										T8852	0.15	0.08	0.04	<0.01
					152	152.0 — D/S ICP SD & MIN/2 - TRN			152.0									
						SD 5-7% FEW CORE XC TO 10MM VT MAFIC BLEB/BC W PY & CRASHES ALONG CLU & FOLLOW SD; WEAK - FAIR SX-SLYCL-IN VT (XC CORE)			0.5 <SD	<0.1 <SD	0	0	<0.1 <SD					
	153.10				153									153.10				
					154	154.0 — TRN - D/S WEAKER SD VT & SX			154.0									
			3.0	100										T8853	0.09	0.30	0.09	<0.01
					155	SD <2% · OCC <20CM 'SW' BANDS ASU/S 154.0m RARE SD VT W SX (TRACE)												
						FRV WK - RARELY XCUT CORE												
	156.10				156									156.10				
						156.9 — TRN												
					157	OC-FR W SL D/S BC W SL INTO 8CM BR HEAVY SL/GL; BR-65° SHARP LC PTM 12CM - R, STRONG SD & CRACK-FACTURE. PY>SL>GL · SX = 10-20%			156.90 10 F 157.30	5 +	0	0	1 E					
			3.0	100		157.30 —								T8854	1.11	0.95	0.41	<0.01
					158	SD - ~3% SD - FR & BLEBS IN WK BC & WK VT SX WK PY>SL>GL; SX <0.5%												
	159.10													159.10				
					159	159.60 TRN — NOTICEABLE D/S. DCR SD.												
					160	VTNK SD <0.2% - MOSTLY <1MM VT RARE 20MM VT MINOR PY												
			3.0	100										T8855	0.12	0.08	0.05	<0.01
					161	D/S. 161m - TRN ROCK DARKER - FINER GRAINED. NOTE FRV DISTURBS SD; LM NOT AS WELL DEVELOPED;		55°										
	162.10				162			65°						162.10				
					163		0	60°										
			3.0	100										T8856	0.02	0.01	0.01	<0.01
					164		0°											
	165.10				165									165.10				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-4 Page 15 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

sudi og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
—	165.10	—	—	—	165	DOLOMITIZED - DOLARENITE BARE X BD; DK UNITS SOFTSED DEFORMED?								165.10	—	—	—	—
					166	166.05 20° X 15 MM. FINE BR-FAULT												
						166.5												
		3.0	100			50% GRAY WHITE SD-BL&UT TO 3CM II BD-PATCHES STRONG PY (XL)								T8857	0.15	0.09	0.05	0.01
					167	167.82 - FAIR 2-8 MM SDVT & 15 mm BC to FR SL; SL>GL												
						167.20												
—	168.10	—	—	—	168	SIMILAR TO U/S 166.05 m. MINOR < 5MM SDVT to 2-4MM PY ONLY 5X; ISD = 0.5%								168.10	—	—	—	—
					169	U WK FRV - DETENDS INTO BD-DK FRV - DISTURBS BD MORE ARGILLACEOUS BANDS												
		3.0	100		170			50°						T8858	0.01	0.02	0.02	0.01
—	171.10	—	—	—	171		45°?							171.10	—	—	—	—
					172		30°	55°										
		3.0	100		173		15°	60°						T8859	0.01	0.02	0.02	0.01
—	174.10	—	—	—	174		10°	30°						174.10	—	—	—	—
					175		10°	45°										
		3.0	100		176									T8860	0.05	0.06	0.02	0.01
						AT 176.65 - <10MM SD BL @ FAIR SL;												
—	177.10	—	—	—	177		0°	65						177.10	—	—	—	—
					178			60°										
		3.0	100				10°	55°						T8861	0.04	0.02	0.02	0.01
					179													
—	180.10	—	—	—	180		II FRV 40°?	40°						180.10	—	—	—	—

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 16 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Scroll og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK CHANGE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
	180.10				180	SLIGHT ICR (~1%) D/S 180.9 A. + SD FR & VT MINOR SLYGL — DOLARENITE - MS PREV V FINE GRAINED										180.10			0.01	
					181	NOTE FRV - OFTEN III BD - V WK														
			3.0	100			60°	55° II BD.							T8862	0.04	0.02	0.02	<0.01
					182		45°													
	183.10				183															
						183.4 D/S 183.4 CUT TRN - COARSER GRAINED LACKS 1 M-BD. MASSIVE LOOKING FINE SAND SIZE; MED LIGHT GRAY - NOTE ICR SD. VT - MORE COMPETENT ROCK - DEFINITE DOLARENITE	45°	60°	-1834-							183.10				
					184															
			3.0	100											T8863	0.63	0.21	0.07	0.01
					185	SD 7-10% AS. 1-5MM AND. 2-5MM VTS, OFTEN. 1-3MM VT & SW AROUND D WIDER. VLT SUB II TO X; SX IN. 5-8MM SDVT & IN. CRACKS PERPENDAL TO SD. SLYYGL = PY. SL V 1%			1 <SD 0.3 <SD F	0		0		<0.3 <SD						
					186	SDVT+SX = 1/5-25CM SDVT +/- TO SW AROUND FRV SD		55°?												
	186.10					FAIR FRV CLV.									186.10				
					187	D/S 187 MIN Z WEAKENS & GL>SL		55°												
			3.0	100											T8864	0.51	0.37	0.12	0.01
					188			60°												
	189.10				189	189.0 D/S CHANGE ROCK TYPE & DCR SDVT	20°		189						189.10					
					190	SD<1% IN 1-3MM AND 1MM VT + FR. WK-V WK FRV. TR GL>SL	15°	65°	D/S 189.0 - CHANGE ROCK TYPE LIGHT GRAY TO MED LIGHT GRAY WK - MARROW BANDS LM DCR										
			3.0	100											T8865	0.03	0.08	0.08	0.01
					191		15°	70°	TAN LM V FINE GRAINED DOLOMICRITE										
	192.10				192	D/S 191.55 ICR SD. - WK VT & FR. & SW SD TO 2% WK SLYGL - <0.1%	15°	70°	D/S 191 TRN - LIGHTER LM COARSER GRAINED = DOLOSILTITE & DK LM DOLOMICRITE						192.10				
					193	D/S 193.0 TRN DCR SD.														
			3.0	100											T8866	0.13	0.07	0.05	0.01
					194	194.2 - 1CM COARSE SD VM - FAIR BIM SLOUGH	45°	55°												
	195.10				195		25°	60°							195.10				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 — Page 17 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH / COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

SAMPLE LOG	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	ZD %
	185.10				185	DOLOSILTITE AS DRLD.												
						SEE PREV DESCRIPTION								185.10			DPI	
					186		15	65°										
			3.0	100										T8867	0.56	0.10	0.05	< 0.01
					187													
						187.65 — D/S ICR SD + SV												
						D/S 187.65 DOLARENITE - AS D/S 183.4m; MED GRAY TO MED DK GRAY; MASSIVE												
	188.10				188									188.10				
						FBV - DOMINANT ONE POORLY DEVELOPED; MAINLY CRACKLE FR. ROCK												
					189	SD 2-3% MAINLY AS 1-3 VT (WK) AND FR.; WIDE SPACED 3-10CM BANDS SW TO WK												
			3.0	100		BC BF SD.								T8868	0.39	0.11	0.06	< 0.01
					190	WK SX < 0.3% SL > GL > PY.												
	201.10				201									201.10				
					202	202.70 - 203.75 — ICR SD VT + BL + SV												
						SL > GL IN < 10MM BL VT; SL = 3-5%												
			3.0	100										T8869	1.09	0.33	0.14	< 0.01
					203													
	204.10				204									204.10				
					205													
			3.0	100										T8870	0.43	0.28	0.08	< 0.01
					206													
	207.10				207									207.10				
					208	207.95 — FAULT? - HIGHLY BROKEN - CM ON FRC												
						208.10 — D/S 208.1 - DOLOSILTITE - AS D/S 181 LIGHT GRAY TO MED LIGHT GRAY; FAINT DESTROYED FBV												
			3.0	100										T8871	0.21	0.18	0.06	< 0.01
					209	HEADY-INTENSE FBV. VERY FINE; WK CM ON FR. V WK < 0.5% SD. TR. SX + HZ(?)		75°										
								60°										
								70°										
	210.10				210									210.10				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 18 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/T	Cu o/a
—	210.10	—	—	—	210	DOLOSILTITE - AS DRED.		70°							210.10	—	—	— OPT	—
						AS DRED.													
					211			75°											
			4.08	85	212	— 211.65 —		60°							T8872	0.72	0.46	0.10	0.01
						STRONG FR & BC SD; WKLY ; 212.75-216.10 DOLOMICRITE - MED DK GRAY - DK GRAY												
					213	- 212.75 FAULT; OR BD CNT - SH		65°											
						BC - BR, MAIN 3-4% BR SD; FRSL ~1% > GL (LOW)													
						213.45 — GRAY FINE-COARSE GRAINED CB/DOL SD; REPLACING DK GRAY DOLOMICRITE (<5% CLAST SEEN); WHITE DOL?												
—	215.18	—	—	—	214	- 214.28 CNT BY <5MM WHITE SD VT; SX - WK PY									214.18	—	—	—	—
						FRV TO STRONG BC TO WK SD BR 215.15-215.95 - FAULT.													
			1.92	100	215	SD - MAINLY VEINE FR FILLING ~2-3% CLASTS <10MM AV 2-4MM.									T8873	0.12	0.18	0.03	0.01
—	216.18	—	—	—	216	— 216.10 — D/S ROCK NOT AS HIGHLY FR									216.10	—	—	—	—
						BC - UP TO 2CM BANDS BR SD WITH FAIR SL <2%; BC WEAKENS D/S 216.10													
					217	— 216.7 —													
			2.77	100		STRONG FINE FRV & SW SD - MOSTLY <1-2MM FR FILLING & TO 20MM SD VT AT TOP; WK SL > GL. D/S. 213.6 - WEAKEN FRV; SIMILAR AS D/S 212.75; MED DK GRAY DOLOMICRITE & DOLOSILTITE FAINT DK GRAY LM.									T8874	1.08	0.16	0.09	0.01
					218	D/S, 218.54 BC & ICE SD.		85° 65°											
—	218.87	—	—	—	219	218.95 — SH - BR - 70° ±			218.95						218.87	—	—	—	—
						WK - FRV & FR; 10% SD BR - TOP 40CM & BTM 10CM ANGULAR TO BLADED CLASTS OCC BLEB IN A <1 TO 2MM BR MATRIX												
			1.81	100	220	FR BLEB & VT - 10% SX; GL HIGHER PY AT BTM. 10-15% BLEB & FR SD, BLEBS TO 20MM; SX = 15% BR; GL STRONG LOWER BAND			4 | + E <SD	6 | + E <SD	0	0	1 SD.		T8875	2.6	1.43	1.72	0.01
—	220.68	—	—	—	221	220.75 - TRN — D/S 220.75 DOLARENITE - LIGHT GRAY FAINT LM; IN PART DK GRAY LM SECTIONS.	30°	50°	220.75						220.68	—	—	—	—
			1.62	100		221.2 - MOD GY IN SV & SD VT									T8876	0.80	2.25	0.38	0.01
					222	221.77 - D/S 15CM, 30-40MM VT W ST PONC GL			3 | + F <SD	2 | + <SD	0	0	C.						
—	222.30	—	—	—		222.3 - SHARP CNT 65% BR 20 & 50CM AT TOP & BTM; 10% BLEB, BF & FR SD; SL - MAY COMPLETE OXD GY IN STRONG SV - BF D/S. 222.; MED LIGHT GRAY 2223 UC OXD FAIR									222.30	—	—	—	—
					223	223.05 - TRN; MIDDLING SW SD & BC			223.05						T8877	2.86	2.21	0.45	0.01
			2.50	100	224	NARROW <5CM BC WITH SDPF; 10% BLEB & FR SD GLVT AT TOP; WK HZ													
						224.0 BR STRONG UC & D/S TO BC; 10% SD BLEB & VT SL & HZ - FR. SL WEAKENS D/S													
—	224.80	—	—	—	225	224.8 SEE NEXT PAGE D/S 224.8 - DOLOSILTITE - SEE NEXT PAGE									224.80	—	—	—	—

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-4 Page 15 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sugil log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					225	SD 7-12%, FR<1MM TO 20MM VT SEMI SX - SW & AV2-4MM NIL SX; TR-HZ?													
						DOLOSILTITE - MED GRAY, FAINT LAM; 225 UC-OXD - D/S V PEAK.													
			3.0	100	226	226.0 50% TO 5CM BANDS BR IN HEAVY BL SD MATRIX; SL-PART OXD 2% TR CL2 PY.										T8878	1.36	0.07	0.05	0.01
					227	227.0														
	227.80				228	~25% 5CM-20CM BR-BC IN STRONG BF SD, TO 5CM VT & FR-WK SW AV1-2MM SD 10-15% SD WK SL2 HZ? AT UPPER BR-BC IN A FEW PLACES TO 1CM BLEBS PY IN SD.										227.80				
			3.0	100	229	229.5 TAKEN AT RTH BC.										T8879	0.29	0.07	0.03	0.01
					230	± 229.5 D/S COARSER GRAINED FINE SND-OOLITIC IN PLACES DOLARENITE - HOWEVER IN PLACES DOLOSITE, SIMILAR TO ABOVE;														
	230.80				231	5% SD 1MM-15MM AV2-3MM VT & FR. NIL SX; AT 232.85 - 5MM SD + PY VT.										230.80				
						FINER GRAINED D/S DOLOSILTITE														
			3.0	100	232	D/S 232 SD VT DCP 2-4%										T8880	0.04	0.04	0.02	0.01
					233															
	233.80				234											233.80				
					235											T8881	0.07	0.13	0.05	0.01
			2.42	100		235.25 7CM CM SD TO 1CM PY+LL ICR. 6D 5-7% x 4CM VT														
	236.22				236	236.22 END OF HOLE										236.22				
					237															
					238															
					239															

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B5 Page 1 of 20

ELEVATION 1738.82 DRILL CONTRACTOR E CARON CORE SIZE NQ 0-79.55 / BQ TO 292.31 TOTAL DEPTH (m) 292.91

COORDINATES 19,935.22N; 10402.43 LOGGED BY M.P. PHILLIPS

HOLE STARTED JUNE 13/90 COMPLETED JUNE 18/90

SURVEY/DEPTH	COLLAR	100.6	168.2	292.3
DIP	-50°	-50°	-48	-43
AZIMUTH				

ZONE 2,5,6,7,9

SECTION 10400E

Lithol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK CODE / METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag PPM OPT.	Cu %
					0	CASING - NO RECOVERY - OVERBURDEN												
					1													
					2													
					3													
						3.51												
					4	ARGILLACEOUS DOLOMICRITE - LM-V THIN BEDDED, TAN COLOR/SUP?)	35°N											
						4.50 — TRN												
	4.11				5	DOLARENITE - FINE GRAINED, MED LIGHT GRAY, OCC DK LM; A FEW NARROW BANDS <10CM ARGILLACEOUS DOLOARENITE	45°N	60°S						4.11				
		3.0	86			1/1-2MM TO 8CM QXD SD ULTS ∞ STRONG												
					6		46°N								T8882	0.01	0.01	0.01	0.01
						6.7 - 7.2 - BED TAN ARGILLACEOUS DOLOMICRITE												
					7		50°N	50°S										
	7.11														7.11				
					8	8.3	50°N											
		3.0	92		9	STRONG CRACK FRC IN PLACES STRONG CLY WITH SUP ALT IMPARTS BC-BR TO ROCK; MINOR < 5CM BR W QXD SD-DK BRWN A FEW QZ-SD VLTS - 5-10MM WIDE		60(?)S						T8883	0.02	0.01	0.01	0.01
	10.11				10										10.11				
					11	11.2 — D/S 11.2 - QXD ON FRC WEAKENS	40°N	50°S)										
		3.0	100		12	WK CRACK (<1MM) TO 10MM SD ULT 1/0.3M	46°N								T8884	0.01	0.01	0.01	0.01
	13.11				13		35°N								13.11				
					14	13.75 — FRC-SD BAND - CRACK SD: WK - STRONGLY DEVELOPED IMPART BR APPEARANCE													
					15	AND IN PLACES CRACK TO 8MM BR MATRIX FILLING UP TO 8MM SD ULT 1/0.3-0.5M	45°								T8885	0.12	0.04	0.01	0.01
						EOH												

CERTIFICATE NO. A9011561

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 9085 — Page 2 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					15	15.24 — DOLARENITE - MED LIGHT GRAY TO MED GRAY, FAINT LM-U EDGE BEDDED AS 13.75-15.06m													
						15.64 —												
	16.11				16									=16.11				
						UP TO 20MM AV 10MM SD & SD+QZ VLTS 1/0.5-1m	35°N											
					17													
			3.0	95														
							45°N							T8886	0.06	0.03	0.01	0.01
					18													
	19.11				19	19.10 STRONG CLU W WK CRACK FILLING SD IMPARTS BC APPEARANCE TO ROCK WK TO 5mm AV 2MM SD VLTS - PART-W MOLLY OXD.	30°N	55°S						=19.11				
					20	20.20												
			3.0	80		20.80 HIGHLY BROKEN - 2-5cm CHIPS - FRESH ROCK W STRONG CY+LI SURFACE LOOKS LIKE STRONG CLU ROCK W SUPERGENE ALT ALONG CLU PLANES	35°N	55°S					T8887	0.63	0.05	0.03	0.01
					21	21.34												
						21.55 — 55°?-5cm - INTENSE SUP ALT - SWN CLU? STRONG CRACKLE LI - WK HZ	35°N	55°S									
	22.11				22	WEAK CRACK & VLT TO 3MM SD ; WEAK-FAIR OXD ON FRC.								=22.11				
					23													
			3.0	75														
					24	D/S 24.08 - LM & BD FAINT TO ABSENT	40°N	55°S						T8888	0.11	0.04	0.02	0.01
					25													
	25.11					25.30 TRN STRONG BIF/SUP HIGHLY FRC + SUP ALT IMPARTS BC-BR TEXTURE; U WK CRACKFRC SD.								=25.11				
					26	26.00 — TRN, MIDDLING 5CM SAND - FAULT												
			3.0	95		WEAK CRACK (<1MM) SD & SD VLTS TO 10MM 1/0.3m TO 1m.								T8889	0.07	0.11	0.04	0.01
					27													
	28.11				28	28.1 — IRREGULAR, POORLY DEFINED BANDS OF BC-BR CLASTS IN SD MATRIX, CAN SEE TRN FROM CRACK CLU @ SD TO BC TO BR. DISS SLID. 6D - U WEAK.								=28.11				
					29	28.95 — MOD FRC WITH WK CRACKFILLING SD.												
			3.0	70		29.6 — STRONG FRC W SUP CY ON FRC. AT 29.7E - 3cm BR @ SD HIGHLY PITTED & LI COATED								T8890	0.85	0.20	0.07	0.01
					30	30.0 — WEAK HZ												

CERTIFICATE NO. A8011521

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 8085 Page 3 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	STRUCTURE CLEAVAGE
					30	36.0		
						FAIR FRC WITH WEAK SD — DOLAREDITE - RED CRY, U WEAK LM - U THIN BEDS		
						WITH WIDESPACED 1 0.5 - 2m. UP TO 20CM BANDS STRONG CRACK FRC SD ± ULT TO BLEB UP TO 10MM ± BC.		
— —	31.11 =	—	—	—	31			
					32			
			3.0	100	33			
							35°N	
— —	34.11 =	—	—	—	34	34.0		
							30°N	
					35	WEAK CRACK SD: WIDESPACED <4MM SD ULT OFTEN W CHOCOLATE BWN LI (SX)		
			3.69	73	36			
							25°N	40°N
						36.65 CORE BROKEN INTO 1CM - 10CM PIECES = WEATHERING ALONG CLU FRC. - IN PLACES WK BC ⊠ SD ; CRACKED FILLNG SD ULT WK, UP TO 2CM USUALLY <3MM TRACES CL		
— —	37.80	—	—	—	38			
					39			
			2.43	55				
— —	40.23	—	—	—	40	40.23 - 12CM: BR? - NICELY OXD; SD VLTS ? WITH CL ± HZ D/S 41.6M - 1 REC BR IN SD MATRIX; SD CRACK TO 10MM BLEBS		
					41	40.95 BR CLASTS 2mm - 30MM STRONG CRACK ± BLEB - U.I.T SD TO 1CM 41.10 BR = BC OXD; FAIR DITTED 5% CL, FAIR HZ	35°N	40°S
			3.2	90	42	FAIR FRC, WK CRACK ± ULT < 10MM SD. 41.85 - 7CM OXD; BR? - BLEB < 5MM SD FAIR CL ± HZ	30°N	50°S
						WEAK - FAIR SX FRC; WK CRACK SD ± ONE 10MM SD VLT		
— —	43.23	—	—	—	43	43.08 — 5CM? — BR - 60° OXD, STRONG LI FAIR CL ± HZ AT ± WK FRC — 15MM BR - SD WITH CL, HZ ± LI		
					44	43.95 — UPPER 15CM COARSE SD IN: 10MM VLTS ∥ & D/S GRADES INTO FINE < 3MM BR AROUND UP TO 7CM CLASTS ± BTM 30CM. CLU CONTROLS	40°N	
			3.33	75	45	44.85 — BR XC CORE; OXD - NO SX OR HZ SEEN		

SULPHIDES % / MODE						SAMPLE NUMBER	ASSAYS			
SL	GL	CP	TT	PY			Zn %	Pb %	Ag OPT.	Cu %
						31.11 =	—	—	—	—
						T8891	0.04	0.02	0.02	<0.01
						34.11 =	—	—	—	—
						T8892	0.06	0.05	0.02	<0.01
						37.80	—	—	—	—
						T8893	0.08	0.03	0.01	<0.01
						40.23	—	—	—	—
						T8894	1.78	1.16	0.26	<0.01
						43.23	—	—	—	—
						T8805	3.11	1.28	0.44	<0.01

CERTIFICATE NO. A8801051

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	BLENDE PROPERTY	HOLE No. 9085 Page 4 of 20
ELEVATION	DRILL CONTRACTOR	CORE SIZE / TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / ZONE
HOLE STARTED	COMPLETED	DIP / SECTION
		AZIMUTH

[illegible] og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					45	44.85 — DOLOMICRITE - MED GRAY MICRLY FRC; 5 UP TO 8 CM QZV, FAIR C'PACK SD < 1MM FAIR OXD - WK SX MOSTLY MED DK GRAY, MASSIVE 0°: FAINT LM												
					46	46.16 — HIGHLY OXD, 5 CM SANDRED SDV UP TO 4 CM MOSTLY 4-10 M ST-LEACHED - BRN WORK · MINOR CL ± HZ												
	46.56					46.56 — STRONG CRACK FRC, UWK SD ULT < 1MM									46.56				
					47	47.55 HIGHLY FRC W FAIR TO 10MM FRC FILLING SD AT TOP AND D/S SD SK PRODUCES B.R TEX · WK LI												
			3.0	100	48	48.00 — WK SD VLTS (1-2%) < 10MM & 3-4MM WIDE SPACED (1/0.5-1.5m) UP TO 3CM SDV	40°N							T8896	0.14	0.50	0.07	0.01
					49	49.21 - 45° 1CM SD + CL V. 49.50 - 45° 1CM SD + CL V													
	49.56				50										49.56				
			3.0	90	51	51.20 THREE SD + HEAVY CL, FAIR & VLTS 5-15MM 51.90 FAIR TO STRONG OXD.	45°N							T8897	0.25	0.59	0.11	0.01
	52.56				53	52.80 — D/S ICR SD VLT ± V ICR SD. CRACK, TO 2CM VEINS; IN PLACES WK SX; SD ~ 3-5% - 1 @ 5-10MM; TWO SETS ⊥ IR MIN/Z	45°N								52.56				
			3.0	100	54									T8898	0.07	0.07	0.03	0.01
					55	54.60 — WK SD VLT 1-4 MM < 0.5% NIL SX, CARE LI D/S 55.3 - DOLOMICRITE - LIGHT OLIVE GRAY THICK-MASSIVE · COLOR-OXD												
	55.56				56		30°N	55°						55.56				
					57	56.55 - D/S SLIGHT ICR SD ± MIN/Z													
			3.0	100	58	ICR SD - 2% 1MM - 10MM @ 2-4M OXD MOSTLY: WK-ST BDY, CL ± HZ ± LI ROCK LOOK ICR FRC CLV. 58.00 — HIGHLY OXD, STRONG CRACK SD' (LEACHED) & FAIR 58.27 — TO 10MM BLEBS VLT: MINOR CL, FAIR-MOD BRN WORK, I												
	58.56				59	ICR SD, 3-5% @ 2-5MM VLTS; FRX-ST BDY, LM OXD VLT ~ 1/5 MM, 1 OFTEN CONC IN 5-10 CM BANDS PY > CL > SL-HZ & OFTEN CRACK FILLING PY. SD - DUE TO ICR FRC?	30°N								58.56				
			3.0	55	60		40°N							T8900	1.31	1.52	0.36	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B5 Page 5 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Core Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	As PPT	Cd %
					60	DOLOMICRITE-AS PREV ONLY MEDIUM GRAY	45°N	45°S											
					61														
	61.56					61.44													
					62	SD VLT 2-10MM. OCC. TO 4CM/PATCHES & IN PLACES 5CM CLAST MATRIX < 10MM STRONG MIN/2 <1% SL > DY. & FAIR. HZ: WK IN PLACES/STRONG OXD.; MIDDLING 30CM SECTION WK SD VLTS; BELOW 62 LOOKS START OF B.P ONLY NOT ENOUGH SD FLOODING										61.56				
						62.75 — D/S WEAKER SD VLTS													
			3.0	100	63		30°N	45°S											
						SD ~2% VLTS 1-10MM & 2-4MM OFTEN. FAIR TO STRONG GL & SL; VLT IN PLACES OXD IN SL IN PLACES SD VLT ONLY SL & OFTEN SL AS CRACK FILLING; NEAR BTM 10MM VLT WITH STRONG GL IN CORE OF VLT										T8901	2.05	2.01	0.50	0.01
					64														
	64.56					D/S 64.40 DOLOSILTITE-DOLARENITE MEDGRAY IN PLACES PRIMARY BR; BR NARROW & WIDELY SPACED											64.56				
					65														
						65.80 UPPER CNT 45° / CM SD + SY VLT > D/S	35°N												
			3.0	100	66	66.15 — PATCHY SD SK PRODUCING - BP & WEAKER TOWARDS LC; BK-FAIR SL/GL & HZ			66.40										
						66.40-CNT-60° — BP ZONE - HIGHLY OXD - THREE BP 20-30CM SEP CLEATED BY 1/4CMM FRG - BC ROCK; UPPER & LOWER BK SILSTONE/FR; FAIR SD			TR	<0.5	+<SD	0	0	5%	C.					
					67	67.30 — 45°. WK GL STRONG HZ			67.30										
	67.56														67.56				
					68		45°												
						SD WEAKER ~2% 2-4MM CRACKS & VEINLET USUALLY FAIR-MOD MIN/2 WITH UP TO 10CM BANDS SPACED 0.3-2M - AV 1M APART WHERE ICR SD VLTS UP TO 2CM & GENERALLY FAIR-STRONG SX. SL>GL; SL ONLY VLTS & CRACKS COMMON														
			3.0	100	69		40S		3	F <SD	1	<SD	0	0	1	F <	?	C.	T8903	0.80	0.73	0.17	0.01
					70														
	70.56														70.56				
					71														
					72		30°N	55°S											
			3.10	100		72.40 — D/S STRONGER MIN/2 IN SD VLTS			72.40										T8904	1.08	0.95	0.21	0.01
					73	SD VLTS 2-10MM. BEST MIN/2 4-8MM SPACED 3-20CM APART; SD 3-5%; SD VLT GENERALLY CONC. IN 20CM BANDS	25°N		5	F <SD.	2	<SD	0	0	<0.3	<SD.	?	C.					
	73.66					GL - FAIR TO HEAVY DES IN 8MM SD VLT; SL>GL, MINOR BY SOME SD VLT HEAVY GL													73.66				
					74		15°N												
					75														
															T8905	3.18	3.82	0.82	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B5 Page 6 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sect.	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					75	DOLOSILTITE													
						75.78 — BC - 5% SD SX AD 2-4MM SLOFTON AS CRACK FILLING & SYCL	30°N												
					76	76.27 — NEAR BTM CUT HEAVY 5-15 MM BLEBBY CL — CUT TRN.			74.27										
						BR - UPPER 20 CM - CLASTS SHEY - FB W HEAVY BR MATRIX - SL - 30-40% D/S - CLASTS IZE UP TO 5CM & STILL BR MATRIX HEAVY SL - 15-25%			15	FD	3	FD	0	0	1	<SD	1	C.	
	76.66					76.70 — CL - 6 MM FAIR; WK BLEB SD < 3%; CLASTS BLE; U WK OXD.			+		+								
						5CM BR & BC W MOD YEL SD - U WK MN Z													
					77	BR - TOP 10CM MASSIVE SL & WK CL, D/S 15CM HEAVY IC SD. & BTM SECTION - UP TO 3CM CLASTS W IC SL STRONG CL													
						77.20 — OXD CNT - STRONG DS — D/S 77.20 OXD DOLOMICRITE			77.20										
						BR - STRONG OXD, MOD LI & HZ ~ 1-2% CL — LIGHT CREAM (OXD)													
						77.45 — BC - OXD WK LI & CL, FAIR HZ.													
					78	77.85 — BR - HEAVY CL - 25% WEAK LI & HZ -													
		2.80	100			78.0 — CNT - 45° X HIGHLY FRC - BC - ULT SD W SL/CL									T8906	7.72	5.25	1.53	0.01
						78.42 — 11CM BR - SL/CL INTERCLAST; SL 20% CL 5%													
						STRONG FRC CLY - W 2-2CM SX VLTS. SL/CL													
					79	78.84 — 4CM BR WK SD - SEH. MASSIVE SX SL/CL													
							40°	55°	2 < >	1 < >	0	0	< 0.3	TR	C.				
	79.55														-79.55				
					80	HIGHLY FRC GRADING IN & OUT OF BC. OVERALL WEAK SD ULT - MAINLY CRACK FILLING SX/SL HIGH CL FAIR IN AZ 10MM - UP TO 3CM VLT & MACRO VEINS SPACED 3-TO 40CM APART. IN PLACES FAIR OXD FAIR SL IN DRY CRACKS. SX - ASSOC. LOW - FAIR SD SX VLTS & MACRO VEINS CONCENTRATED IN BAND 5-20CM WIDE												
		3.90	100		81										T8907	3.37	2.77	1.53	0.01
					82		50°N												
							30°N	60°S											
						82.66 —			82.66										
					83	FAIR FRC, U WEAK SD ULT, ONE - 10MM. MOD MN Z SD ULT.													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B 5 — Page 7 of 25

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	
		AZIMUTH	SECTION

Drill log FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Au
83.45				83	DOLOMICRITE - LIGHT GRAY, LOOKS BLEACHED FAINT LM LM - 2CM DK GRAY BEDS													
				84	83.78 BR - SOMEWHAT GNEISSIC TEXTURE - 60° HEAVY SX; SLY GLAY TOP? BTM 15CM GL > SL 84.10			83.78 - 10	+	20	+	0	0	1	+	< 0.5	C.	83.45				OPT
		2.20	100	85	HIGHLY FRC - BC; SD OLY LOW SX IN 1MM ULTS TO 20CM BR BANDS MOST SX - IN 10-20CM MACROEINS USUALLY CONCENTRATED IN 10-20CM BANDS.			84.10									T8908	6.72	8.53	6.42	0.01
85.65				86	SLY GL NOTE TRN FROM BAND @ 10MM ULTS INTO BR ZONE CRACK FILLING COMMON; GRADES FROM STRONG SX CRACK MINOR SD TO BP & MASSIVE SX < 4CM													85.65				
		3.25	100	87				3	±	1	±	0	0	TR		0				T8909	4.56	5.94	4.06	< 0.01
				88																				
88.90				89	88.90 BTM CDT MIN/Z ZONE D/S 88.9 DOLOMICRITE - LIGHT GRAY WITH LM OF OLIVE GREEN MUDSTONE COMMON	60°?		88.90										88.90				
		3.0	100	90	WK FRC - CLU ON MUDSTONE LM?													T8910	0.11	0.62	0.31	< 0.01
				91	91.45 - D/S ICR FRC - ROCK MORE COMPETENT	75°? (CLU?)																	
91.90				92	D/S 91.45 - LIGHT GRAY SILICEOUS-CHERT LM - U THIN BEDS COMMON & INTERBD WITH DOLOMICRITE; BR?													91.90				
				93	91.80 - DK GRAY DOLARENITE GRADING INTO LIGHT GRAY OOLITIC DOLARENITE D/S 82.7																	
		3.0	100		CHERT - LIGHT GRAY, HIGHLY FRC													T8911	0.04	0.11	0.06	< 0.01
				94	93.75 D/S LIGHT GRAY DOLOMICRITE W WK < 1CM BED CHERT 94.15																	
94.90				95	ALTERED VOLCANIC; GREENISH GRAY COLOR; SUBDUED DARKER GREENISH MOTTLING - SPECKLING; WK PERVASIVE & RARE VEINLET QZ; RARE TALC ULTS; TALC MATRIX?; ~5-7% DISS LIGHT BRN MINERAL; OCC S BOUNDS DK BRN COPE - SL? WEAK < 1% DISS PY													94.90				
		3.0	80	97	WALLROCK - DIORITE?													T8912	0.02	0.01	0.04	0.02
97.90				98														97.90				
					98.3 STRONG ALT - ALT TO OLIVE BRN STRONG TALC IN PLACES DECOMPOSED 2 BTM 10CM TALC MUD																	
		3.0	80	99	99.06													T8913	0.01	0.02	0.04	0.04

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 9085 — Page 8 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag DPT	Cu %
					99	ALTERED VOLCANIC - AS PREVIOUS - APPEARS TO HAVE FAIR AMT OF PERVASIVE SILICA - ALTERATION)													
					100													
-	100.90				101									-100.90				
						101.45 - 5CM - FAULT - CLAST IN STICKY GOUGE												
					102	101.55 - D/S LOOSES MOTTLED - SPECKLED LOOK - BECOMES PALE BROWN COLOR (ICR BROWN SPECKLING) - IN PLACES TALC LY LOOK LIKE ALT CY + BEDDING?													
			3.0	95										T8914	0.01	0.01	0.03	0.02
					105	BROWN SPECKLING (GL??) 10-15%												
						UNDERE PK FRC - BLEBS LUTS < 5MM OCC PRESENT												
-	103.90				104									-103.90				
						103.3 - D/S ICR FRC												
						104.6 - 3CM QZ/SDULT W PY>CL>SL, SX = 20%												
					105													
			3.0	80										T8915	0.01	0.03	0.01	0.04
					106													
						106.50 -												
-	106.90				107	BANDS - LIGHT GRAY COLOR WITH PALE BROWN AROUND. FRC (SOP?) OR IS THIS HYD ALTERATION									-106.90				
					108													
			3.0	100										T8916	0.01	0.01	0.02	0.02
						D/S 108.15 - LIGHT GRAY BANDS - BDS. UP TO 3CM WITH NO BROWN SPECKLING												
						108.81 - & MED GRAIN. DOLOARENITE? - TALC ABSENT												
					109													
-	109.90				110									-109.90				
			1.15	10	111									T8917	0.04	0.13	0.06	0.03
-	111.05					111.1								111.05				
					112	BANDS - TO 30CM LIGHT GRAY MEDGRAINED DOLARENITE COMMON; OCC < 5CM. CHERT BED													
			2.95	60	113									T8918	0.18	0.12	0.04	0.01
						113.08 - LOST WATER - FAULT 20CM RECOVERED.												
-	114.00				114									-114.0				
						114.0 — 114.0 BTH CNT ALTERED VOLCANIC												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-5 Page 5 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	CD o/o
	114.00				114	HWCUT MIN/Z ZONE — DOLOMICRITE - MED LIGHT GRAY IN SOMEPLACES SILICEOUS.			114.0					114.00			OPT	
						STRONG CRACKLE FRC-BC ALONG CLD		55°(N)										
					112	WK (1-2%) SD ULT 1-BUN AV 2-3MM; RARE TO 2CM MACRO VEIN			1 F <	< 03 F <	0	0	< 0.1 <					
			3.0	95		WK SX & SD ULTS MOSTLY ALONG CRACKS & TR CL < 5MM AND RARELY UP TO 10MM.								T8919	2.09	0.91	0.30	< 0.01
					116	116.20 — SIMILAR TO ABOVE ONLY ICR MIN/Z HIGH V FRC-BC ALONG CLD		45°	116.2									
	117.00				117	V LOW SD (<0.5%); SX CRACKFILLING COMMONLY AROUND ULT, AS 3-10MM ULTS & IN 5-20CM BANDS WHERE SX IN MACRO VEINLETS AND IN BR; GANGE APPEARS TO BE QZ & U MINOR SD. SL & CL MINOR PY; IN PLACES SL-SEMI MASSIVE			3 C +	C +	0	0	< 0.3 <	=117.00				
						117.55 — WEAK CRACK SL MINOR CL			117.55									
					118	118.2 —												
			3.0	100		FAIR FRC, WEAK LONITE QZ & SD TO 10MM ULTS								T8920	0.60	0.61	0.19	< 0.01
						TR CRACK-STHM ULT SL												
					119	D/S 119 - ROCK WK LM - IN PLACES COARSER DOLM ALONG BD.												
	120.00				120	120.0 —	60°		120.0					=120.00				
						2-10CM BANDS = SX-BC STRONG SL												
						120.65 — FAIR FRC - SX (MAINLY SL) IN CRACK TO 10MM AV 3-5MM ULTS WIDELY SPACED BUT ULTS USUALLY CONC IN 5-10CM BANDS. ABOUND VEINLETS CRACK FILLING SL COMMON; V WK SD	55°		1 F <	< 0.1 F <	0	0	TR					
			2.94	100	121		60°							T8921	1.40	0.34	0.50	< 0.01
	122.94				122	123.0 —			123.0				<	122.94				
						BR - SHEETED SL ULT 55° TO BC IN 6 TO 8CM BANDS			20 <	03 <	0	0	03 <					
						12345; SL UP TO 2CM; SL 25°			12345									
						123.7 — WEAK CRACK SL			5 <	i <	0	0	TR					
			3.0	100	124	SL < CRACK, TO 10MM ULT & UP TO 3CM BR			124.0									
						124.0 — BR - TO 2CM CLASTS (60%) IN SL MATRIX; ~5-10% BLEBBY SD.			30 <	2 <	0	0	TR	T8922	8.0	0.54	0.34	< 0.01
						124.6 —			124.6									
					125	BANDS 4 TO 30CM WIDE; < 10CM BANDS BR W STRONG SL WK SD MATRIX AND WIDER BANDS SX; ULT SL GRADING INTO BR WITH SL MATRIX; BR & SX SL ULT ~50% ROCK. OVERALL WK SD ULT; BETWEEN BANDS FAIR CRACK SL			10 < +	< 0.5 < +	0	0	TR					
	125.94													125.94				
			1.02	100										T8923	4.32	0.29	0.17	< 0.01
	126.96				126	126.96 — UC 2CM SEMI MASSIVE SL GRADING INTO BP			126.96					126.96				
					127	BR - 40-50% PY & 10% BLEB SD,												
						127.14 — SHR? SHARP - 60° & — FW CUT MIN/Z ZONE												
						BR - CLAST SUPPORTED; TR SL & CL & AT 127.35 - 10MM SL > CL VN												
					128	128.0 —												
			2.64	100		HIGHLY FRC TO BC								T8924	0.78	0.56	0.23	< 0.01
						128.75 — D/S 128.75 DOLOMICRITE SEE PG 10 FOR DESCRIPTION												
					129													

CERTIFICATE OF ASSAYS

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B5 — Page 10 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ∅ BEDDING	CORE ANGLE ∅ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					129	DOLOMICRITE - MED GRAY COLOR, IN PLACES CUTEEP DARKER LM OCC THIN BEDS	45°											
	129.60													129.60				
					130	WK (<0.5%) YEL SD VLTS - UP TO 8mm IN 1-2mm RARE BLEB PY ASSOC W SD VLT	35°	70°										
			3.0	100	131			60°						T8925	0.14	0.12	0.05	0.01
					132		15°	50°										
	132.60													132.60				
					133		20°	50°										
			3.0	100	134		35°	60°						T8926	0.15	0.16	0.08	0.01
					135	BD DIP FLATTENING LOOKS DUE TO CLV	15°	45°										
	135.60					135.4 - 10CM BAND W <1MM SRVLTS W FAIR SL7GL								135.60				
					136		30°	70°										
			3.0	100	137		20°	55°						T8927	0.10	0.10	0.05	0.01
					138		20°	50°										
	138.60				139		15°	50°						138.60				
					140		20°	50°										
			3.0	95	141		30°							T8928	0.06	0.10	0.03	<0.01
	141.60				142									141.60				
					143		45°	55°										
			3.0	90	144		30°							T8929	0.07	0.12	0.03	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-5 Page 11 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lith log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag DPT.	Cu %
					144	DOLOMICRITE - AS PREV. FAINT LM												
	144.60													144.60				
					145													
						145.50 —	30°	50°										
			3.0	100	146	DARKER DOLOMICRITE & STRONG FRC CLU; ~2% SK. <5MM SD VLTS								T8930	020	0.10	0.06	<0.01
					147	146.73 —	40°	60°										
						21CM BAND - 50% SD QZV TO BCM.												
	147.60													147.60				
					148		30°	55°										
					149		15°											
			3.47	100										T8931	0.07	0.10	0.05	<0.01
					150	150.0 —	30°	50°										
						STRONG FRC CLU ~50° A WK WHITE SD VLTS < TO 5MM GENERALLY VLTS DISPLACED BY FRC CLU												
	151.07				151			50°										
						151.2 — TR BLEBBY PY IN SD								151.07				
					152	BC - V WEAK IC SD; RARE SD VLTS < 20MM MINOR CRACK SL > GL; WK CRACK SD. < 1MM.												
			3.0	100	153									T8932	032	0.16	007	<0.01
						153.32 — FAIRLY SHARP — D/O STRONG SD-VLT & IC												
	154.07				154	ALT IRREG BANDS OF SD VLTS 1-4MM CLU CONTROLLED & SOMEWHAT SK. GRADING INTO POORLY DEFINED BR & CLASTS IN								154.07				
					155	SD MATRIX; SD. 10-20% SX; VERY WEAK PERVLT/CRACK SL > GL												
						155.1 — WHITE & YEL SD, WHITE OFFSET BY YEL TRN												
			3.0	100	156	SD - CLU CONTROLLED VLTS TO 8MM AV. 2-4MM GRADING INTO WK SK & INTO NARROW < 5CM BR & SD MATRIX; SD. 10% AT TOP & DCR TO 2-4% AT BTM; MINOR VLT SL < 3MM & TRACES GL IN SD VLT			50°						T8933	0.11	005	0.03	001
	157.07				157	156.8 —								157.07				
						WK FRC CLU - NOTE DISTURBS BD; <1% SD VLT 1-3MM TR CL & GL		50°										
					158	157.8 — 60° & SHARP CNT EC - WK IC & BLEB (10MM SD) 158.3 —	35°? DISTORB CLU							T8934	0.18	0.07	0.03	<0.01
			3.0	100	159	WK < 2MM CRACK FILLING SD; IN WIDELY SPACED UP TO 20CM BANDS SD FORMS SK & WK BC-BR SD MATRIX MINOR CRACK & SD VLT SL, TRACES CL												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-5 — Page 12 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
					159	DOLOMICRITE												
						SEE DESCRIPTION B/S 1582											0.PT	
							25°?											
	160.07				160									160.07				
						160.4												
					161	BC - WITH ECH - 35° V POORLY DEFINED BANDS WITH UP TO 20% SD = IC & ULT (SK); WK - FAIR ~0.5% SL PIMMING SD & CRACK FILLING BORDERING SD												
			3.0	100										T8935	0.28	0.07	0.12	<0.01
					162													
						162.25	25°	45°										
						WK FRC CLU + UP TO 2% SD ULTS & BLEBS												
	163.07				163									163.07				
					164		25°	45°										
						164.20 IRN												
								55°										
			3.0	100										T8936	0.05	0.01	0.06	<0.01
					165			55°										
						FAIR - IN PLACES MOD-STRONG FRC CLU W HARROW SHR & BC-BR & 0 WK SK <4MM SD VETS ONLY PY PRESENT												
	166.07				165		20°	55°						166.07				
					166													
						MED CRACK		40°										
						167.45												
			3.0	85										T8937	0.04	0.03	165	0.05
					168	WK CALCITE ON FRC; <2CM SANDED AT BTM CNT - FAULT ZONE (WEAK?) ROCK AS ABOVE		45°										
						168.6 STRONG FRC CLU. ~35° - SUGGESTS FAULT AT 168.6m		35°										
	169.07				169									169.07				
						169.4 IRN												
					170	WEAK CLU WEAK (<0.2%) 1 TO 4MM FRACES SL & GL (BABE)	30°	50°										
			3.0	95										T8938	0.02	0.04	0.06	<0.01
					171													
							15°	65°										
							30°	65°										
	172.07				172									172.07				
					173													
			3.0	95										T8939	0.04	0.46	0.19	<0.01
					174	173.8 - HEAVY SL=GL IN ULT & BLEBS <10MM IN 5CM BAND	60°											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-5 — Page 13 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

DOLOMICRITE

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				174	--- 174.15 -- GL BLEB (<2mm) > SL IN SD VLT (1-3mm WIDTH) ALONG PARTING IN BD												
					1/ 0.05m UP TO 4mm SD VLT, OXD. STRONG TO WEAK LI; DISPLACEMENT (<10mm) ALONG FRC. CLV.	19°											
175.07				175													
					MOD. FRC. CLV. ~50° - SD VLT (TO 2mm). DISPLACEMENT <4mm ALONG CLV. PLANES		50°							175.07				
				176	--- 175.8 -- 1% PY IN DISCONTINUOUS VLTS (TO 3mm) AND BLEBS (TO 6mm)		65°										
					--- 176.27 -- TO 178.60m. PY >> GL (MINOR) IN SD VLT (6mm)												
		3.0	100	177		15°							T8940	0.01	0.08	0.06	0.01
							65°										
178.07				178	D/S ICR. FR.								178.07				
				179		25°											
		3.0	100										T8941	0.01	0.01	0.06	0.01
				180	--- 180.11 -- 10cm THICK SD, TALC (MINOR) VN WITH MINOR PY; BREC. OCCURS ALONG SIDE OF VN.		50°										
181.07				181									181.07				
				182	--- 181.60 -- HIGH FRC. CLV. WITH SD/LI VLTS (TO 1mm) ALONG FRC. SURFACES --- 181.97 -- 24cm CRACKLE BX. 2% SL>GL>PY IN SD VLTS (FROM 3 TO 15mm; MEDIAN 6mm. POSSIBLE FAULT ZONE?												
		3.0	100	183	D/S M. TO M. FR. INTENSITY WITH SQ VLTS 0.5 TO 5mm; MED. 1mm ALONG FR. PLANES; SOME LI ALTERATION ALONG VLTS.								T8942	0.08	0.49	0.13	0.01
184.07				184	--- 184.28 -- M. BR 12cm WIDTH; ANGULAR CLASTS 1-10mm, BF. SQ VLTS FROM 0.5 to 6mm; MED. 2mm								184.07				
				185	--- 184.90 -- QZ VLTS (2 TO 19mm; MED. 3mm) YC SQ VLTS (2 TO 4mm) NOTE: M. FR. INTENSITY												
		3.0	100	186									T8943	0.03	0.02	0.03	0.01
				187	--- 186.60 -- BR. <8cm BF. SQ AROUND ANGULAR CLASTS (1 to 25mm; MED 6mm); MINOR PY (<1%)												
187.07						35°							187.07				
				188	--- 187.65 -- D/S FR. INTENSITY DCR. SHARPLY --- 188.10 -- SQ VLTS (MED. 1.5mm) DISCONTINUOUS WITH T GL		67°										
		3.0	100	189	D/S PY BL (UP TO 5mm); 1/0.2-0.4m								T8944	0.01	0.03	0.04	0.01
						22°											

TECHNICAL REPORTS AND STUDIES

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-5 — Page 14 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Drill log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					192	DOLOMICRITE		CLEAVAGE										
	190.07				190	---190.2-- ROUNDED TO SUBANGULAR CLASTS; SOME ROTATED; WITH BLACK WISPY SILT FILLED VEINLETS; PRIMARY SOFT SED. PHENOMENA?									190.07				
		2.21	100		191	3% SQ VLTS (UP TO 4mm, MED. 1): 1/10-20 cm; ∠ 22° SOME WITH PY	20°								T8945	0.01	0.11	0.06	0.01
	192.28				192	---192.28-- BR. (70cm WIDTH) ANGULAR TO SUBROUNDED CLASTS (UP TO 2cm; MED. 0.5cm) BE SL/3% > GL > PY									192.28				
					193			15°										
		3.0	100		194	D/S ICR IN POKER CHIP FRACTURES; BR. ZONES 1/30-50cm; CLASTS ROUNDED TO SUBANGULAR WITH RR FILLING WISPY CLAYS.	17°								T8946	5.13	2.15	0.82	0.02
					195	SQ VLTS ALONG FR. (FROM 0.5mm TO 30mm; MED. 3mm) 1/5-10cm; PY BL (UP TO 15mm) 1/30-40cm													
	195.28				196									195.28				
		3.0	100		197	---196.6-- MINOR GL>PY ALONG SQ VLTS (UP TO 6mm; MED. 3mm)								T8947	0.04	0.19	0.09	0.01
					198			60°										
	198.28				199	POKER CHIP FR. AND RR CONTINUE								198.28				
		3.0	100		200	W TO T PY ALONG FR AND PD	35°							T8948	0.03	0.46	0.20	0.01
	201.28				201	---201.50-- SQ VN (6cm WIDTH) ∠ ~ 50°; SL > GL > PY IN FR								201.28				
		3.0	100		202	WISPY DARK CLAY ALONG FR.; FRACTURES OFTEN FORMING ALONG PARTINGS IN BD.	35°							T8949	0.31	0.39	0.15	0.01
					203		41°	40°										
					204	---203.75-- QS TALC VLTS (UP TO 3mm; MED 1mm) IN FR.												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-5 — Page 15 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE ⌀ BEDDING	CORE ANGLE ⌀ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
—	204.28		—	—	204	DOLOMICRITE L. GRAY	45°	45°						204.28	—	—	OPT.	—
					205	H. FR CV INTENSITY												
			3.0	100	206			60°						T8950	0.01	0.02	0.06	0.01
					207													
—	207.28		—	—										207.28	—	—	—	—
					208	207.56 BR (BDX.) WITH VARYING CLAST SIZES (FROM 1 TO 40mm) ANGULAR TO SUBANGULAR												
						SQ VLTS (FROM 1 TO 4 mm; MED 3mm) ALONG CR., LI, DXD. AT 1/15-20 cm												
			3.0	100	209			65°						T8951	0.01	0.02	0.05	0.02
					210													
—	210.28		—	—										210.28	—	—	—	—
					211			60°										
			3.0	100	212			60°						T8952	0.01	0.01	0.03	0.01
						212.10 TALC SQ FR FILLING												
					213													
—	213.28		—	—				60°						213.28	—	—	—	—
					214	213.70 H. CL X 60° D/S DCR CV												
								60°										
			3.0	90	215	215.00 SW (15cm WIDTH) VLTS (UP TO 10 mm), LI, W DXD.								T8953	0.01	0.03	0.03	0.01
						215.40 CHLORITES X C SQ VLTS												
					216	DOLOSILTITE/DOLOARENITE COUPLETS DARK GREY/L. GREY												
—	216.28		—	—		NOTE: TRANSITION - DCR CV	45							216.28	—	—	—	—
					217	PY BL (TO 6mm) 1/50-60 cm	45°											
			3.0	100	218		30°	45°						T8954	0.01	0.01	0.04	0.01
					219		35°	45°										
—	219.28		—	—										219.28	—	—	—	—

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-5 Page 16 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Drill log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS — DOLOSILTITE/DOLOARENITE	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
–	219.28	–	–	–	219			55°						219.28	–	–	OPT	–
					220													
			3.0	100	221		15°							T8955	<0.01	<0.01	0.02	<0.01
						W CL; SQ VLTS (FROM 1 TO 6mm; MED 1mm) 1/50-60cm; BARREN OF MINERALIZATION													
–	222.28	–	–	–	222									222.28	–	–	–	–
					223													
			3.0	95	224			60°						T8956	<0.01	0.01	0.02	<0.01
					225		10°											
–	225.28	–	–	–		M TO W CV AT ∠ 50°								225.28	–	–	–	–
					226		22°											
							15°											
			3.0	95	227	———226.76– 7cm WIDE BAND SL; GL (MINOR) SD VLTS (UP TO 3mm) ALONG								T8957	0.12	0.24	0.06	<0.01
						——227.28 \ CLEAVAGE ∠ 40° \ QS VLT (3mm) WITH SL												
					228	SQ VLT (FROM 1 TO 8mm; MED. 2mm) ALONG CV 1/10-20cm												
–	228.28	–	–	–										228.28	–	–	–	–
					229													
			3.0	95	230			55°						T8958	0.01	<0.01	0.02	<0.01
							10°											
					231		10°											
–	231.28	–	–	–		VERY THIN COUPLETS OF MUDSTONE AND DOLOSILTITE/DOLOARENITE BEDS; ALTERNATING BLACK AND LIGHT GREY IN COLOUR	15°	40°						231.28	–	–	–	–
					232													
						M. CV WITH DIS (UP TO 2cm) ALONG CV. PLANES;		45°							<0.01	<0.01		<0.01
			3.0	90	233	SQ PY VLTS AND SQ TALC VLTS (UP TO 6mm) 1/30cm		40°						T8959	0.01	0.01	0.01	0.01
								60°										
					234		15°											
–	234.28	–	–	–										234.28	–	–	–	–

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-5 Page 17 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Small log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oPt	Cu %
–	234.28		–	–	234									234.28	–	–	–	–
					235	F. CV & 50° to 60°	20°	60°										
							10°								<	<		<
			3.0	90	236	DOLOARENITE L. GRAY								T8960	0.01	0.01	0.02	0.01
						GRAIN SIZE 1mm												
					237													
–	237.28		–	–		DOLOARENITE/DOLOSILTITE								237.28	–	–	–	–
					238	AND MUDSTONE COUPLETS	20°											
						SEE 231 m									<			<
			3.0	95	239									T8961	0.01	0.01	0.01	0.01
								50°										
					240		20°											
–	240.28		–	–			25°	45°						240.28	–	–	–	–
					241													
							30°								<			<
			3.0	95	242		30°	45°						T8962	0.01	0.12	0.04	0.01
								50°										
					243		20°											
–	243.28		–	–										243.28	–	–	–	–
					244		20°											
															<			<
			3.0	100	245									T8963	0.01	0.01	0.02	0.01
						0 0 – 245.65 – INTERCLAST BEDS WITH UNDULATORY INTERBEDS OF MUD. POSSIBLY SLUMP DEPOSIT ?	15°	55°									
					246													
–	246.28		–	–		– 246.18 – VERY THIN BR. (ANGULAR CLASTS UP TO 6mm); BF PY; D/S PY Pb (UP TO 10mm) D/S								246.28	–	–	–	–
					247													
																		<
			3.0	90	248									T8964	0.01	0.02	0.07	0.01
						– 248.40 – DOLOARENITE												
					249	GRAIN SIZE 1mm												
–	249.28		–	–										249.28	–	–	–	–

CERTIFICATE NO. A 90 111 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-5 Page 18 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sect log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊖ BEDDING	CORE ANGLE ⊖ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/T	Cu %
	249	28			249	DOLOARENITE								249.28			OPT.	
					250	249.95 -- 55cm OF CONTORTED LAMELLAR INTRACLASTS WITH A DOLOSILTITE MATRIX; SOFT SED. DEF. DOLOSILTITE/DOLOARENITE	60°	60° PARTINGS										
		3.0	95		251	STRONG PARTING PARALLEL TO BEDDING WITH A CL. ∠ 35 TO 40° M. GREY	25°	35° PARTINGS						T8965	0.08	0.03	0.02	<0.01
	252	28			252	SQ VLNTS (1 TO 8mm; MED. 3mm) SOME OPEN SPACE TEXTURES; 1/20 TO 30cm	20°	40°						252.28				
					253		0°	43°										
		3.0	100		254		38°	60°						T8966	0.07	0.04	0.03	<0.01
	255	28			255	254.92 -- 5cm THICK CONTORTED LAMELLAR INTRACLASTS UNITS XC BD. POSSIBLE NEPTUNIAN DYKES?	40°	60°						255.28				
					256		40°											
		3.0	100		257	256.84 -- PERVASIVE XC WORM-LIKE BURROWS FILLED WITH DOLOMITIC SILT AND SAND, SOME WHITE AMORPHOUS SILICA INFILLING. BIOTURBATION?								T8967	0.26	0.25	0.10	<0.01
					258	257.55 -- SQ GL>PY VLT (UP TO 1.5cm), GL>PY												
	258	28			259									258.28				
		3.0	100		260	259.69 -- SQ VLT (1.5cm WIDE)		65°						T8968	0.08	0.40	0.14	<0.01
					261	260.70 -- SM. VLT (UP TO 2cm) SLIGHTLY BR, SQ TALC FY BF DOLOARENITE L. GREY												
	261	28			262	261.68 -- SQ GL>PY VLTS (UP TO 3mm) ALONG CV. ∠ 50 TO 60°		60°						261.28				
					263	262.40 -- XC WORM-LIKE BURROWS DCR ABRUPTLY		50°										
		3.0	100		264									T8969	0.04	0.36	0.26	<0.01
	264	28					20°							264.28				

CERTIFICATE NO. A9017719

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-5 — Page 19 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

SAMPLE	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
	264.28				264	DOLOARENITE L. GREY								264.28				
					265		30°											
			3.0	100	266	DOLOSILTITE/DOLOARENITE M. GREY	20°	50°						T8970	0.03	0.17	0.05	0.01
	267.28				267									267.28				
					268													
			3.72	80	269	---268.90-- D/S CV AND FR ICR WITH SQ PY VLT (UP TO 2mm) ALONG CV AND FR. YELLOW GREEN ALTERATION RIMS AROUND	20°							T8971	0.08	0.05	0.03	0.01
					270	EDGES OF FR & CV. (CLAY?)	20°											
	271.00				271	ROCK M. TO H. BLE ---270.63-- NEXT 70cm D/S SQ SL>>PY VLTS, SOME SLIGHTLY BRECCIATED (FROM 1 TO 15mm WIDTH; MED. 3mm), 3% VLTS ---271.31-- 60cm OF 2% VLTS, SQ PY>GL		60°							271.00				
			3.0	85	272	---271.90-- 58cm WIDE ZONE OF SHEAR. LENTICULAR FRAGMENTS OF COUNTY ROCK LIE PARALLEL TO ∠ 60°. SOME LI STAINING. ZONE ---272.46-- BLE YEL GREEN WITH CLAY? ALONG FRACTURES. SQ VLTS MINOR GL > PY (UP TO 2mm) ALONG FR.		60°						T8972	0.6	1.92	0.24	0.01
					273	SQ BL UP TO 6mm M. TO H. FR; STRONGLY BLE; LI STAINING, OXD?												
	274.00				274	---273.80-- GL (<1%) ALONG FR (UP TO 4mm) OVER 90cm								274.00				
					275	INTENSLY SILICIFIED, STRONGLY FRACTURED ZONE; QS VLTS (MINOR GL AND PY) ALONG FRACTURES												
			3.0	95		---275.40-- 34cm WIDE ZONE (30% BR, 30% GOUGE)								T8973	0.18	1.49	0.15	0.01
					276			30°										
						INTENSLY SILICIFIED AND FRACTURE												
	277.00				277									277.00				
						---277.27-- 30cm WIDE ZONE (60% BR, 40% GOUGE)												
					278													
			3.0	95		---278.59-- QS SW, VLTS UP TO 1.5cm		40°						T8974	0.11	0.21	0.06	0.01
					279			50°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	BLENDE PROPERTY	HOLE No. 90B-5	Page 20 of 20
ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					279													
						---279.33-- BR (20cm WIDE) 65% FRAGMENTS, 35% RF QS (MINOR PY AND SL)		45°										
	280.00				280	---279.74-- 1.46m ZONE <1% GL+SL (MINOR PY) IN FR FILLING QS VLTS (UP TO 5mm), LI STAINING OX D?		60°						280.00				
								70°										
					281													
					282	---281.85-- UNIT P1 - DARK SILICEOUS SILTSTONE	25°											
			4.89	85										I8975	0.21	0.10	0.09	0.01
					283		30°											
					284	BL PY (UP TO 3mm), 1/30cm	20°											
	284.84				285		20°							284.84				
							30°											
			1.86	100	286									I8976	0.07	0.13	0.05	0.01
	286.70				287	WORM-LIKE DISTURBATED TEXTURE		60°						286.70				
					288	---287.99-- 130cm ZONE (5% SL, <1% GL, MINOR PY) WITH SQ VLTS (FROM 1 TO 9mm) AT ± 60°		60°										
			2.62	100				60°	5	FR				I8977	2.11	0.48	0.14	0.01
					289				5	T								
	289.32					---289.25-- 110cm ZONE (<1% GL+SL), QS GL SL (MINOR PY) VLTS (FROM 1 TO 10mm WIDTH; MED. 4mm) & 60-50°								289.32				
					290													
					291	PY BL AND CR FILLING (<1%)												
			3.59	100										I8978	0.30	0.30	0.10	0.01
					292		20°											
							20°	40°										
	292.91					---292.91-- END OF THE HOLE								292.91				

092942

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-6 Page 1 of 21

ELEVATION 1730.28 m — DRILL CONTRACTOR E. CARON — CORE SIZE NQ — TOTAL DEPTH (m) 313.03

COORDINATES 19,921.56N; 10295.91E — LOGGED BY M.P. PHILLIPS

HOLE STARTED JUNE 19/90 — COMPLETED JUNE 24/90

SURVEY/DEPTH	COLLAR	122.53	187.8	313
DIP	-50°	-48	-47	-39
AZIMUTH	035°			

ZONE 2,5,6,7&9 — SECTION 10,300E

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK STONE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					0	CASING - 0-4m = 0.5m RECOVERY													
	4.0				4	4.0									4.0				
						CORE PART TO TOTALLY OXD — DOLARENITE - MED LIGHT GRAY FABRIC													
						WK SD VT < 1MM & OXD MINOR LI — LM: SUP ALT STRONG TO 5.64m. U. FINE GRAINED - ARENITE TO SILTITE													
		3.0	95		5														
						WK FRV; WK SD & LI	50°								T8979	0.13	0.31	0.10	0.01
					6	NEAR LC - 10MM STRONG LI (+SX) — 6.35 - 8.0 STRONG MED DK GRAY LM	50°												
						6.35 FAIRLY SHARP CNT — (CLAY)													
	7.0				7										7.0				
					8		55°												
		3.0	100			- 8.35 D/S SLIGHT ICR, SD UT TO 10MM									T8980	0.39	0.32	0.10	0.01
					9		35°	45°S											
						9.35 — UC MIN/Z ZONE			9.35										
	10.0				10	WIDESPACED 1MM-10MM AV 3-5MM OXD SD VT & LI, GL & HZ SPACED 5CM-50CM APART; OVERALL WK FRV;	45°	50°S							10.0				
									0	1	<SD	0	0	0	1	C <SD				
					11		35°	50°S											
		3.0	95												T8981	1.53	2.0	0.58	0.01
					12	11.85 — ICR. MIN/Z D/S			11.85										
						1-2CM SD+SX VT & 8-13CM BC-BR BAND & SD+SX STRONG GL IN VT & BC, HIGHLY OXD; VT & BC SPACED ~25CM APART														
	13.0								0	3	<SD	0	0	0	2?	C <SD				
					13	13.22 — 3CM CX - FAULT - MAIN BREAK - LC MIN/Z ZONE			13.22										
					14		30°	60°											
		3.0	100			WK-FAIR FRV; SD VT 1MM-10CM AV. 2-4MM; SD 1-2%									T8982	0.43	0.88	0.26	0.01
					15	SD UT - USUALLY WK TO STRONG LI & GL, BETTER SX IN 5-10MM VT, USUALLY STRONG OXD; SD SX & HZ — 20-30CM SPACING ZONE WK SD+SX	45°	45°S	TR	<0.5	<SD	0	0	0	<0.3	C <SD				
	16.0				16	TRN 16m - ICR DK GRAY LM IN PLACES	50°								16.0				
						WHOLE ROCK DK GRAY.	40°	60°											
					17														
		3.0	100												T8983	0.28	0.94	0.18	0.01
					18	TRN DCR 5-10MM SD VT			18.00										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 2 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Drill log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					18	18.00 — DOLAPENITE - AS DDH.													
	19.00				19	SD ~1%; VT & FR TO 10MM AV. 2-4MM OFTEN WITH WK - FAIR GL & PY TR SL									19.00				
			3.0	100	20	D/S 20.0 TRN - DK COLORED FAIR 0.5-1MM OOLITES IN FINE-MEDGRAINED MATRIX. 20.60 - SHARP CNT —									T8984	0.20	0.71	0.14	<0.01
					21	20.60 DOLARENITE AT TOP LIGHT GRAY TO DK GRAY <3MM MUDSTONE PARTING COMMON; D/S ~2IM NOT COMMON AND DOLARENITE DARKER TO TCP.	60°												
	22.00				22	WK <0.5% SD-VT FR & CASH UP TO 5MM AV 2-3MM TP-N.L LI & SX V WK FRV	45°								22.00				
			3.0	100	23	DEWATER TEXTURE; D/S 2IM TO 8MM MUDS LM POOR SHOW. SLUMPING & TRN UC.	50°	60°							T8985	0.02	0.04	0.02	<0.01
					24		40°												
	25.00				25	25.35 D/S - MUDS LM ABSENT; NARROW POORLY DEFINED LM & BDS LOOK U.E. INE/INTRA CLASTS FAINT LM; IN PLACES SILICIOUS-I	50°								25.00				
			3.0	100	26	26.50 — UC - 8CM BR - HEAVY GL FAIR HZ LC 75°; GL-40% FAIR FR-VT SD. <3% WITH WEAK LI & GL; & LEB <1CM QZ + GL; GL=<0.5% 26.90 —	50°	70°							T8986	0.40	1.34	0.31	<0.01
					27		35°	50°											
	28.00				28	WK FRV & SD; SD ~4%; VT MOSTLY FR & BABE / 5CM BR W BFSD; WEAK GL/SL IN SD & OCC IN CRACKS SX=<0.3%	50°	65°							28.00				
			3.0	100	29	29.0 — UC 4CM BR W SD/GL BF - 10% SL D/S WK-FAIR <3MM SD-VT & FR 29.51 — WITH PY COMMON. DK 29.25 - INTRACLASTS AS ABOVE ABSENT;	50°	50°							T8987	0.26	0.73	0.19	<0.01
					30		50°	50°											
	31.00				31	<1% SD; SD - FR & L / VT; UP TO 10MM 30.18 - 30.30 - 12CM TO 2MM CLASTS MINOR CRACKS SX; WIDE SPACED 1/1.5M 10MM SD + SX SX <0.3% INTRACLAST BED; DK COLORED CLTS SILICIOUS SL-GL? 31.30 — TOP 12CM OXD=H; BR W HEAVY GL; D/S BC WITH FAIR GL 31.62; GL-5% HZ-2%? SX=RF	35°	65°							31.00				
			3.0	100	32	V WK SD <0.2% WIDE SPACED 4MM VT MOST FR FILLING; SX-TR	40°	50°							T8988	0.84	1.72	0.44	<0.01
					33		30°												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-6 Page 3 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					33	DOLARENITE - FINE SAND < 1/4MM. AS PREV DKED LM - MORE CY.													
	34.00				34	SEE PREVIOUS	30°	50°							34.00				
			3.0	100	35		20°	60°							T8989	0.08	0.15	0.06	0.01
					36	36.0 - D/S SLIGHT ICR IN SD & MIN/Z	20°	55°											
						36.0 - 36.30 - SAND OOLITIC BED AV 1MM													
	37.00				37	SD ~ 2% SD IN FR & VT 1-6MM AV.		50°							37.00				
						AV. 2-3MM; 5% - LOD ASSOC W 2-3MM VT & FR. AND INCRACKS	D/S 36.65 DOLARENITE - MED GRAY TO 1MM OOLITIC IN. MED SIZE SAND. MINOR INTRACLASTS, OOLITES											
						PYCLZSL; SD - UNK SW. OFTEN SD VT INCR NCH 22													
			3.0	85	38	1 < 4MM QZVT OCC PRESENT FAIR OXD ON SD + CX	FINER & DCR AHT D/S								T8990	0.07	0.19	0.07	0.01
					39														
	40.00				40		15°?	60°							40.00				
					41	41.75 - D/S ICR SD & MIN/Z - SLIGHT ICR ON DECH ON FRV;													
			3.0	95		D/S GRADUAL ICR IN FR AND FR < 1MM SD									T8991	0.18	0.75	0.16	0.01
					42	ICR TO 10MM SD + QZVT; OXD GL + LI & HZ VT < 10MM ~1/20-30CM; MIN/Z OVERALL WEAK													
								65°											
	43.00				43	NEAR BTM CUT 6CM BAND SD W CLASTS & 3CM BLEB GL	D/S 44.0 DOLOSILTITE - MED LIGHT GRAY, FAINT LM, LM CONTORTED BY CLW - FAIR GENERALLY STRONG SILICIOUS - DOLOSILTSTONE?									43.00				
					44	43.9 CNT FAULT?		70°	43.9										
			3.0	75		STRONG POKERCHIP FRV - STRONG OXD.									T8992	0.48	1.48	0.31	0.01
					45	D/S. WK SD BUT BETTER MIN/Z	FRV 10°	65											
						SD ~ 1% FR TO < 10MM AV 4MM; BEST LT & X			0	1	< SD	0	0	1	< SD				
	46.00					INCRACK TO 10MM VT AT TOP LI STRONG IN UT & DCR. DCR D/S ~ 46.5M									F					
					46	CRACKS & VT STRONGER MIN/Z THAN NORMAL & DENSITY 1/10CM CV + LT = 10%	15°?	65°							46.00				
					47	46.85 D/S MIN/Z SD UT DCR LC - OXD	10°	55°	46.85										
						SD ~ 1% FR & VT ~ 1MM.	D/S 47.35 - DCR SILICOUS (SILTSTONE) OCC < 1CM SILICIOUS BANDS LM												
			3.0	95	48		DARK & LIGHT COLOR - MORE CM, GRADED SHARP LC & TRN UC.	40°	70°						T8993	0.25	1.29	0.29	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 4 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
					48	DOLOSILTITE - AS ABOVE													
						AT 48.87 - 3CM BR @ 50° CL	10°	70°										OPT	
	49.00				49			60°											
						49.28													
					50	49.85 STRONG FRV - 40% 2% SD		55°											<
			3.0	100		WK FRV SD 5-10% MOST AS FRC < 5MM										T8994	0.12	0.32	0.09	0.01
						< 3-5 MM SD + SXLE @ 1/1.5-2M													
					51	RARE DK GRAY AZVT @ SILICIOUS ENVELOPE - ~5MM		50°											
	52.00				52	AT 52.75 - 10CM BAND - 2 < 2CM VN WITH SD & HEAVY GL, WK HZ; 10% CL SHOWS VN II FRV & SET II TO BD		50°								T8995	0.46	2.79	0.61	0.01
			3.0	100	53		CONTORT 10 CLV	50°											<
					54	D/S 54 - ICR FR @ WK CY - FAIR FRV		55°											
	55.00				55	55.42	30°												
						SEMI SW - VT - IN PART BC, 10MM; DK GRAY SILICA MINOR SD; FAIR CL; BW/LEACHED SX; BTM 9CM - SH; 10% CL & HZ												
						55.67 LGM MOD 60° FAULT? HIGHLY FRC @ CM ON FR PLANES													
					56			50°											
			3.0	100		55.90 D/S FAIR - MOD FRV USUALLY ALONG SHALY BD; V MINOR SD										T8996	0.93	2.66	0.66	0.01
					57	D/S 55.90 - DOLARENITE LIGHT GRAY WK LM @ TO 4MM GREENISH MUDSTONE LM; ROCK FINE GRAINED;		35°												
						D/S 57.6 FRV & WEAKENS & DCR OXD ON FRC		50°											
	58.00				58		FRV? 45°												
					59		FRV? 60°												
			3.0	100		D/S 59.65 - SHRD UC 65° OOLITIC DOLARENITE - MED GRAY OOLITES TO 1MM IN A FINE - U GRN FINE GRAINED MATRIX; MINOR INTERCLASTS DK GRAY CHERT TOWARDS BTM CNT;										T8997	0.63	1.20	0.30	0.01
						59.65 D/S SLGHT ICR SD MAINLY FR & SX													
					60	SHATTER FRC - FAIR; 1% SD AT TOP													
	61.00					ICR TOWARDS BTM CNT; SD < 1 FR - 10CM BLEBS SX & LI - < 3MM VT FR & CRACKFILLING													
					61	WEAK MIN/Z													
						61.55 / 61.70 STRONG FRV - SH ICR TO LC 3CM - 50° @ 2 AT LC		D/S 61.55 - DOLOSILTITE - MED GRAY 65°											
			3.0	70	62	HIGHLY FR - LARGE CORE LOSS; FAULT AT UC										T8998	0.76	2.34	0.56	0.01
					63	63.2													

CERTIFICATE NO. A8101263

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 5 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

SHEAR OR	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE ⌀ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					63	63.2 — DOLOSILTITE - AS PREV. TO 1CM BD DK GRAY MOD S		70°											
	64.00				64	FAIR FRV, WEAK SD FR VT <5MM RARE SX & GRAY SILICA RATHER THAN SD. MINOR SX - CL 2SL <0.2% FILM CY (OXD) ON FR. SD <0.5% & DCB D/S 6cm	D/S 63.2 FRV - LOOKS II BD:- DIPS NORTH RATHER THAN TO NORMALLY SOUTH-DIPPING FRV	45°?	45°(N?)						64.00				
		3.0	75		65											T8999	0.20	0.60	0.15	0.01
					66			55° N(?)												
	67.00				67	D/S 67.25 - 5CM BAND W DOLITIC BD	FRV 40°									67.00				
		1.73	95		68			65° N(?)								T9000	0.24	0.54	0.15	0.01
	68.73															68.73				
						68.73 - 75° CNT - DC MIN Z ZONE			68.73											
					69	BR AT CNTS - MIDDLING BC - WK SD < BLEBBY GRAY SILICA WK GL IN BR; OXD; GL = 1-2% WK HZ														
						69.0 60° — BC - CLASTS SIZE ICR D/S; BF - U WK SD, LOOKS MOSTLY, DK GRAY ST - MYLONITE?; WK BF CL 7 SL YHZ			< 0.5 F +	< 0.5 F +	0	0	< 0.5 F D	TR					
						69.4 — CLST - SD BR - TO 2cm CLASTS IN A <2MM CLAST MATRIX; CLASTS DK GRAY-BLACK ST.; DK GRAY ST. MATRIX AT LC - 2CM ST FLOODING, WK SD (<1%) WK SX SLY CLY PY 1%												
						LC - SHARP 70° - 69.7			69.70											
		3.0	70			70% MX U FINE CL 1 30% SD			0	SD MX	0	0	0	0						
					70	70.0 — BC - 35 IN PLACES NARROW <3CM BR - FINE; OXD - STRONG PY CL AT TOP FAIR - MOD CL BTM 6CM; CL = 5%			70.0							T9001	6.01	15.5	1.73	0.04
						70.24 —			0	5 < SD	0	0	3	+						
						70.40 SW - VT SD 5-7% IN 3-25MM AV 3-5M VT WITH HEAVY FINE GRAINED CL, LI & WK HZ GL - 8%	D/S 70.0 OXD - SL & PY LEACHED		70.24 0	8 < SD	0	0	0	1?	C					
									70.60											
					71	WK SD VT - ONE 6CM BAND WITH 3-10MM GL VT			0	< 0.5 < SD	0	0	0	1	C					
	71.73															71.73				
						71.62 — SW GL SD VT ~1 4CM UP 3-15M			71.62 0	12 SW	0	0	0	1	C					
						71.85 — BLEB GL AT VT JCT UP TO 2CM; CL 12% STRONG SW FR; U WK SD <1%			71.85	<										
					72	72.25 —														
						WK < 5MM AV 1-2 MM SD FP & VLT; FAIR FP & VT GL IN SD AT TOP & BTM OF SECTION; NOTE SL FLOODING AROUND. SD VT AT BTM; SL TO HZ & PY TO LI; CL 1%			0	1 < SD F	0	0	0	1?	C					
		3.0	75													T9002	2.54	8.37	3.66	0.01
					73	73.00 — D/S ICR SD 1 MIN Z			73.00											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 6 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cd %
					73	DOLOSILTITE - FINE GRAINED DOLARENITE - AS PREV.													
						SD 5-7% VT, WK FRSW; GL IN FR) TO 5MM AV 2-3MM VT & BLEBS AT JCT FR SW. ABOUT MIDDLE 7CM VM @ SD& 15-25% GL			0	8	<SD SE	0	0	0	1	C.						
					74	SV OONC IN 15CM BANDS; GL - 3%															
						74.25 — CNT 45° UC - TO 7CM SD + HEAVY GL (50%) VM - POSSIBLE BR?			74.28	—	<	—	—	—	—	—	—					
	74	73	—	—	—	DR SW - BC GL VT & BLEBS (BF) AV 3-8 MM. QZ+SD IN SV; SD LOW; AT LC - 15CM FINE BR.			0	10	> BOT	0	0	0	2	C		74.73	—	—	—	—
					75	74.98 — — — HEAVY BLEB - BF AT TOP & DCR. DR TO LIC.			74.98	—	—	—	—	—	—	—	—				
						BC - INTENSE CRACKLED PO V - BF; IN A FEW PLACES LOOKS BR; HIGHLY OXD; SD LOOKS LOW; STRONG LI AT TOP; FR - BF; GL - 20%; CLAST SIZE INCR TO LC; WEAK BLEBS BF ST;			0	2	FT	0	0	0	< 0.5	C.						
			3.0	95	76	76.00 — — TEN LC MINIZONE		D/S 76.0 - UP TO 4CM BD MODS D/S 76.0 OXD DCR.	76.00	—	—	—	—	—	—	—	T9003	3.21	7.64	2.77	0.01
						SW FR STRONG AT TOP & DCR FR; SD <2% SI ON FR & ENVELOPES (IRREG) COMMON; WEAK FR GL & LI															
						76.60 GL < 2															
					77	FR CUTAVED UP ALONG MODS LM; 77.05 — — — — — MOD CRACK FR DCR TO LC; WK SD FR VT		D/S 77.05 MED GRAY IN PART IN PARTS OOLITIC. FINE GRAINED DOLARENITE NOTE ROCK HARD & ICR FR STARTS AT UC IN PART CHERTY - NEAR U/C												
	77	73	—	—	—	77.72 V WK FR GL & LI											T9004				
					78	FINE FR; WK SD FR & VT < 1MM; GL YSD + LI VT & FR TO 10MM. N 1/10-20CM															
						78.12 — SX ON TWO FRV SETS			78.12												
			3.0	95	79	STRONG - 10MM GL VT ASSOC W SD; GL - 10% 79.12 — GLVT DCR TO 5MM AT LC			0 79.12	10	SV F	0	0	0	1	C?	T9004	0.44	4.80	1.31	< 0.01
					80	SD - < 1-2% (LOW) IN BARREN FR & ASSOC @ SD/QZ + SX OFTEN AS SV; SX IN FRV (S DIP) 1MM - 15MM	60°	65°	< 0.5	1	S <	0	0	TR	C					
	80	73	—	—	—	AV 3-5MM OFTEN SEMI-MX; SV CONC IN 10-15CM BANDS; GL YDY YSL (WK) GL - 1%											80.73	—	—	—	—
					81	SV - FOLLOW PROMINENT FRV; SV OXD SL LEACHED?		70°													
						81.85 — STRONG BF GLY PY, NIL SL, SL LEACHED; NOTE HALF CORE SX ABSENT; GL = 25% BR			81.85 0	25	MX	0	0	0	?						
			3.0	100	82	82.0 — 60 WE SD + GL VT			82.0	—	—	—	—	—	—	—	T9005	1.61	7.32	3.01	0.01
						82.36 — 1CM BR - MX GL - 15% GL; AT LC - 3CM. VT FOLLOWS WK FRV SET D/S ICR. MINIZ SD.			1	< SD F	4	< SD F	0	0	< F	1	C				
					83	STRONG CRACK FR @ SX + SD VT ON S DIP. FRV; SD 2-4% FR & VT; SX IN VT - 4MM TO 30MM VN, VT CONC IN 8-15CM BANDS & IN PLACES FORMS WK NARROW BC. 4% GL; 1-2% SL 1% PY.; SL IN PART OXD															

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 7 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					83	DOLARENITE - DOLOSILTITE - AS PREV. U FINE GRAINED, U HARD FOR D$ - MAY BE SI													
	83.73					as PREV									83.73				
					84	D/S 83.5 TRN TO LIGHT GRAY COLOR													
						PAT — —													
						BR - ANG CLASTS TO 8CM IN SX MATRIX; SX: 60% - STRONG SLATY LC			84.10 10 +	90 +	0	0	1 +						
		3.0	100		85	85.0 — — 60 CDT $$ FRV 5CM < 10MM AV < 3MM WITH WK SD + Q2 GL > MY SL			85.0						T9006	149	9.01	4.16	0.01
					86	85.9 - 4CM VM MX; SL > GL; WHITE MINERAL - 5% GY? - BA? + SX = 50% BC	55°	60°	< 03 < F	1 < F	0	0	< 03 < F	TR					
	86.73					D/S 85.9 - FRV DCR TO WK AS BD NOW SEEN													
					87	MIN 2 VT DENSITY DCR NOTE SX UT - OFTEN HIGH IN SI GL > SL ICR LC	60°	70°							86.73				
						87.16 - 87.65 MED DK GRAY COLOR CLASTS PRODUCE MOTTLED LOOK - INTRACLAST													
						87.52 — — →			87.52										
					88	FOUR BANDS 6CM - 20CM WIDE 5 - 25MM SV WHERE 2 SETS FRV INTERSECT AND WK MIN 2 IN BR;		60°											
		3.0	100			NOTICEABLE ICR SL; Q2 > SD IN VT; BF			2 SV	5 SV	0	0	1 <		T9007	2.22	5.92	1.87	< 0.01
						88.65? GL > SL > PY			88.65										
					89	89.3 — WK < 1MM Q2 > SD VT; MINOR PY > CL		60°											
						88.3 - 89.15 - SIMILAR TO ABOVE; BD: CONT BY FRV NO CLASTS? SEEN			10 VN	5 VN <	0	0	1 VN < F						
	89.73					5 - 30 mm SV IN SD > Q2; VN IN TWO FRV SETS			89.51						89.73				
					90	89.91 — QL DCE D/S; GOOD ALL SL > CL 10% SL, 5% CL	50°	60°		F			F						
						90.25 - 12CM BR - MX SX GL > SL; 60% SX			2 +	1 +	0	0	< 03 F						< 0.01
		1.91	100			BANDS < 4CM WK BC ~ 20% SECTION; FAIR SL > CL; SL 2% GL 0.5 - 1%			F	F									
					91	90.8 — — WK < 1MM FR IN SI + MINOR SL > GL	FRV? 45°		90.8						T9008	2.65	3.64	1.88	0.01
						91.40 - TRN — —													
	91.64					V WK BC; U LOW SD; SL BE & SL ONLY. SL - 10%; SX - CRACKLE FILLING													< 0.01
					92	D/S 89.15 DOLARENITE MED LIGHT GRAY TO MED GRAY; LM VF - FINE GRAINED			2 + F	TR + F	0	0	0		91.64				
		1.36	100			91.65 - LC MIN 2 SECTION TRACES FR SI									T9009	1.10	2.08	0.55	0.01
	93.00					92.56 SBDC CRACKLE - BC WITH 3% SL; SI FLOOD									93.00				
					93	92.80 — — FAIR — — —			92.80										
						D/S 91.44 - INTRACLAST UC NEAR LC - PARTING; BLACK MUDS; LC AT 94.53; CLU 11 BD													
					94	V WK SD < 0.5% Q2 > SD VT; PY - BLEB (ex CLASTS) 2 FR, TRACES SL ASSOC Q2 FR & GL IN SD VT.													< 0.01
		3.0	100			D/S 94.33 DOLOSILTITE, MED	60°	70°							T9010	0.21	0.55	0.15	
					95	GRAY, STRONG LM & OCC BK MUDS PARTING; ROCK MOD SI;	60°												
						CLU FOLLOWS BD													
	96.00				96	D/S 96.45 - TO 96.93 MED GRAY	50°	11 BD 50°							96.00				
						96.25 — FAINT MOTTLED, FINE GRAINED OOLITIC DOLOARENITE													
					97	3 - 5% SD FR - 15MM VT; AV 2MM MOSTLY IN CASH FR - 2 FRV SETS AND OCC VT; WEAK SL & PY													< 0.01
		3.0	100			D/S 96.93 - DOLOSILTITE - MED GRAY &FEW < 5CM INTERCLAST IN PLACES SI BANDS									T9011	0.37	0.40	0.11	
					98	98.2													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 — Page 5 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH / COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Angle of Core	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	FE	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					98	SB: 2 — SD DOP. <1% CY RICH UNIT;												OPT	
	99.00				99	99.35 — D/S ICR SD VT - HAEDGE BD		D/S 99.35 DOLARENITE - MED GRAY TO DARK GRAY, MASSIVE. HABIT: NOTE ICR VT IN THIS UNIT; MINOR OOLITIC								99.00				
		3.0	100		100	10-15% SD: 1-20MM AV. 2-5MM, CRACK FR, 7 BLEBS 7 VT; 2 IN PLACES 1BREC TO 7CM. BC W SD AS BF;										T9012	0.23	0.17	0.06	0.01
					101	VT & FR SD SOMEWHAT SW AS. SD IN. 2 SET FBC & AT JCT FRV - SD BECOMES														
	102.00				102	BLEBBY OR BE; WEAK SL, TRACES GL SD > QZ > SI VT & BLEBS										102.00				
						102.45 —		D/S 102.45 - MED GRAY DOLOSILTITE U FINEGRAINED DOLARENITE — FINE LM; OFTEN PARTING < 0.5MM MODS - CW OFTEN ON BD		60°											
		3.0	100		103	LOWSD (2%) - FR > VT UP TO 8MM AV 1-2 TR SX SL > GL										T9013	0.08	0.05	0.03	0.01
					104		10° N	55° S												
	105.00				105		11 FRV	50°								105.00				
					106	105.85 —	20° N	60° N	105.85											
		3.0	100			SD FR TO 20CM VM; SX SL > GL IN SD > QZ ± QZ ± SD UP TO 12MM AV 10MM		106.32 - 106.77 — OOLITIC DOLARENITE OOLITES 2 MM DK COLORED IN LIGHT GRAY MATRIX -			2 < SD < QZ	TR			TR		T9014	0.87	0.36	0.13	0.01
					107	106.93 SL-E-2%				30° ⊥ BD?	106.93									
						V WK SD (<0.5%) FR 1-2MM. NIL SX		D/S 106.77 - MODS PARTING WEAKER TRANSPOSED ON FRV;												
	109.00				108			40° S YC BD								108.00				
					109			60° N ⊥ BD.												
		3.0	100			109.15 — P/S < 4MM QZ SL > GL VFS SD SLIGHT - CR -	10°	60° S	109.15							T9015	0.46	0.43	0.14	0.01
					110	WIDE SPACED 5-30CM < 9MM QZ > SD VT W FAIR - STRONG SL > GL. WIDE SPACED TO 4CM. SD > QZ VN W FAIR	50°	D/S 110.35 - MED DK GRAY MATTLED FINE - MEDGRAINED DOLARENITE LIGHT GRAY - MOTTLING - ALGAL	< Q3 < SD	< Q2 < SD	< 0.1	< SD < QZ	0	0	< 0.3	B				
						110.40 SL, WK. FR SL. NOTE SL BEST QZ VT, BLEBS < 4MM PY			110.40 F											
	111.00				111		20°	65° S	LIGHT GRAY. BLEBS TO 4MM. ⊥ CRUDE BD & ⊥ ALGAL ?. WK BD - MASSIVE							111.00				
						NOTE ICR SD 2-8%: FR OUT < 2MM; 1 DRAW 1 COMM		SIMILAR TO MASSIVE DK ROCK SEEN ABOVE. D/C DARK GRAY PANK												
					112	BC W SD TO 15% AS BF ONE 2CM VN SD > QZ W FAIR SL	15°	55° S DK MEDGRAY U FINE DOLARENITE												
		3.0	100													T9016	0.08	0.08	0.05	0.01
					113		50°?	TRANSPOSED BD												
						D/S 113.15 - SEE NEXT PAGE														

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 9 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sample Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					113	113.15													
						D/S 113.5 DOLARENITE - MED LIGHT GRAY. U FINE-FINE GRAINED: LM - 2cm (VTHIN BD) DK GRAY MUDS OFTEN TRANSPOSED BY CLV												
	119.00				114	STRONG FRV-MOVEMENT ON MUDS BEDS		65°								119.00				
					115	114.85-55° FAULT														
			3.0	100		HIGHLY FRAT UC FOR 10CM <2% SD MAINLY WK SW FP. WK VT TO 8MM AV. <4MM WK SL > LT > CL	D/S 114.85 CHANGE BY TYPE - DKER COLOR DOLARENITE - MED GRAY. UFINE-FINE GRAINED. AT TOP MY - FAINT LM & D/S 116.5 - FAINT LM - BLACK & D/S 118.3M - LM UD TO OCC 2cm MUDS BD PRESENT & USUALLY SHOW TRANSPOSED BD	45°						T9017	0.91	0.26	0.11	<0.01
					116	116.45		60°												
	117.00				117	V WK SD. VT < 3MM. OCC 30CM BAND WITH FAIR FR-WEAK SW SD. MINOR PY	30°N	65°S								117.00				
			3.0	100	118		25°N	55°S							T9018	0.23	0.13	0.07	<0.01
					119	AT 119.70 - 4MM SL + SD VT		60°												
	120.00				120	119.90 WK SW SD-VT, BI FRS TO 3CM IN TWO FRV SETS; SD-OXD NIL OGL. NIL HZ		75°	T 119.90							120.00				
						120.55			0	1	<SD	0	0	<0.1	<SD	TR	C					
					121	D/S WK SD - 1-2% FR 1-2MM > VT > VNK 3CM. TO 125.40	119.7 - 121.15 - AS ABOVE OCC	65°	120.55											
			3.0	100		121.48 - 10cm WK G > IN 10MM VT.	TO 3CM OOLITIC BD & MUDS LM & VTHIN BD ABSENT, NOTE TRANSPOSED BD								T9019	0.68	0.61	0.19	<0.01
					122															
	123.00				123		D/S 121.15 - AS D/S 110.35 - DOLARENITE MED DK GRAY FINE-MED SAND. MOTTLED LOOK (LIGHT GRAY D&Y BIOTURBATED? ACCAL. U WK BD D/S BANDS FINER GRAINED WK BD. & SECTIONS MED BD	40°??								123.00				
					124			45° (N?												
			3.0	100		124.27 3-<10cm SQVT WK SL	D/S 124.44 - LIGHT - MED LIGHT GRAY U FINE GRAINED DOLARENITE - FAINT LM OCC <0.5MM PARTING MUDS BD OFTEN TRANSPOSED								T9020	0.05	0.04	0.03	<0.01
					125	124.60														
						125.40 TRN		BD TRANSPO												
	126.00				126	V WK (<0.5%) SD VT SER <4MM, TR PY. NSD 1SV (<1MM)	D/S 126.45 ROCK - MUDS LM - U THIN BD ABSENT, ROCK LIGHT GRAY	60°							126.00				
					127			TP 65°												
			3.0	100											T9021	0.03	0.01	<0.01	<0.01
					128			45° 60°S												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-6 Page 10 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol. Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					128	DOLAPENITE - ASPREV.													
						RARE < 1CM POLITIC BD													
	129.00				129	AS PREVIOUS	35°									129.00			
			3.0	100	130	D/S 130 45 - WK < 1MM LIGHT COLORED MUDS, USUALLY TR ALONG F1 FRV OXD CONDITIONS. F1 - FAIR - MOD STRONG YC CORE / F1 FLATTENS	50°	50°S							T9022	0.10	0.01	0.01	<0.01
					131	130.9 — D/S DCR SD	20°	45°S											
	132.00				132	SD 2-15% AV 2-5% VT 1-15MM AV 3-5MM MAINLY ALONG F1. WK FR F2 SD OCC SD VT IS WK SL R. FAIR ON WIDER VN > 2CM MINOR FR SL AROUND SD VT.	45°N	55°S							132.00				
			3.0	100	133		30°	45°S							T9023	0.16	0.03	0.01	<0.01
					134		35°	55°S											
	135.00				135		35°	35°S							135.00				
					136		35°	40°S											
			3.0	100											T9024	0.01	0.01	0.01	<0.01
					137	137.0 — DCR SD D/S TRN	35°	45°S											
	138.00				138	< 1% SD VT - 1-5MM AV 2-3MM ONLY PY SEEN	20°?	50°S							138.00				
					139		20°?	45°S											
			3.0	100											T9025	0.04	0.03	0.02	<0.01
					140	141.3 - ± 142 - DARKER DOLOMEBITE WITH TAN MUDS LM COMMON	35°	45°											
	141.00				141	D/S 142 - DOLAPENITE AS ABOVE ISLIGHTLY DARKER COLORED (MEDIUM LIGHT GRAY) AND FINER (TO U FINE) GRAINED. TAN LM (MUDS) MORE COMMON	25°	50°							141.00				
			3.0	100	142	CORE MORE BROKEN - SUPCM ON F1	30°	55°							T9026	<0.01	0.01	0.02	<0.01
					143		30°?	55°											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 11 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Issued log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Au %
					143	AS PREVIOUS — DOLARENITE - LEPTEROUS IN PLACES DARKBROWN BD - DOLOMICRITE												
						143.5 TRN - SLIGHT ICR IN SDVT												
	144.00				144	SD 2-3% IN 1-5MM VT ON F1	TP 10°	60°						144.00				
						MINOR FR (F2?) < 2MM SD. VTR FR FAIR STRONG OXD												
					145	SL MINOR, MOST OXD? TR GL MINOR PY, SY < 0.1%	TP 10°	55°S										
		3.0	100											T9027	0.12	0.08	0.05	< 0.01
					146		45°	55°S										
	147.00				147		0° (TP)	60°S						147.00				
					148	147.8 FAULT ZONE?? WEAK - LC - OXD & NOT AS BROKEN 148.0		40°S										< 0.01
		3.0	100											T9028	0.02	0.02	0.01	
					149	148.0 - 199.0 - < 3CM BD < 1CM. OOLITIC IN FINE GRAINED MED SAND. POSSIBLE OOLITES ASSOC W/ INTRACLASTS (F1') VV WK SD (< 0.3%) 1-3MM MINOR PY, TR SL > GL	~ 10°	50°(N)									
	150.00				150	INTERLAM < 1MM MUDS	20°	60° N?						150.00				
						M/S 149.0 DOLARENITE AS PREV DIS 126.45' FINE SAND, LM FAINT LIGHT GRAY COLOR. WK CO 5MM TAN LM (MUDS) X CUT CORE AT WEAKER											
		3.0	100		151		~ 20°	60°S						T9029	0.03	0.03	0.04	< 0.01
						GRAINSIZE - IN PLACES MED SAND												
					152		~ 0°	50°S?										
	153.00				153		~ 10°	65°S						153.00				
					154		~ 15°	55°S										
		3.0	90											T9030	0.01	0.01	0.01	< 0.01
					155		~ 10	40°S										
	156.00				156		15°	55°S						156.00				
					157		15°	55°S										
		3.0	75											T9031	0.01	0.01	0.02	< 0.01
					158		15°	65°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 12 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Incl log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					158	DOLARENITE - AS PREVIOUS TO PARA.													
						AS PREVIOUS — TAN LM = OCC MODS - MOSTLY DOLO-MICRITE -													
=	159.00	-	-	-	159		15°	60°							159.00	-	-	-	-
					160														
			3.0	95		T/N D/S 160 - FT EBV - SLIGHTLY STRONGER MODE X CUT CORE - F1 CORE IGR BROKEN - VERY LOW SUP CY ON F1 & FR; AT 164 LC - FAIR X CUT CORE F1	15°	60°							T9032	0.07	0.02	0.02	0.01
					161		20°	45°S											
-	162.00	-	-	-	162		20°	40°S							162.00	-	-	-	-
					163	AT 162.2 m WK FAULT?	20°	50°S											
			3.0	100											T9033	0.12	0.04	0.03	0.01
					164		10°	40°S											
							20°	65°S											
-	165.00	-	-	-	165	D/S 164.3 TAN LM MODE PRONOUNCED - DOLOMICRITE INTERLM D FINE SAND DOLO-ARENITE & V FINE SAND TAN MODS LM ABSENT	05°	60°S							165.00	-	-	-	-
					166		05	50°S											
			3.0	95											T9034	0.01	0.02	0.02	0.01
					167		20°	50°S											
-	168.00	-	-	-	168		05°	50°S							168.00	-	-	-	-
					169		15°	60°S											
			3.0	100											T9035	0.01	0.01	0.01	0.01
					170		30°	55°S											
-	171.00	-	-	-	171		15°	55°S							171.00	-	-	-	-
					172		10°	60°S											
			3.0	100											T9036	0.01	0.02	0.01	0.01
					173		10°	50°S											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-6 Page 12 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	CD o/o
					173	DOLARENITE AS PREV													
						AS PREVIOUS												DPT	
	174.00				174		25°	45°S							174.00				
					175											↙			↙
			3.0	100											T9037	0.01	0.07	0.05	0.01
					176	F1 45° S; F2 15°; SOL	20°	45°S											
	177.00				177	± 187m - FRV - ORIENTATION	20°	40°S							177.00				
					178		10°	55°								↙			↙
			3.0	100											T9038	0.01	0.03	0.03	0.01
					179		10°	45°											
	180.00				180	V FINE SAND - SIZE	10°	65°S							180.00				
					181	D/S 181 - BD ON SOME F1 FRS DRAGGED	10°	55°S								↙			↙
			3.0	95											T9039	0.01	0.07	0.03	0.01
					182		15°	65°S											
	183.00				183		20°	55°S							183.00				
					184	D/S 184 TRN TO HIGHLY BROKEN; CY FILM ON F1 FR. COMMON, RARE LT	15°	50°S								↙			↙
			3.0	75											T9040	0.01	0.10	0.02	0.01
					185	185.1 UC - 1													
						FAULT ZONE - 60° X UC CLASTS TO 2CM IN ≤ 2.3MM CLAY - FLOUR MATRIX - CLAST SIZE INCR D/S R NEAR LC. GRADES INTO BC - FAULT POST MIN/Z												
	186.00				186	186.0									186.00				
						HIGHLY FR. D/S 186.80 - F2 DEVELOPED (SEE SKETCH)													
					187	186.80 - TRN FAIR TO MOD - AS STRONG AS F1 IN MOST PLACES + SUP ACT ALONG CLAY RESULTS IN MOD. BROKEN CORE; OTHER CRACK FR AS WELL AS F1 & F2; TAN. LM NOT AS PROMINENT	30°	40°								↙			↙
			3.0	75		SD VT & FP - TR TO NIL									T9041	0.01	0.10	0.03	0.01
					188														

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 13 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Small log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					188	DOLARENITE - AS PREV.												
						AS PREVIOUS — V FINE SAND SIZE - LIGHT GRAY.	25°	40°S										
—	189.00	—	—	—	189	DOLARENITE ⓦ FAIR-STRONG								189.00	—	—	—	—
						TAN DOLOMICRITE LM - RARE MUDS.												
						OFTEN BROKEN F2 > F1 ;	-	45°S										
					190													
			3.0	75		190.5												
						190.7 HIGHLY BROKEN - STRONG FR ZONE								T9042	0.03	0.08	0.02	0.01
					191		25°	30° F2 65°S F1										
—	192.00	—	—	—	192		15°	25°S F2 55°S F1						192.00	—	—	—	—
					193		40°	30S F2 45°S F1										
			3.0	80										T9043	0.01	0.24	0.08	0.01
					194	194.0 - 194.5 - STRONG F2 > F1	15°	15°S F2 55S F1										
						ⓦ SH & BR WEAK												
—	195.00	—	—	—	195		15°	V 35° F2 50S F1						195.00	—	—	—	—
					196	D/S 196 - F1 & F2 FRV INTENSITY		V 30°S F2 50S F1										
			3.0	75		DCR ; SLIGHT DCR IN TAN LM. / FRV - TO WEAK								T9044	0.01	0.02	0.01	0.01
					197		25°	V. 25S F2 50S F1										
—	198.00	—	—	—	198		16°	35S F2 = 60S F1						198.00	—	—	—	—
					199	D/S 198.6 TAN LM TO LIGHT GRAY	25°	V 30° F2 60° F1										
			3.0	95										T9045	0.01	0.04	0.02	0.01
					200	199.82 MAJOR CHANGE ROCK TYPE												
						D/S DOLARENITE - DARK BROWNISH GRAY	15°	60°N F1										
						V FINE SAND GRAIN; COLOR - CARBON -												
						VV WK SD VT 1-3MM												
						SD ≤ 0.25% ACEOUS SPECKS; SLIGHT SI. OCC												
—	201.00	—	—	—	201	TO 10MM BLACK MUDS LM-THIN BEDS	10°	65°S F1						201.00	—	—	—	—
						OCC. TO 1CM BLEB PY DUPED												
					202		0°	60°S F1										
			3.0	95										T9046	0.01	0.01	0.03	0.01
					203		16°	55°S F1										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80-B-6 Page 14 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					203	DOLARENITE - AS PREV.												
	204.00				204	D/S 204.2 ALTERNATING LIGHTER & DARKER MICRARENITITE BANDS ALONG BD FINE WISPS DISTURBED MUDS - WAVE ACTION IN GRAY CARBONATE	10°	55°S F1						204.00				
			3.0	100	205	205.10 - INTERBED & INTERLM WITH DARK GRAY MUDS & MUDDY DOLOMICRITE	10°	65°						T9047	<0.01	0.02	0.01	<0.01
					206	<0.5% SD FP, TT - AV 2MM	20°	25° F2 55°S F1										
						NOTE DISPLACEMENT ON F1 UP TO 1CM D/S .25' TCP FBV												
	207.00				207	207.0 -								207.00				
						207.66 - 10CM SD VN & D/S 5CM BRN SDBF												
					208	TCP TO FAIR FBV - F1 & V WK F2', ~2% SD FR & VT	D/S 207.1 INTERLM & BD. (<2MM) FINE SAND IN PLACES OOLITIC DOLARENITE MED LIGHT GRAY	60°										
			3.0	100		TO 10MM AV 1MM, MINOR XLPY IN VT & FP	AND LIGHTER COLORED V FINE SAND - SILT DOLARENITE - DOLOSILTITE, RARE <3MM	35°	60°S F2					T9048	0.01	0.03	0.03	<0.01
					209		GREEN CHERT ? LM.	45°	55°S F1									
	210.00				210				65°S F1					210.00				
					211	211.0 -	211.0 - 214 - CORE MOD IN PLACES HIGHLY BROKEN; SUP ALT ALONG WK CLY & FRY FILM CY	15°	55°S F1									
			3.0	100										T9049	0.01	0.01	0.01	<0.01
					212	SD VT & FP - TRACE	D/S 211.0 - FINE SAND DOLARENITE LM & V THIN BD DCP & LM TAIL MUDS BECOME COMMON;	30°	80°S F1									
	213.00				213	SLIGHT TCP SD VT & FP D/S 213.80 WK LI & PY	213.65 - 216.0 FINE SAND DOLARENITE LM & THIN BEDS DOMINENT; DOSI LM OFTEN BROKEN - TURBATED?	15°	60°S F1						213.00				
					214	214.0 -	RARE <1CM OOLITES IN WHITE SI	10°	75°S F1									
			3.0	100		WK (<0.5%) SD VT < 6MM AV 2-3MM OCC W LI & PY								T9050	0.01	0.02	0.01	<0.01
					215	- 215.3 -		15°	60°S F1									
	216.00				216	RARE <1-2MM SD VT <2MM	D/S 216 - ROCK LOSES STRONG LM APPEARANCE AND BECOMES WK LM V FINE SAND DOLARENITE; FAIR F1 OFTEN W SUP CM FILM. GIVES BROKEN CORE	25°	20°S F2 ∧ 70°S F1						216.00				
					217			40°??	65°S F1									
			3.0	100										T9051	<0.01	0.03	0.01	<0.01
					218			65°??	70°									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 15 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					218	DOLARENITE - AS PREV. FAINT LM												
						TOWARDS LC: VF SAND;												
—	219.00				219		30°	55°S F1						219.00	—	—	—	—
					220	220.5 — 222.05 - CHERT - V LIGHT	30°	70°S F1										
			3.0	100		GRAY-WHITE; 2.5% <2CM. BD DOLARENITE								T9052	<0.01	0.01	<0.01	<0.01
					221													
								75°S F1										
—	222.00				222	222.05		38°S F2 60°S F1						222.00	—	—	—	—
						<0.5% V WK/SD PRE; VT <1MM AV 1MM OCC <3MM Q&QSVT W DGS. CP & PY & HEAVY DISS SV IN QZ VT ENVELOPE. MINOR CP-PY ASSOC. W SVQ VT	D/S 222.05 - ALTERED VOLCANIC (SEEN IN PREVIOUS DD HOLES: LIGHT BROWN (SUD MT) PALE GREENISH BROWN WHEN FRESH & WEAK MOTTLED WITH ~1% V FINE PY & TR CP. ROCK DOLARENITE: 5% SUP ROCK OXD TO CY. TALC & CY ON FRV & FR; WK <1-2MM PALE GREEN TALC ASH FILLING		65°S? F1								
			3.0	100	223									T9053	<0.01	<0.01	0.01	0.04
					224			55°S ?? F1										
						223.14 - 223.28 - TWO - 2CM BD CLASTS ALT ROCK IN MED SAND DOLARENITE - INTRACLAST		70°S? F1										
—	225.00				225									225.00	—	—	—	—
						223.28 - 223.60 - CHERT - LM AS ABOVE		70°										
					226			60°										
			3.0	100		226.20 — STRONG FRV & MOD TALC-CY ON FRV - FAULT?								T9054	<0.01	<0.01	0.01	0.04
						-226.75 — STRONGEST ALT? - CORE ALTERATION												
					227			70°										
						WK SD & SQ PAREQS VT TO 15MM AV 1-3MM. CP (PARE COATING CC) ASSOC W RIM OF QZ VT. TALC FR. FRV & PARE BD. TO 15MM.	ALT ROCK - 95% SUP ALT PY TO LI: PALE BROWN TO 226.20 D/S DK BWN & D/S 226.75 - DK GREENISH BROWN WITH LIGHT BROWN BANDS - AT 230 BACK INTO LIGHT BROWN AS AT TOP										
—	228.00				228			60°						228.00	—	—	—	—
					229			60°										
			3.0	100										T9055	<0.01	<0.01	0.01	0.02
						229.82 - D/S - CHANGE ROCK TYPE = TALC ABSENT												
					230			60°										
						LIGHT BROWN AT TOP BECOMING DARKER D/S 232M WITH STRONG TO 2CM SD-QZ CBAM BANDS TO 232.7 WHEN ROCK BECOMES MED BROWN AND MATRIX ROCK LOOKS TALCOSE AND WK <1-2MM DK GREEN TALC FR. OCC SEE DISS PY MOSTLY CY SPECKS (PY TO LI TO CY), WK SD QZ VT - CP ASSOC QZ											
—	231.00				231			55°						231.00	—	—	—	—
					232			55°										
			3.0	100										T9056	<0.01	<0.01	0.01	0.01
					233			65°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-6 Page 16 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					233	ALTERED VOLCANIC												
	234.00				234	233.8 - D/S COLOR CHANGE - ALTERATION? ALT BAND. LIGHT BRWN (SUP ALT) & MED GREENISH GRAY MINOR		65°						234.00				
					235	DISS PY & UWK SQ & QZ VT WITH MINOR CP. TACC - CV OIL FR V-FAIR		55°										
			3.0	100										T9057	0.01	0.01	0.01	0.02
					236	D/S 236 - BRWN BANDS (SUP) DCR. ROCK BECOMES MED GREENISH GRAY IN ≤1MM GREENISH SPECKLING		55°										
	237.00				237	OCC WK DISS PY & PY-CP AS CRACK FILLING; SPECKLING LOOKS LIKE DK ALT MINERAL ~ HB?? OCC W PY IN A BEIGE DOLM MATRIX -		60°						237.00				
					238	MED SAND SIZE; OCC ≤1MM TALC FR.		60°										
			3.0	100										T9058	0.01	0.01	0.02	0.01
					239			60°										
	240.00				240			65°						240.00				
					241			70°										
			3.0	100	242			70°						T9059	0.01	0.01	0.01	0.01
	243.00				243			60°						243.00				
					244	244.20 HIGHLY SH ALTERED ROCK ~60° 244.40		MAIN BREAK NO.5 ZONE										
			3.0	100	245	244.80 BR - LENTICULAR CLASTS ~65° & 2CM IN FINE BR - FOLIE MATRIX								T9060	0.04	0.49	0.08	0.01
						BR - TIGHT PACKED LENTICULAR TO 2CM CLASTS OF COUNTRY ROCK, OFTEN IN A BLACK HIGHLY SILIC. MYLONITE		NO.5 ZONE										
	246.00				246	246.15 LOOKING BRECCIA MATRIX - MINOR DIS GL ~65°								246.00				
					247			DOLOSILTITE MED LIGHT GRAY										
			3.0	100		247.4 RC-BR - 1% SL TO CL CRACK FILLING		INTENSE CRACKLE FR. OCC NARROW BC; 5-8% BLEB CRACK & FLOODING (ANQUIID FR) WHITE SD.						T9061	0.58	0.35	0.09	0.01
					248	247.8												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-6 — Page 7 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH: COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE: BEDDING	CORE ANGLE: STRUCTURE / CLEAVAGE	SULPHIDES % / MODE: SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS: Zn %	Pb %	Ag OPT	Cu %
					248	DOLOSILTITE - AS PREVIOUS												
						SD UP TO 2CM BLEB; D/S 246.13 INTENSE FR, NARROW BC & DK BP, SD FLOODED - BLEBS, CRACKS VT.													
--	249.00				249									249.00				
			3.37	100	250	-- 250.35 - 12CM BAND TO 8MM IRREGULAR PY. VT'S.								T9062	0.28	0.41	0.13	0.01
					251	-- 251.16 1CM CARBONACEOUS GOUGE												
						-- 251.65 LC - NO 5 ZONE FR, BC & BR ZONE SD 10-15°C & DCP TOWARDS LC		70°?										
--	252.37				252	-- 252.2 -- UC - MIN 7 WK-FAIR SD 2-3% 2CM-10MM AV 1-2M SL-SD VT; FR, MINOR CL; SL>0.5% 252.80 --	10°	70°?						252.37				
					253	BC - TO 3CM CLASTS IN SL-SD BF 253.25 5% BLEB, FR VT SD, MINOR GL; 20% SL	10°	60°	252.9 20 + 253.25	05	<SD 0	0	<0.5 BF					
			3.0	100		WK FR > SD VT ID 3MM SD 253.80 --			253.80					T9063	2.56	0.71	0.35	<0.01
					254	1-4CM SD VT TO 10MM WITH MOD-STRONG SL WK CL; SL=10% 254.60 -- DC - 5CM BR W SL BF & D/S		D/S 254.6 - DOLOSILTITE - MED LIGHT GRAY, OCC. DKER LM; AT TOP <4CM BEDS FINE SAND	1 <SD F	TR	0	0	TR					
								50° F2 65° F1	254.60									
--	255.37				255	1-6CM SL - STRONG FR & SD VT 255.37 -- TO 10 CM - 1% SL	45°	50° S F1						255.37				
						255.82 50% 4-7CM BR W HEAVY SL BF - MINOR CL SL; 10% SL												
			1.63	100	256	256.1 -- WK FR SL UC 35/CM 30-40° W EB TO 20MM SD WITH STRONG SL > PY > CL			256.1 S + F	1	+ F		2 <SD	T9064	4.26	1.80	0.65	0.01
--	257.00				257	256.95 -- D/S 15 & 20CM BC-BR W SL BF; 5% SL NOTE - SL - FR F1 & F2 & LC SL MIN ZONE			256.95					257.00				
						257.4 30% TO 2CM BLEBS & VT QZ > SD. BC-BP WHERE THESE ARE WELL DEVELOPED												
					258		0°?	70°										
			3.0	100		WK SD (1-2%) FR > VT 1-10MM AV. 2-3MM - PY ONLY U WK FR, SV/<1MM & ASSOC SD VT		D/S ±257 DOLOMICRITE - SDOLOSILTITE; MED DK GRAY U WK LM & CONTORTED LM U FINE DOLOARENITE - MOD RICH ROCK						T9065	0.08	0.06	0.04	0.01
					259			70°										
--	260.00				260		10°	65° S						260.00				
						D/S 260 - LIGHT GRAY U FINE SAND DOLARENITE OCC 12CM INTER BEDS AND INTER LM												
					261	~50% ROCK; WISPY & HIGHLY CONTORTED - TORRATED?		65°										
			3.0	100		MOD FINE FRY PROMOTED BY MUDDY LM								T9066	0.04	0.04	0.02	0.01
					262			60°										
						262.10 --												
--	263.00				263	SEE NEXT PAGE		45°						263.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 18 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
	263.00				263	AS PREVIOUS												
						D/S 263 OF TO 264.1 ROCK LOSES LIGHT GRAY LM TO MED GRAY, V WK LM DOLARENITE - DOLOSILTITE								263.00			OPT	
					264	2% FP - 10MM/COMMON SD VT	40°	15°S F1 70°S F2										
			3.0	100		MINOR FR SL & RIMMING 1 & 10 MM SD VT								T9067	0.01	0.02	0.02	<0.01
					265	10MM SD VT DCRD D/S 265m		45°?										
						D/S 264.1 - DOLARENITE - FINE SAND MED GRAY, MED THICK BEDDED <20CM LIGHT GRAY MED SAND RED NEAR LC												
	266.00				266			60°						266.00				
					267			50°										
			3.0	100		267.2 20CM BAND TO 3CM SD VN - 50°/2CM AT LC - BLACK COUGE - FAULT								T9068	0.45	0.17	0.16	0.01
					268	3-5% SD FR <1-10MM AV. SM FAIR PY>SL>CL IN 5-10MM SD												
						D/S 267.4 DOLARENITE - MED GRAY COLOR WITH WK - STRONG DEV. THIN LM. DARK GRAY - BLACK MUDDY DOLOSILTITE	10°	65°S										
						IN NARROW BANDS AT TOP & BTM ~0.5/6SL MINOR CL - 1% DY.												
	269.00				269	268.64 WK FR SL								269.00				
						OCC 10 & 20CM BD STRONG OOLITIC - FINE SAND SIZE	30°	25°S F2 60°S F1										
						VR SL - 1%, OCC 25MM SD @ PY>SL												
						269.38 UC MINIZ ZONE			269.38									
					270	BR - UC 20CM 10% BLEB SD, ~40% PLATY 4CM CLASTS, 50% OF 6X BF - PY>SL>CL D/S - 2.5 CM FRP & LC 20CM BR @ BF SX + SD - SL>>CL>PY			10 F ±	1	E ±	0	0	3	E ±				
			3.0	100		270.0			270.0					T9069	3.17	2.14	1.87	0.01
						AT UC - 30 CM PAND & FEW WK - FAIR UP TO 8MM SD VT @ PY=SL>CL												
					271	271.0	20°	65°S	0.2 <SD F	0.1 <SD E	0	0	1	E <SD				
						WEAK PY>SL>CL ASSOC @ FRA BLEB & VT TO 25MM ~5-10%												
						271.4			271.4									
	272.00				272	BR - STRONG AT U2 LC, CLASTS AV 1CM, 20% BLEB & BF SD 271.69 10%-20% BF2FE PY>>SL2WK CL	10°	60°S	10 F 271.68	2 ±	0	0	10 F					
						271.92 TO 3MM SV - PY>>SL>>CL ASS 3-15MM SD VT LC MINIZ ZONE								272.00				
					273	V WK SD FR <1-2MM	20°	50°										
			3.0	100		D/S 273 TRN GRADUALLY BECOMES LIGHTER COLOR AS MUDDY / BLACK - DARK GRAY								T9070	0.62	0.34	0.34	0.01
					274	BOLOSILTITE LM DEP. & TO 1M BANDS LIGHT GRAY V FINE SAND DOLARENITE PRESENT	30°	20°S F2 45°S F1										
						274.40 DC MINIE ZONE			274.40									
	275.00				275	2 - 12CM FRA BR - WEAK @ 10-15° OF SX & MOD MIN/2 TO 15MM SD VT & BLEB ~ 10CM SPACING: PY>SL>>CL	25°	55°S	2 ± <SD F	0.5 <SD E	0	0	3 ±	275.00				
						275.13			275.13									
						SX IN 1 - 5MM SD VT SPACED 5 TO 25 CM APART ~ 1/10CM @ TCR D/S SL>PY>CL AT TOP & D/S VT PY>>SL>CL												
					276	276.15	20°	60°S										
			3.0	100		BR - STRONG AT TOP - OVERALL WK - FAIR SX BF 2' TOWARDS LC. CLASTS IRREG @ 50% SX IN BR AT LC, SL>PY>CL BR JCT F1 & F2?			276.15 2 ± F	0.5 <SD	E ±			1	E ±				
					277	276.86	30°	65°S	276.85					T9071	2.42	2.05	1.32	<0.01
						277.28 NEAR LC - STRONG SX IN 5-15CM SD VT. UC - 50CM - COARSE <3CM CLASTS: 20% FRS X PY>>SL>CL			0.5 <SD	0.2 <SD	+	0	0	3	+ <SD				
	278.00				278	D/S BR BANDS 5-10CM WIDE WITH WEAK-MOD BF SX & SX IN 5MM SD VT ZONE PY>>CL>CL								278.00				
						278.45			278.45									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 15 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
	278.00				278	SEE PREVIOUS AS PREVIOUS								278.00			OPT	
						278.45 — FAIR-MOD SX IN 5-8MM SDVT (F1 & OCC F2 PY>>CL-SL ; VT 10-20CM SPACING	20°	70°S										
		3.0	100		279	SOME VT SHOW GOOD EXAMPLE F1 & F2 XCT AT BTM-20CM BR W	± 278 – 282.9 DOLARENITE - MED LIGHT GRAY, FINE-MED SAND SIZE; BANDS WITH IRREG DK GRAY LM & OCC. NARROW SECTION								T9072	0.40	0.37	0.26	<0.01
					280	280.2 < STRONG QZ & PY		70°	60°S										
						UWK < 1-2MM SDVT	BLACK LM (MUD) TOWARDS LC BECOME DK GRAY												
	281.00				281	280.95 — F1 & F2 (BD) 4-8MM QZ>SDVT WITH WK-STRONG (< 3MM) VT: SOME VT PY>>SL>THER SL>PY>CL		45°	65°S						281.00				
						281.55 — NOTE ICR QZ IN SDVT													
					282				60°S										
		3.0	100			BR BANDS - 2-6CM WIDE AV 5CM, WITH WK SD ± MOD PY>CL>SL;	D/S 282.9 DOLOSILTITE - MED GRAY, COARSE SILT SIZE, NON LM-THICK BEDDED								T9073	0.86	1.20	1.20	<0.01
						1 WK F2 & BD (F2) < 5MM VT ALSO HEAVY PY>>MINOR CL-SL BD;			15° F2 (?) 70°S F1										
					283	283.27 —													
	284.00				284	UC - 2-3CM BR OVER 10CM & D/S FAIR 2-6MM SDVT & FR WITH PY>>SL>CL VT ~ 1/10CM			70°S						284.00				
					285			10°	55°S										
		3.0	100			D/S 285.5 - ICR (1/5CM) TO 2CM									T9074	0.69	1.62	1.91	<0.01
					286	BR & VT WITH STRONG SX IN PLACES < 5MM SW PY>>CL>SL OCC VT W SL> PY>CL; VT-WK SD POSS BLY QZ>SD; AN < 4MM	D/S 286 - MED GRAY U FINE DOLARENITE GRADING INTO		55°										
	287.00				287	VT & SX WEAKEN TOWARDS LC	A MED LIGHT GRAY FINE SAND DOLARENITE @ WK DARKER LM.	20°	65°						287.00				
						287.73 — BR - 2-4 & 6CM CLASTS; REMAINDER LARGE ELONGATE & MINOR FINE < 1CM BR CLASTS; 25-30% TO	D/S 288.85 AT CNT 2CM OOLITE												
		3.0	100		288	288.07 — 30MM SD BLEBS 10-15% SX \ PY>>CL, MINOR SL	MED SAND SIZE & D/S ROCK DARKER MED DK GRAY, V FINE SAND DOLARENITE -		70°						T9075	0.28	0.85	0.33	<0.01
					289	UWK SD VT - RARE W SX 288.29 - D/S 20CM BAND; VT < 5MM WITH FAIR SL?			60°										
	290.00				290		D/S 289.5 TRN LIGHTER COLOR	35°							290.00				
						290.10 — POORLY DEFINED < 6CM BANDS - BR W STRONG BE SD	MED LIGHT GRAY, FINE, MED SAND DOLARENITE - UWK DEVELOPED												
					291	SEPARATED BY FR - BC. WK PY - MINOR SL & CL	DK LM; & < 30CM WIDE SPACED MED GRAY COLOBE BANDS	10°	65°S										
		3.0	100			290.2 —	IN PLACES GRADES TO FINE SAND SIZE								T9076	0.21	0.17	0.08	<0.01
					292	V WK < 0.25% SD FR: 1/2M TO 10MM BR & SDVT @ FAIR PY, MINOR CL		10°	60°S										
	293.00				293										293.00				

CERTIFICATE NO. A 9001172

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-6 Page 20 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Au %
	293.00				293	DOLABEANITE - AS PREVIOUS								293.00				
			3.0	100	294		10°	50°						T9077	0.04	0.06	0.08	0.01
					295		10°	60°S										
	296.00				296	SEE PREVIOUS PAGE	20°	60°S						296.00				
			3.0	95	297		20°	65°S						T9078	0.05	0.08	0.07	0.01
					298		20°	65°										
	299.00				299	299.0 — — — D/S ICP SDVT 2SX	0°	60°S						299.00				
			3.0	95	300	2-12MM SDVT 2-10MM AV. 5MM SPACED 5-25CM AV 1/20CM APART FAIR GENERALLY STRONG SX PY 5L 7GL	0°	50°S						T9079	0.19	0.53	0.37	0.01
					301		20°	65°S										
	302.00				302	301.55 — — — D/S ICP SD2.5X — D/S 301.55 - ROCK LOOK BLE - WK CY ON FRV TO 308±M	15°	65°S						302.00				
			3.0	95	303	SX - 1/10CM AS SV 2-4MM WITH LOW SD TO SDVT 4-20MM AV 10MM WITH FAIR RIM MIN 2% PY 2SL 2GL, GL 1SL - LOW		30°S F2 50°S F1						T9080	0.29	0.73	0.53	0.01
					304	304.15 — BR - FLATTENED CLASTS TO 3CM ~60% 20% TO 20MM BLEB SD 2 10% BLUE BF SD	10°	65°S										
	305.00				305	304.25 — 16% SX - 9% PY 2% SL 2GL — 9S U/S 304.15	0°	65°						305.00				
			3.0	100	306	305.75 BR - 50% SX - PY, MINOR CL 2SL — SX(PY) VT W SD 1/10CM		70°S						T9081	0.16	0.51	0.33	0.01
					307	306.95 — WIDE SPACED SX VT 1/0.5 - 1M UP TO 4M	0°	55°										
	308.00				308	308.0 —	05°	60°						308.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 308-6 Page 21 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
	308.00				308	DOLARENITE - AS PREV.								308.00			OPT	
					309	308.75 — SD - 5% FR TO 1-10MM VT NIL SX	308.2 - 308.7 DOLARENITE - FINE SAND MED GRAY, UC TBN, LM MT DKER.	15°	65°									
			3.0	100	310	309.75 — UC 12CM BP @ STRONG SD BF D/S 40CM SW SD - 1-10MM @ AT LC SD VT ICR - TR - NIL SX	309.7 - 310.85 - DOLARENITE - MED LIGHT GRAY, & MOTTLED RED DK GRAY, M, D FINE - FINE SAND								T9082	0.11	0.16	0.13	0.01
	311.00				311	35° 2cm SD VN -			45°					311.00				
			2.03	100	312	V WK SD VT TO 3MM TR GL 2 SL	D/S 310.85 - UC 2cm SD UN: DOLOSILTITE - MED GRAY TO MED DK GRAY STRONG F1 CLV AT UC & DCR D/S		35°						T9083	0.05	0.09	0.07	0.01
									20° F2 60° F1									
	313.03				313	313.03 END OF HOLE								313.03				

092942

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-7 Page 1 of 21

ELEVATION 1750.57m | DRILL CONTRACTOR E. CABON | CORE SIZE NQ | TOTAL DEPTH (m) 299.62

COORDINATES 19,920.91N; 10,203.76E | LOGGED BY M.P. PHILLIPS

HOLE STARTED JUNE 24/90 | COMPLETED JUNE 29/90

SURVEY/DEPTH	COLLAR	92.96	179.53	299.62
DIP	-49	-47	-45°	-45°
AZIMUTH	034°			030°

ZONE 2,5,6,7&9 | SECTION 10,200E

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					0	CASING - NO RECOVERY												
					1													
					2													
	2.74					2.74								2.74				
					3	DOLOSILTITE - MED GRAY COLOR - COARSE SILT - V FINE SAND SIZE (DOLARENITE) V WK DARKER LM - I.S. DLA STRUCTURE	15°	55°S									
						V WK SD VT <1MM WK LI (PY?) ON FR. V WK SUP												
		3.0	100		4	NO SUP CY ON FRV AT LC - 10CM WITH INTERBD <5CM MEDIUM SAND OOLITIC BEDS		65°S						T9084	0.07	0.03	0.02	0.01
					5	TRN D/S 5.07 DOLOSILTITE - LIGHT TAN COLORED · V V FINE GRAINED W WK DEV DK GRAY LM - OOLITIC & INTRACLAST	30°	55°									
						5.07 STBDNG 30P CY												
	5.74				6	5.47 V. FINE DISS. PY	25°	60°						5.74				
						V WK SD VT <1MM WK CY ON FRV & WEAKENS D/S · OCC LI & PY ON SD VT												
		3.0	100		7	D/S 7.5 3MM - 15CM TUFF V THIN BD OF MED GRAY MUDS · DOLOMICRITE PROMINENT · BED SLUMPED · RARE FINE X BD PY BED	25°	65°						T9085	0.03	0.01	0.02	0.01
					8		15°	60°										
	8.74				9		25°	60°						8.74				
						9.75 D/S 9.75 DOLARENITE - MED LIGHT GRAY TO MEDIUM GRAY, FINE - MED SAND SIZE · WK DARKER LM - (BLACK CLAY) ½ SLUMP STRUCTURE COMMON												
		3.0	100		10	WK SD (<2%) VT <2MM - MINOR PY, LT (LAM) TRACE GL & SL ; WEAK SV <2MM READILY PY, MINOR CLAST	30°	60°						T9086	0.10	0.08	0.03	0.01
					11		15°	60°										
	11.74					D/S 11.75 SV ICR 1/5-15CM & TO 13.72												
					12		25°	60°						11.74				
					13		45°	50°										
		3.0	100											T9087	0.21	0.02	0.10	0.01
					14	13.72 D/S DCR PY SV & ICR SD VT @ SL : SLIGHT ICR SD 2-3% FR & VT 2-10MM AV 2-4 WITH FAIR - MOD SL & TR GL	65°	50										
	14.74				15	SX VT 1/5-30CM AV 20CM; OFTEN SL W/CRACKS AROUND VTS IN RANGE 2-25CM (BP?)	30°	70						14.74				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-7 Page 2 of 2T

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Sheol og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					15	NOTE: PY-SD VT CUT BY LATER SD-SLVT; NEAR BTM CNT SLIGHT ICR CL — D/S 15.33 TO 16.73 - DOLARENITE STRONG SPARDY DO LM - CBMPOT - ALGAL; WK LM													
			3.0	100	16									T9088	0.41	0.09	0.03	0.01
					17	TTO — — D/S 16.73 - DOLOSILTITE - MED LGHT GRAY, COARSE SILT, WITH DKER TO 1CM LM DOMODS - DOMP;		58°											
	17.74				18	17.75 - FAULT - D/S CORE BROKEN		60°						-17.74-					
						WK CHON. BD & FRV; BREAKS ON BD & INTERSECTION FLS BD — 16.60 - 17.22 - DARK GRAY - BLACK STRONG COARSE SAND OOLITES IN A V FINE SAND MATRIX; OOLITES DCP & BROKEN NEAR LC	50°	45°										
			3.0	75	19	WK GD ~2% MAINLY AS 1-2MM OCC TO 10MM; SD VT - FRESH TO								T9089	0.04	0.02	0.01	0.01
					20	WK OXD & MINOR LI; LOOKS ORIGINALLY MOD SX PPE SUD NT;													
	20.74				21		45°	50°S											
							60°	40°S						20.74					
							50°	40°?											
					22		55°												
			3.0	85										T9090	0.05	0.01	0.01	0.01
					23	D/S 23.16 TRN - DOLARENITE - MED DK GRAY, V FINE - FINE SAND SIZE W DKER MUD LM TO	75°												
						HIGHLY FR													
	23.74				24	23.80 - 8CM CRUSHED ROCK 35° FAULT — 25.9 MED GRAY DOLOSILTITE BEDS								23.74					
						AT UC - VAGUE BR-BC WITH V FINE FR-BF SD CLASTS V FINE; D/S 24.38													
					25	BR <2CM CLASTS IN 10% FINE BF & FR <10CM AT TOP FAIR LI & 25 CM BAND AT LC MOD STRONG LI													
			3.0	90		25.25 TRN								T9091	0.09	0.01	0.01	0.01
					26	BR - PASSES IN ROOT OF BC WITH LOW SD BF TO BR W 7-10% SD BF; WK SD FR & VT MINOR LI ASSOC W SD; SX - OXD													
	26.74				27									26.74					
					28	27.75 TRN <3CM BR-BC W WEAK SD BF MINOR SLVNT	15°	55°											
			3.0	80		D/S 28.75 DCP SL & <1-2MM VT @ PY & LI ICR								T9092	0.55	0.04	0.04	0.01
					29	TRN	35°												
						STRONG CRACK <1MM SD, VAGUE POORLY DEFINED <5CM BANDS OF BC-BR													
	29.74					WITH WEAK BF SD; WK LI, NIL SX (OXD								29.74					
					30	30.15													

CERTIFICATE NO. 90B121

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-7 Page 3 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/mt	Cu %
					30	DOLARENITE -AS PREV												
						30.15 — WK FP; 3% SD VT TO 8MM & MINOR PY, LI & SL	25°	75° N									ORT	
					31	30.65 — IBN BR. - SHEETED CLASTS TO 8CM AT TOP & BTM												
			3.0	100		31.38 — 10-15% BF SD, LOOKS $$; SOME CB LOOKS DO - POSSIBLE WTERCLAST AT TOP WK LI MIDDLING FR = HIGH									T9093	0.41	0.03	0.03	0.01
					32	WK SD 2% <1MM CRACK FILLING CB - WHITE POSSIBLE LIGHT GRAY CRYPTO ALCAL; WK LI													
	32.74													-32.74				
					33	33.22 — FAULT - 40° x <1cm CLASTS IN A FINE <1-2MM CLAST & FLOUR MATRIX													
						33.40 — HIGHLY BROKEN WK <5MM SD VT		55°										
			3.0	70	34	34.32									T9094	0.22	0.02	0.01	0.01
						HIGHLY FRV RESULTING IN <3cm SH BR IN COMPETENT ROCK MUD	D/S 34.32 — DOLARENITE - MED LIGHT GRAY, V FINE SAND WITH OCC MUDS PARTING WITH												
					35	TRANS POSITION OF BD IN MUDS ROCK; WK BP IN BR	UTHIN BEDS LIGHT GRAY MUDS AND BANDS OF DOLOMICRITE	40°	50° S										
	35.74					VWK SD VT <5MM OUTCRAL WK SD CY ON FR & FRV - FAIR; MINOR WK LI		11 F1?	75°					35.74				
					36	WITH SD; BR WEAKEND												
						S. 36 — DOLO MICRITE & MUDS												
					37	NOTE STRONG FRV TO BR			75°									
			3.0	85		37.50 — BDS - BECOME COMPOTENT — D/S FRV ~20% BECOME MORE COMMON: 1-2% (WK) CASH & FR SD ICR LC	± 38.10 - 15cm OOLITE BD.		50° F2 60° F1						T9095	0.22	0.02	0.03	0.01
					38	38.45 - CNT 25° x												
	38.74				39	FAULT - PLATY CLASTS TO FINE CLAST - FLOUR MATRIX - 0° - 20° x								38.74				
						39.00 HIGHLY FR, NARROW WK BC, WK <1% SD												
						39.53 — STRONG OXD; BR. - FAULT?												
					40	39.93 —	D/S 38.55 - DOLARENITE AS ABOVE & D/S MED DK GRAY											
			3.0	90		MOD - STRONG FR, OCC 1-5 cm									T9096	0.60	0.03	0.03	0.01
					41	WEAK BC @ SD BF; 1-2% SD WEAK LI; SD MAINLY CRACK - FR	D/S 40m - 25cm OOLITE BED	TP?	65°									
						41.50 — NOTE CHANGE STRUCTURAL STYLE D/S @ MOVEMENT ALONG MUDS	D/S 41.50 DOLARENITE - MED											
	41.74				42	STRONG FRV IN MORE COMPOTENT BEDS SH - BR ALONG F1 & IN MUDS TP BD. WEAK CASH/FR SD <1%	LIGHT GRAY TO MED GRAY @ WK LM - UTHIN BD MUDS MOST LIGHTER COLORED ROCK	TP	70°					41.74				
						MINOR LI & PY?; BR TO <3cm.		TP	65°									
			3.0	95	43									T9097	0.12	0.03	0.01	0.01
					44		D/S 45.2 10cm DOLARENITE - MED DK GRAY WK DK LM - NOTE BC RATHER THAN TP MUDS	TP F1	60°									
	44.74				45									44.74				
								TP F1	70°									

ASSOCIATE

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 96B-7 — Page 4 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH — COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					45													
					46		TP	70°										
			3.0	90		45.9 - 46.85 - DOLARENITE - MED DK GRAY, V FINE - FINE GRAINE COMPOTENT ROCK									T9098	0.86	0.10	0.05	0.01
					47	46.85 - START STRONG LI IN SD.		70°										
	47.74					STRONG CRACKLE FR - IN PIECES PATCH BC, WK SD. FE & BF FAIR X 16MM, SDVT & ER.													
					48	47.85 — WITH MOD LI & TRACES PY & CL	D/S 46.85 - DOLARENITE - MED LIGHT GRAY FINE - MED SAND.								47.74				
					49	WK FRV IN COMPOTENT ROCKS & FAIR - MOD FRV IN ROCKS WITH MUDS LM WK FR SD 1-2% & MINOR TO 10MM	D/S 48.60 DOLARENITE - MED DK GRAY, V FINE - FINE FAINT LM.	50° TP											
			3.0	95										T9099	0.95	0.10	0.05	0.01
					50	SDVT WK LI OCC PRESENT IN SD. & D/S 52m X 3MM SDVT FAIR - MOD LI - PY. HALO? SD 1-2%		15° IIFI	55° N										
	50.74				51			15°	TO° N					50.74				
					52		D/S 52.15 - DOLARENITE - MED LIGHT GRAY, V FINE SAND. DK GREEN HUDS LM WEAK TRACE 2 4CM	65°	40° S									
			3.0	100				30°	60° S					T9100	0.31	0.08	0.05	0.01
					53		DK GRAY - BLACK DOLOSILTITE		60°									
								25°	65° N									
	53.74				54	54.12 — SHARP CNT — UC - BR ± 15CM - FAIR BF SD & MOD - HEAVY SX PY > CL > SL (?) 2 HZ DS BC OCC < 3CM BR - FAIR LI; SECTION WK - STRONG OXD			40°						53.74				
					55	54.57 IRV — WK SD CRACK FR & VT < 2MM; RARE PY - LI IN VT			70°									
			3.0	90		55.35 — FAULT? - STRONG FRV SH & NARROW < 1CM BR -								T9101	3.64	0.42	0.18	0.01
					56	55.55 — 2T CNT COMPOTENT & INCOMPOTEND UNITS - THRUST?			65°									
	56.74					STRONG POKER CHIP FRV. OFTEN MOVEMENT ON MUDS LM (TP BD) V WK < 0.5% SD								56.74				
					57	57.15 — — — D/S FRV WEAKENS.			50°									
			3.0	90		WK < 1% SD. BLEBS, FR BLEAK < 2MM VT												
					58	D/S 58.3 PY - LI VT < 1-2MM. PRESENT	D/S 58.8 - MUDS LM ABSENT. DOLARENITE - MED LIGHT GRAY FINE SAND SIZE. WK LIGHT GRAY	55°	45°					T9102	0.09	0.08	0.03	0.01
					59	58.8 —	CHERT LM TO 61.55 WHERE THEY											
	59.74					WK BC - HIGHLY FR - WITH 4-6% BF SD AT TOP & ~25CM ON LC - BR - COARSE & 15-20% SD BF. MINOR LI IN SD.	BECOME DOLOSILTITE LM & PREDOMINATE OVER MED LIGHT GRAY DOLARENITE;								59.74				
					60	60.08												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B17 — Page 5 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊕ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	CP %
					60	DOLARENITE - AS PREVIOUS												
						60.88 WK SD (20-5°) PY-SD SX VT <1MM ICR D/S												
						60.65	15°	70°S										
			3.6	100	61	SI+PY FR (F2>F1) UP TO 3 MM FAIR TO MOD MINOR 7-10MM SD @ FL & OTHERS								T9103	0.11	0.36	0.10	0.01
						WITH PY>SL>CL, D/S 61.60 SI+PY FR D/C.	15°	70°S										
					62	62.25 V WK SD FR <1MM												
	62.74													62.74				
					63	63.0 AT TOP 20MM SD @ RIM OF SI+PY+CL: D/S	15°	70°S										
						63.17 CUT 70° D/S FAIR 1-2MM SW SI+PY VT												
						BR-COARSE < 10% MATRIX SI, SD+SX WITH												
					64	63.45 LC-60° SI 2SX DCR D/S; PY>CL>SL 2 HR.												
			3.0	90		63.70 STRONG FRV-TO BC, WEAK MIN 2 AT BTM		55°						T9104	0.89	1.27	0.28	0.01
						2CM FINE BR WITH STRONG SL												
					65	FAIR 1-3MM SV-GL>PY 2.												
						64.15 WEAK SV IN 6-15MM SD VT	D/S 62.35 - SIMILAR TO ABOVE;											
						STRONG CLV-V WK SD.	DOLARENITE - MED GRAY U FINE											
	65.74						SAND WITH THIN LM. - LM OF											
						65.25 - 1	LIGHT GRAM-WHITE DOLOMICRITE							65.74				
					66	QZ-PY FR 1MM TO VT 2-10MM TR CL>SL	COMMON; BD CONTORTED - SLUMPING	70°										
						66.10 WK SD FR 2 VT MINOR SL	AND FRV;											
						LC-PY HALO												
						WK-FAIR SD IN 1 1.5 M, 5-10MM	65.5 - 66.0 MODS. - MED GREENISH											
					67	BC WITH SD AS BF; <2° SD FR	GRAY	55°						T9105	0.24	0.29	0.09	0.01
			3.0	90		& VT 1-8MM AU 2-3 MM WITH TRACE												
						CL>SL: A FEW PY VT <3MM;												
					68	MINOR SI+SL>PY TO 8MM		65°										
	68.74													68.74				
					69													
						35CM U/S LC: ICR SD FR & VT												
			2.26	100		WEAK-FAIR SL=GL												
					70			65°						T9106	0.23	0.11	0.05	0.01
	71.00													71.00				
					71	71.05 MOD SW SI>SD FR @ FAIR SL&GL	70.7 - 72.2 — LIGHTER COLOR.	60°										
						71.12 BR - BAND DS FINE & COARSE; SI>SD BF	DOLOMICRITE LM. RARE;		71.12									
						STRONG SL>PY NIL<SL - SL - 5%	D/S 72.2 BOMB TO DOLO-SILT		5 +	6	0	0	1 +					
					72	71.56 2% SD 1-4MM WK SX; PY VT	STONE - COARSE SILT SIZE & OCC.		71.56									
			3.0	100		<2MM FAIR & DCR D/S	MODS	20°	55°					T9107	2.42	0.22	0.08	0.01
						72.30	D/S 72.2 - AS D/S 62.35											
					73	V WK SD FR	RARE < BLACK LM. DOLOSILTITE	25°	55°S									
						73.60												
	74.00				74	FAIR SI FR>PY 1 SI>QZ @ PY MINOR GL>SL			65°					74.00				
						74.3												
					75	SEE NEXT PAGE		30°	65°S									
			3.0	100										T9108	0.35	0.26	0.07	0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-7 — Page 6 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					75	VWK PY FR: RARE 2-10MM VT SI>SD @ PY>>CL≥SL; WK <0.5% SDFR ≤ 4MM VT	AS DRILLED - INTERLM - THIN BD MED GRAY V FINE DOLARENITE AND LIGHTER COLOR GREENISH GRAY DOLOSILTITE: MINOR - FAIR PALE GREEN LM - V THIN BD MED GREEN MUDS: RARE 22CM BLACK LM: DOAR.	0°	60° S(?)											
					76													
	77.00				77			0°	60° S(?)						77.00				
					78	77.87		20°	50° N									
			3.0	100		VN - 5-15MM AV 10M. SI>SD & MAINLY SD>SL ABORT 1/05M ≥ AV 25° X SUB // BD: VN HEAVY FAIR									T9109	0.82	0.41	0.16	<0.01
					79	SL WK CL, FAIR FRV (65° X) FR TO 5MM VT WITH STRONG PY FAIR BL WK CL. LOW & VN WHERE FRV (60° X) WELL DEVELOPED		20°	70° N										
	80.00				80			30°	60° S						80.00				
						80.20	B1.78 - 82.17 - INTERCLAST - VAGUE 1-2 CM CLAST												
						VWK SDVT≥ PY FR.													
					81	80.85	B3.10 - 84.00 - OOLITE BED - 1MM OOLITES	60°	85° S										
			3.0	100		WK - ICR D/S SI + STRONG PY FR VT UP TO 4MM; SD - WK ≤ 5CM BR. 20CM AV 4MM VT WITH WK SL	STRONG AT TOP & WEAKEN D/S IN A MED SAND MATRIX								T9110	0.99	1.11	0.37	<0.01
					82		84.55 - 84.72 - 60% ≤ 3CM BD - OOLITIC	40°	80° N										
						82.60 - 11CM BR STRONG SI ICL; SX: 50%	D/S 80.90 - LIGHT COLORED BD NOT												
	83.00				83	1/20CM. F2-20-30° & 10-20MM SD VT HEAVY SL P/N SD: WC 1-3MM SI + SL FR	COMMON; D/S 82.86 TO OOLITE BED DK GRAY MED SAND DOAR:	60°? F1?							83.00				
						83.40 ≥ VT ON F1 ≥ F2 BC - 20% SD BF ≥ WK SL													
					84	83.62	D/S 84.72 LIGHTER COLOR MED LIGHT GRAY TO STRONG LM. PALE GREEN MUDS ≥ DOMS: MED LIGHT GRAY DOAR IS FINE - MED SAND GRAIN SIZE WHERE MUDS COMMON - F1 ALONG BD	25°	75° N										
			3.0	100		D/S 10C - 25CM SW 1/5CM - IN 5-8 MM. SD>SI VT TO FAIR: MOD SL>PY>CL									T9111	1.33	1.36	0.53	<0.01
					85	D/S 1-5MM FR ≥ VT TO STRONG FR ≥ VT SL ≥ D/S 84.8 FR VT 1-2MM ≥ HIGH IN PY.		65°											
	86.00				86	85.70	D/S 89 1-3CM. BD MED-COARSE SAND ~1/2M.	40°	60° N						86.00				
						MINOR SD FR; NIL PY VT													
					87			40°	80°										
			3.0	100		87.4 1/1MM FR ≥ TO 10MM SD>SI VT AV 3MM USUALLY STRONG SX - PY>>SL>CL									T9112	0.58	1.24	0.40	<0.01
					88	87.78 D/S 7CM - BR - 70° 20% BLEB SD; BLACK SI CLAST ≤ 60% SX GL>SL; FAIR PY		40°	70° N										
						88.43 1/5CM 10MM SD>SD: PY HIGH ≥ MOD SL>PY>CL													
	89.00				89	88.85 ≤ 1-2MM FR - HIGH PY		45°	68						89.00				
						WK SD TO MINOR SX, MINOR ≤ 1MM PY FR VT; THROUGHOUT CRACK SL													
					90			40°	70° N										
														T9113	0.08	0.37	0.11	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-7 Page 7 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	SG %
			3.0	100	90													
						90.52 - ICR VT & MIN/2 WK SD 1-2% IN FR & 1-2MM VT												
					91	5 UCRM WK SX; MINOR PY VEFR ICR D/S	20°	70° N										
	92.00				92	92 - 4cm - BR - SI > SD 20% SX; SL > GL & PY.								92.00				
						WK 1-2 MM SI & WK SX VT.	TP	65°										
					93	BR - 16CM - SPRL CLAST - WK SD 60% SX, 40% SL ZONE CHARACTERIZED BY SLGHT ICR IN SD & ICR MIN/2	D/S 92.92 - 10CM DK GRAY - BLACK BAND AS BELOW	TP	70°										
			3.0	95										T9114	2.43	0.94	0.24	<0.01	
					94	SD 2-4% SD VT 2-4MM WEAK - STRONG		TP	70										
						SL, MINOR GL; BR - 1-7CM AV 2-3 CM WITH SD DOZ & WK-STRONG SL	D/S 93.35 - MAJOR CHANGE IN ROCK TYPE	35°	60°										
	95.00				95	BR & VT 3-20 CM AV 5CM SPACING NARROW BR - SS FR CLY	DOLARENITE - MED GRAY & DARKER V FINE GEVERALLY FINE SAND	60°	70° S					95.00					
						SL > > GL; SL ~ 1% FR SL COMMON AROUND BR BR CNT'S TRN & UNDE	SIZE: FAINT DARKER LM; PARTINGS TO 2MM BD BLACK DOLOSILTITE												
					96		BLACK DOLOMICRITE AND MUDS FAIRLY COMMON; MOD FRV WITH TP BD ON MUDS	TP	70°										
			3.0	95										T9115	2.57	0.54	0.20	<0.01	
					97		96.69 - 97.03 MED LIGHT GRAY DOAR W PALE GREEN MUDS DOMP LM	35°	70°										
	98.00				98	98.2 LC - <3CM BR D/S SD VT WITH SL DENSITY DCR								98.00					
					99		D/S 99.0 ROCH DARKER ICR BLACK MOD WORM CASTS COMMON VARIES LIGHTER DOAR - FINE SAND TO DARKER (MORE MUD) V FINE SAND TO BLACK: DOLOSILTITE												
			3.0	80										T9116	0.74	0.23	0.08	<0.01	
					100	100 DS ICR VT SD 2-8MM SD VT & FR WK PYRLITE GL SL 11 5CM AT TOP & DCR TO 1 1/5CM D/S		20°	60° S										
	101.00				101	100.82 — WK < 1% SD VT		30°	30° F2 75° S F1					101.00					
						101.50 — SD SI VT TO 10MM; 1 1 5CM DCR D/S WEAK SX PYRLYCL	D/S 102.2 LIGHTER COLOR MED FINE SAND DOAR W MED DK GRAY DOLOSILTITE - DOLARENITE - V FINE SAND W WORM CASTS TO 104.25m	15°?	60° S										
			3.0	100	102	102.0 — V WK (<0.5%) SD VT TRCL								T9117	1.15	0.23	0.10	<0.01	
					103	102.55 — STRONG 5-30CM BLEBS (F2) & VT SD. FAIR SX - SL > PY > CL; MOST SX ON 4-10MM SD VT.			60° 65°										
	104.00				104	103.53 — WK (1-2%) SD VT 1-2MM TRACE SX & VT DCR D/S								104.00					
						104.30 — SD 3-4% FAIR VT 2-8MM OCC FAIR SL NEAR L/C 10CM COARSE BR W 20% BFSD WK SX		20°	50° S										
					105														

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90187 Page 8 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	
		AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL GL CP TT PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
			3.0	100	105	SEE PREV PAGE								
						105.5								
					106	V WK SD < 3MM VT FRACS SL — 105.75 - 106.0 - BLACK DOST - CRYPTO ALGAL? (V FINE SPARRY DO)	35°	50°S		T9118	0.42	0.08	0.04	<0.01
	107.00				107	106.70 — SD > SI & SL > SD VT 3-10MM AV 10MM - SPACED 5-30CM APART WK-STRONG SX, W FAIR-MOD SL > CL > PY · USUALLY CONC W 20CM BANDS — 106.0 - 106.9 - MOTTLED - BIOTURBATED? MED GRAY FINE DOAR W CONTORTD LM OF BLACK DOST	45°	70°S		107.0				
					108	D/S 106.9 - AS D/S 102.2 DOAR FINE-MED SAND. - LM? CRYPTOALGAL? & D/S 108.72 LM-2CM BD.		75°						
			3.0	100		108.40 — BR - GSX HEAVY OXD SD % SD				T9119	1.01	0.76	0.33	<0.01
					109	108.65 FAIR-MOD SI MINOR CL STRONG LIN HZ SD VT - FAIR OXD FAIR CL > HZ 108.83 — MINOR PY — BLACK MUDS — 106.1 - 108 FR 1% & WITH 2-3MM SD	45°	55°S						
	110.00				110	109.76 AT UC - 3-10MM SD VT 1/2CM FOR 50CM WK CL > SL, D/S WK FR < 2MM VT — 109.20 - 110.85 - STRONG MED DK & BLACK DOMP, MUDS & DOST HEAVY WORMY TEXTURE - BIOTURBATED	15°	55°		110.0				
					111	110.47 — 8CM SD-QZ VT 5-12MM STRONG SL — DK 110.95 · MED DK GRAY V FINE - - DOMP? - CRYPTOALGAL? SM?? WK MOTTLED APPEARANCE	55°	55°S						
			3.0	100		110.75 7CM BR - STRONG SD, WK CL HZ				T9120	0.51	0.30	0.12	<0.01
					112	WK SD VT < 4MM, SD 1-2% TR SX 110.05 - 110.35 - 1/2CM 5-15M QZ > SD VT - STRONG SL FAIR GL MINOR PY	20°	50°S						
	113.00				113			65°		113.0				
						113.1 5 - 50MM SD QZ VT F1 & F2 - MINOR SL								
					114	113.70 — V WK SD (2%) VT < 4MM — D/S 114.25 - SIMILAR TO ABOVE LIGHTER COLOR - MED GRAY; HAS WK BD WK MOTTLED; UP TO 5CM BD OF DOST.	25°?	60°						
			3.0	100						T9121	1.02	0.53	0.29	0.01
					115	114.82 5-30 CM SD VT 1/5-20CM — MOST WEAK STRONG SX - SL > GL	~0°	60°						
						115.44 & MOSTLY GL > SL								
	116.00				116			55°		116.0				
						WK 1-2% SD VT 1-3MM. — 118.55 - 119.25 - DOLOMICRITE								
					117			50°						
			3.0	100		D/S 119.25 - BLACK DOMP - DOST WEAK - FAIR LIGHT GRAY LM - INDUROSE, LM OCC GRADED BD & D/S 120.2 IGR. BD MED LIGHT				T9122	0.10	0.16	0.05	<0.01
					118									
	119.00				119	118.02 - 2CM BR AT JCT F1 & F2 STRONG BF GL - SL WK PY — GRAY DOST, OCC BLACK DOMP OCC NARROW BD WORMY DOST	~0°	50°S		119.0				
						< 0.5% SD FR > VT 1-3MM								
					120		20°	50°S						

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90-8 T Page 5 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					120	AS PREVIOUS												
			3.0	95		SEE PREV												
					121		30°	60°S						T9123	0.01	0.02	0.01	<0.01
	122.00				122		25°	60°S						122.0				
						122.40 D/S ICR SD VT	D/S 122.40 - DOLABENITE - WK MOTTLED - CRYPTOALGAL - MOD SPARRY CB; V WK PLANAR BD											
					123		30°	65°S										
			3.0	100		SD VT & FR 3-5% 1-15MM AV 2-4MM; NIL SX	MINOR < 1CM BLACK DOMR & BD TO 15CM MED GRAY DOSI W							T9124	0.01	0.01	0.02	<0.01
					124		20°	55°										
							WK BLACK DOMR LM - DOSI PLANAR BD											
	125.00				125		25°	70°						125.0				
						125.58 20CM BX - 25% BPSD - BARREN D/S SLIGHT ICR SD VT &												
					126													
			3.0	100		SD 2-4% 2-10MM AV 5MM NIL SX, RARE STRONG GL > SL > PY NEAR LC ICR SW < 1MM SD								T9125	0.30	0.25	0.09	<0.01
					127	126.82 15-20MM SD > SI VT 1/5-10CM		65°										
						127.40 WK SX - GL > SL - PZ OXD												
	128.00				128	WK < 0.5% SD VT 1-2MM	25°	65°						128.0				
						128.27 5-30MM SD VT 1/5CM BARREN TO FAIR SX - GL > SL	D/S 128.8 - MED GRAY BD DOSI WITH MINOR LM BLACK MUDS BEDS 1CM DOMINATE											
					129	128.85		65°										
			3.0	100		V WK FR SD: ~1/1.5M. 5-15 CM WIDE BANDS WITH 2-4 2-4MM SD SI VT WITH FAIR TO STRONG SX; GL > SL WK PY								T9126	0.15	0.39	0.14	<0.01
					130			55°										
							D/S AS 122.40 - CRYPTOALGAL - WK MOTTLED SPARRY CB											
	131.00				131		35°	70°S						131.0				
							130.10 LC, DOMR D/S 130.10 - DOLOSILTITE - COARSE SILT SIZE, WAVY, UNDULATING BD MED GRAY & MEDIUM LIGHT GRAY LM; BEDS ROLL = 5M;											
					132		35°											
			3.0	100										T9127	0.13	0.56	0.20	<0.01
					133	133.02 - 7CM BR SI > SD - 50% SX GL > SL												
	134.00				134	V WK FR SD < 0.5% 1/3M 10MM SI VT TO FAIR GL > SL	134.0 - 134.22 - BLACK MUDS - IN PLACES LIGHT GRAY FINE LM	35°	50°						134.0				
								20°	60°N									
					135													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-7 — Page 10 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
			3.0	100	135	134.8 - 136.0 - BD TO 1CM OF BLACK LM MUDS COMMON												
					136	SM - U FINE DOAR TO COARSE DOSI	25°	60°						T9128	0.17	0.44	0.12	<0.01
	137.00					136.05 D/S ICR 5X IN SD VT												
					137	40CM 3-5MM SI QZ VT WITH FAIR SL 7 CL: MINOR SL IN TO 3MM SD VT. D/S 136 - AS PREVIOUS ONLY LIGHTER COLOR, LM WIDER & BD ON UAGUE	25°	60°S						137.0				
					138	AT 137.81 5CM BR - STRONG SD ~15% SL, <5% GL												
			3.0	95										T9129	0.26	0.31	0.07	<0.01
					139	AT 139.81 - 6CM BAND - 2-15MM SD-QZ VT - FAIR SL 7 CL - 5X: <8%												
	140.00				140	D/S 140 MIN/3 SD VT DCR	15°	75°S						140.0				
					141	141.05 - 7CM BR - 40% SDBF - D/S. ~10% TO 8MM SD VT & DCR D/S; TRACE SX												
			3.0	100										T9130	0.53	0.82	0.19	0.01
					142	141.85 — ICR MIN/2 SD VT SD-QZ VT - 2-25MM AV 8M 1/10CM WITH FAIR SL 7 CL: 5X IN VT DCR D/S		75°										
	143.00				143	142.78 - 7CM BR AT JCT F1 & BD, OXD - GL 7 HB 1-5MM SD VT DCR D/S WITH UK - FAIR SX 143.40 —								143.0				
					144		0°	70°S										
			3.0	100		WK (<0.3%) FP SD: 8-20MM AV 10MM QZ SD VT SPACED 30-80CM APART ONE 20CM VT - FAIR SX GL 7 SL								T9131	0.30	0.37	0.12	0.01
					145	D/S 145.5 AS ABOVE W OCC LM - 1CM BD BLACK DOMR/SILTSTONE	0-20°											
	146.00				146		15°	70°S						146.0				
					147	147.07 —												
			3.0	95		YWK <0.5% SD MAINLY FR: MINOR TO 3MM VT RARE M/MOR SX	20°	70°S						T9132	0.06	0.10	0.03	<0.01
					148	149.7 - TRN LC - SM. UNIT D/S BLACK MUDS & HIGHLY CONTORTED - SLUMP' LM DOSI - SPARDUCB COMMON; D/S ICR DOSI & DCR												
	149.00				149	BLACK MUDS: DOSI - MED GRAY MOLAR TOOTH/STRUCTURE IN DOSI	0°	65°S						149.0				
					150			60°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B47 Page 11 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					150	SEE PREVIOUS PAGE — D/S 151.50 TO 2CM BD OF LM BLACK MUDS ~1.05M IN DOSI - MOLAR TOOTH													
			3.0	100	151			65°						J9133	0.03	0.12	0.05	<0.01
	152.00				152		~	70°						1520				
					153			60°										
			3.0	100		153.65 - BTM CYCLE? D/S AS AT 149.7M - INTER LM & U THIN BED BLACK MUDS) MED GRAY DOSI: BD HIGHLY CONTORTED - SOFT SED SLUMP - STRONG SPARRY CB.									T9134	0.06	0.16	0.09	<0.01
					154			70°										
	155.00				155		~	50°						1550				
						154.55 D/S 5M AS ABOVE - UNDULOSE												
					156		~	70°										
			3.0	100		D/S 156.25 - UP TO 3CM BD - BLACK MUDS - DOLOSILTITE. LIGHT GRAY U FINE LM - 10CC. <10CM BD LIGHT GRAY - U FINE - FINE DOAR - DOSI									T9135	0.01	0.03	0.01	<0.01
					157		~	55°										
	158.00				158		~	35°? N						1580				
								15°										
					159													
			3.0	95			~							T9136	0.01	0.04	0.02	<0.01
					160													
	161.00				161	163.10 LC - WAVY SM		70°						1610				
						D/S 163.10 - MAJOR CHANGE - INTER LM - U THIN BD MED LIGHT GRAY DOSI & BLACK MUDS. GRADED													
					162	BD; BD PLANAR - CONTORTED AT UC; XBD? - DOSI) MUDS; NARROW	~	65°										
			3.0	95		BD <3CM NEAR UC								T9137	0.02	0.02	0.01	<0.01
					163		20°	20° N										
	164.00				164		~	70°						1640				
					165		~	60°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80B-7 Page 12 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK / METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					165	SEE PREVIOUS PAGE												
			3.0	100	166		15°	75°						T9138	0.05	0.09	0.02	<0.01
	167.00					166.75 WK BR-10% — 167.0 - CHANGE - D/S SM - MED LIGHT GRAY SILT - U FINE SAND;		70°						167.0				
					167	166.92												
								60°										
			3.0	100	168	AS PREV. D/S 168.9 TO 171.2 MED LIGHT GRAY SILTSTONE INTERLM W WK BLK MUDS & DK GRAY MUDS-SILTSTONE. SHOWS GRADED BD BD - PLANAR MOSTLY STRONG SOFT SED DEFORMATION								T9139	0.02	0.06	0.02	<0.01
					169			60°										
	170.00				170			65°						170.0				
							15°	65°S										
			3.0	100	171	D/S 171.2 - SM V FINE - FINE DOMR AT 172.75 & D/S BANDS SLUMPED DOSI;								T9140	0.02	0.04	0.02	<0.01
					172	D/S 172.0 DOLODILITE - MED LIGHT GRAY TO MED GRAY WITH THIN LM OF BLACK DOMR; BD PLANAR TO WAVY													
	173.00				173	OCC SMALL SLUMP STRUCTURE NEAR LC 20CM - INTERBD SM	15°	70°						173.0				
					174	NEAR LC BECOMES BLACK DOMR W WORMY TEXTURE	15°	65°S										
			3.0	100		D/S 174.75 - BD 11X; SM - DOMR FINE-MED SAND; & DK GRAY DOMR W STRONG WORMY SPARRY								T9141	0.01	0.02	<0.01	<0.01
					175		~0											
	176.00				176	D/S 176.15 ICR SD VT & MIN/F USUALLY CONJC IN 10-40 M BANDS	178.4 - 179.0 - SM SLIGHT WAVY LM	~0°						176.0				
						176.15 SD FR & VT 2-80MM AV WK TO STRONG 5X IN 5MM VT	179.10 - 179.65 - ~80% BLACK MUDS WITH ROUNDED CLASTS (SLUMP) OF MED LIGHT GRAY DOSI & DOMR	~0										
			3.0	100	177	176.86 V WK FR SD	179.65 - 180.05 - SM - VAGUE WAVY LM;							T9142	0.24	0.11	0.03	<0.01
					178	177.75 SD VT TO 8MM W SL - WIDE SPACED		~0°										
						178.25 V WK FR (2MM) SD	180.05 - 180.90 - BLACK MUDS AND WORMY DOMR W NARROW BD <4CM OF SM DOMR.											
	179.00				179	178.94 10MM VT - FAIR SL & 8CM WK BR - MINOR SL		~		70°				179.0				
						179.14 3-5% SD - FR 3-10MM VT & 1/1M WK 3-5CM BP; WK 5X OCC SOME TO FAIR SL, TRACE GLDY		40°?		70°									
					180													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 30 B'-7 — Page 13 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithol. Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag DPT	Au o/b
					180	D/S 180.3 - DOAR - SM - FAINT WAVY BD. FINE - MED SAND; 2 - 6CM	35°	65°S										
			3.0	100	181	BD (10%) OF MED DK GRAY DOMP W WORMY TEXTURE	15°	65°						T9143	0.64	0.17	6.08	0.01
	182.00				182	182.90 - D/S FRV ICR FROM POOR TO FAIR (MORE MUD?) MED LIGHT GRAY DOSI WITH THIN LM - VTHIN BD OF	20°							182.0				
					183	182.90 — BLACK DOMP - MUDS: LOOKS PLANAR BD BUT STRONG U FINE FRV: AT LC GRADES 1 UTO 10CM BAND 'WORMY' (SPARRY CB) MED DK GRAY DOMP		75°										
			3.0	100		SDVT 1-3% FR - 2CM AU 2-3MM								T9144	0.24	0.07	0.02	<0.01
					184	OCC VT MINOR SX - SL & RARE <2MM VT FAIR SL TRACE PY	15°	75°S										
	185.00				185	184.3 - 184.9 - OCC TO 1CM BLEB PY D/S 185.65 AT TOP SM? DOAR & TRN D/S TO WORMY (SPAR CB) DOMP. AT LC.		65°						185.0				
					186			70										
			3.0	100										T9145	0.05	0.03	0.01	<0.01
					187	D/S 187 MT TO 10CM BEDS OF FINE - MED SAND DOAR & MED GRAY TO DK GRAY WEAK - STRONGLY 'WORMY' DOMP - DOSI		65°										
	188.00				188	D/S 188 INTER LM & UTHN BD. BLACK MUDS - DOMP & MED LIGHT	15°?	65°						188.0				
					189	GRAY DOSI - LM LOOK EVEN - PLANAR & DISRUPTED BY STRONG CLOSE SPACED FRC - FL	15°?	55°										
			3.0	95										T9146	1.06	0.45	0.14	<0.01
					190	189.65 1CM WK $ BE - MINOR SL V WK FR SD; AT LC 10MM SDVT MINOR GL FRV WEAKEN ~ 191M (OUT OF MUDS)												
	191.00				191	190.60 $ BE - STRONG BE - FRV SL - NIL SD & AT LC 10CM BE - SD (20%) BE - WK SL 191.05 - 194.45 - SM DOAR - FINE - MED SAND SIZE; OCC LM - 1CM BED. BLACK MUDS - DOMP - INFILL COLUMS SM. & D/S 193.35 DOAR -	40°	65°S						191.0				
						191.06 — ~ 10% SL												
					192	1% SDVT 2-8MM - NEAR LC VT <4MM W FAIR SL WK PLANAR BD MED SAND - NON SM???		60°										
			3.0	95										T9147	0.07	0.10	0.05	<0.01
					193	192.6 — V WK (<0.5%) FR SD.		50°										
	194.00				194	194.45 TRN D/S INTER BD MED LIGHT GRAY FINE - MED SAND DOAR & DARKER COLORED 'WORMY' DOSI WHICH IS D NEAR LC.		65°						194.0				
					195	194.82												
						SEE NEXT PAGE												

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80 B-7 — Page 14 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE: SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS: Zn %	Pb %	Ag OPT	CD %
			3.0	95	195	WIDE SPACED, <4MM SD VT WITH FAIR SL & A 3CM BAND W FR SL												
						195.65 D/S 195.65-196.95 MED G RAY. DOSI / VF DOAP? WORMY WITH INTERBEDS LM-3CM U THIN BED BLACK DOMP & MUDS-LM TO HIGHLY CONTORTED								T9148	0.17	0.27	0.14	<0.01
					196	WK FR SD & RARE <4MM SD VT RARE VT W WEAK SL												
						BLACK ROCK ICR NEAR LC												
	197.00				197	196.95-197.35-IB MED GRAY FINE-MED SAND DOAP WITH BLACK LM. DOSI & 'WORMY' DOSI-PLANAR BD.	35°	70°S						197.0				
					198	197.95-200.00 IB & INTER LM. MED LIGHT V FINE SAND (SILT?) DOAP AND BLACK MUDS-DOMP -PLANAR BD, NEPTUNE DYKES ~2MM.	20°	70°S						T9149	0.12	0.15	0.05	<0.01
			3.0	100	199		25°	70°S										
	200.00				200	D/S 200.0-MED LIGHT GRAY FINE-MED SAND SM DOAP W/ LIGHT GRAY DOSI AT 200.32 TO 200.53 RARE <2CM BD BLACK MUD & MED GRAY DOSI.	35°	60°S						200.0				
					201		60°	45°S										
			3.0	100		201.30 — SLIGHT ICR IN 3-8MM SD VT												
					202	WK FR SD, 3-8MM SD VT 10CM-1M SPACING-MOST WITH WK SL RARE GL RARE FAIR SL	25°	60°						T9150	0.07	0.07	0.02	<0.01
	203.00				203									203.0				
						D/S 202.68 MEDIUM LIGHT GRAY DOSI TO V FINE SAND DOAP. MASSIVE OCC <5MM LM OF BLACK MUDS-DOMP. WORMY TEXTURE-WEAK NEAR LC-b TO BD.	40°	45°									
			3.0	100	204													
					205	D/S 204.87-IB SM DOAP & MED-MED DARK GRAY DOSI & DOMP BEDS 2-10CM WIDTH	30°							T9151	0.09	0.05	0.02	<0.01
	206.00				206	205.70 7CM. BR W 10% BFSD.	40°	50°S						206.0				
					207	V WK FR SD; RARE <1CM BAND W FR SL												
						D/S 207.08-MED DK GRAY DOMK AS ABOVE & D/S COARSENING TO DOSI W FAIR SI. STRONG SPARRY CB 'WORMY' TEXTURE. BEDS (40-50%)	35°										
			3.0	100														
					208	3-8CM. FINE WAVY SM MED SAND DOAP. BELOW 210 DOMP-DOSI PLANAR BD & SHOWS GRADED REMS COARSENING U/S, SM BD WEAKER. RIDGEM BD. MED SAND DOAP PRESENT								T9152	0.09	0.10	0.04	<0.01
	209.00				209									209.0				
					210	209.83 — — — D/S ICR SD & MIN B	35°	70°S										
						SEE NEXT PAGE												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-7 — Page 15 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					210	D/S 210.0 - MED DK GRAY DOSI, STRONG 'WORMY' TEXTURE/SPAR CB; SIMILAR													
			3.0	100		SD 3-5% FR 2 VT 3-25 MM AV. 5-10MM OCC WITH MINOR SL	WORMY ROCK AS ABOVE BUT NOT SI	40°	70°							T9153	0.07	0.12	0.02	<0.01
					211	SX-FAIR 1% 2 5 MM SI+SDVT ~0.5-1.0M SPACING														
	212	00				SXUT - RANGE FROM SL>>PY TO ONES SL>CL=PY.											212.0				
					212															
					213															
			3.0	100			D/S 213.65 CNT TRN, MED LIGHT GRAY MED SAND DOAR; WK AT TOP									T9154	0.49	0.21	0.06	<0.01
					214	214.30 - 3CM FINE BR-OXD AT UC & D/S HIGHLY FR	ICR D/S 215.4 BLACK PLANAR BD TO 1CM MUDS - DOMR													
						214.63 - FAULT - 10% WEAK	214.3-216.5 - HW BREAK NO. 5 ZONE													
	215	00			215	FAULT ZONE - UC 10CM & LC 40CM OXD HIGHLY BR-CRUSHED - 40% SX SEEN, NO HZ; WK SD											215.0				
						215.38														
					216	HIGHLY FR @ FAIR < 1-2CM IRREG BC-BR OXD; ~5%-10% SDVT - WK LT - NIL HZ?														
			3.0	90		216.5 - TRN D/S STRONG FRV										T9155	0.07	0.13	0.02	<0.01
					217		D/S 217.65 - MED LIGHT GRAY, SM DOAR. UFINE-FINE GRAINED, OCC. <1CM													
						WK SD (<1%) FR-TO 5MM VT BARE FAIR-MOD CL>PY>SL	DOMP - DK COLORED. D/S 219.0 - STRONG FRV - SH; ROCK IDENTITY DIFFICULT		60°											
	218	00			218												218.0				
					219	219.0 - HIGHLY FRV & CRACKED NEAR LC - 5CM BR - SI CLASTS & FAIR														
			3.0	85		219.5 - XL PY.										T9156	0.07	2.55	0.54	0.01
					220	HIGHLY SH & FINE BR; AT UC < 3CM BAND SI CLASTS - MINOR PY & CL; FAIR OXD; V FINE SD-BF; FAIR 3-10CM SDVT - NIL SX														
						220.10 -														
	221	00			221	DARK GRAY HIGHLY SH, FINE BR; STRONG BF & CLAST SI AT TOP & BTM OF ZONE	SOME SI MAY BE FROM CHERT BEDS											221.0				
						5-8% SD BF (low) BLEBS & TO 8MM VT WEAK GL>PY AT TOP & BTM OF ZONE														
					222	MAIN BREAK - S ZONE 50-60° & WK OXD														
						222.0														
			3.0	85		STRONG FRV-SH AT UC & DCR D/S										T9157	1.82	3.25	0.73	0.02
					223	MOD SH @ FINE BR - 10% SD BF FAIR < 5MM VT SD, TR CL, OXD.														
						223.00 MOD-STRONG BREAK @ 40° BR. - 10CM UC & LC - FINE BR; SH WK BF; OXD. WK GL>PY; STRONG SL; - HZ; MIDDLING FR & 10% SD; PY>>CL>SL														
						223.53 - WK FR SL>CL														
	224	00			224	223.87			223.87 -								224.0				
						224.18 50% FINE BR - STRONG SL>CL - NOT OXD.			8	+	<.05	+/< SD		<.03	+/< SD F	1 C.				
						SD - 10-15% VT 2-10MM AO 3MM - OCC WK CL				<SD F		F								
					225	224.40 - NEAR LC - BARREN WEAK BC-BR														

SEE PAGE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 50 B-T Page 16 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					225	BR - ~15CM UC - FINE CLAST SZ STRONG SL, D/S TO 8CM OF TEN 3-4CM CLASTS 2 SX LOWER. BF=SD. FAIR BLEJVT TO 10MM AV 3-5MM; SL - 10% WK GL 2 MINOR PY; OCC WK OXD			AS PREVIOUS										
		3.0	85		226	225.90									T9158	3.43	1.43	1.26	0.05
						226.10 - 17CM WK BC - SD SW; MOD SL - 3%			226.27										
						WK FR SD; ~1% M 8-15MM SD VT TO WK - MOD SL													
	227.00				227										227.0				
						D/S 223 - MAJOR CHANGE IN ROCK TYPE P1 UNIT - MEDIUM GRAY SILTSTONE TO FINE SPAR CB WK SW. - ROCK - WK - STRONG ST												
					228														
		3.0	85			228.35 D/S 227.8 - CORE BROKEN									T9159	0.23	0.55	0.38	<0.01
						20CM. 20-30MM COARSE SD-Q=VT													
					229	229.0 - MINOR GL, V WK FR SD; IN PART OXD													
						3-10MM AV 5MM SD VT; WK GL > PY - PART OXD.													
	230.00				230										230.0				
						230.2 <2CM BR BANDS WITH FAIR GL													
						230.34 FAULT - 15CM RECOVERY - HIGHLY BROKEN/OXD - HZ - 60°													
					231	231.0 D/S 231.0 - MED LIGHT GRAY, WK - MOD SI' DOLOSILTITE - OCC V FINE DOLARENITE									T9160	0.44	1.34	1.19	<0.01
		3.0	75			V WK SD FR - 3MM VT OCC WK GL > PY & <1MM PY VT. PART OXD.													
					232														
	233.00					232.70			232.70						233.0				
					233	UC & LC - 5CM BR W INTERBP - 3-8CM SD VT													
						233.10 2 TO 20MM BLEB SD; MOD SX - VARIABLE GL = SL = PY IN PLACES SX 16 MM PY. 5% FR SD - MINOR PY & I TRACE GL													
						233.40													
						233.63 OXD FR BV - BR - FAIR PY - I, WK GL & 14CM LC - BR HEAVY PY, MOD GL													
						D/S LCR SX SD VT 1-6MM AV 4M													
					234	234.14 - HEAVY GL, FAIR SL, WK PY													
						BR - 40% CLASTS 1-8CM; 10-15% TO 2CM BLEB SD TO HEAVY PY IN SD - FINE CLAST MATRIX - 30% PY & <3% GL, MINOR SL			1. + <SD F	3 + <SD			7 + <SD		T9161	1.12	5.47	7.25	002
		3.0	95			234.60													
						10CM 3-10MM SD VT & WK GL													
						234.97													
					235	UC - 5CM BR & D/S. 10CM SW-BC; - BOTH GL = PY - MOD TO STRONG AT LC 37CM BR - ~50% TO 3CM ANGULAR CLASTS; 10% BLEB SD; 40% PY, 10% GL & 3% SL;													
						235.54													
						8 SX > SD VT 2-15 AV 5MM PY > GL, MINOR SL													
						235.83													
	236.00				236	V WK <2MM SD VT									236.0				
						236.25 235.25 - 237.35 - MED GRAY FAINT ALT LIGHT & DK POORLY LM FINE SAND DOAR.													
						SEE NEXT PAGE													

A9018696

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-7 — Page 17 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CO %
					236	DOLOSILTITE AS D/S 231.0m	0°												
						236.25 — AT TOP TWO 5CM BR-VT W/ STRONG PY & FAIR GL AT LC - 15 CM - 30% 1CM CLASTS 25% BLEB SD; BF IS SD + 30% SX; SL > GL & LOW PY												
						236.70 —													
						VWK FR SD; NEAR LC SX-SDVT-2-4MM													
					237	237.02 — BR-30% SX; PY > CL AT TOP & SL > GL; LOW PY AT BTM									T9162	231	3.75	3.06	<0.01
						237.18 — WK SX+SDVT 1-2MM AT LC													
			3.0	95		237.44 — D/S UC - SX VT - SW - IN PLACES BR - UP TO 2CM VT; WEAKEN D/S 237.65 TO 5MM VTS TO 2MM VT AT LC; PY > CL MINOR SL & HZ												
					238	238.05 — BR - LARGE CLASTS - 15% SX BF = SL > GL > PY													
						238.25 —													
						238.37 — BR - 75% 5MM - 8CM ANGULAR CLASTS 10% BLEB SD; ~15% SX AT TOP PY > GL >													
						238.76 — D/S GL = SL > PY			1 +	3 +			7 +						
						SX SX-SDVT 2-4MM, PY HIGH			<SD F	<SD			<SD						
	239.00				239	239.0 — BR - STRONG UC & LC - 220% SX									239.0				
						239.23 — SL > GL > PY													
						SDVT - 1 - 10MM AV 2-3; DCR D/S NT - BD F1 > F2; FAIR SX & DCR D/S													
						239.75 —													
					240	BR ZONE - AT UC TO 240.30 - 40% 5MM - 8CM AV 2CM IN A SX-FINE CLAST 1-3MM MATRIX - BLEB SD ~50% SX; UC - 10CM GL > PY & D/S PY > GL MINOR SL												
			3.0	95		AT 240.3 TRN D/S ICR LARGER CLASTS UP TO 15 CM AV 3-5CM; DCR BR MATRIX D/S; 60-70% CLASTS (2CM) ICR BLEB SD 20% SX; AT TOP PY > CL > SL WITH ICR SL TOWARD LC.										T9163	2.27	3.52	3.47	<0.01
					241	D/S 241.45 - CHANGE ROCK TYPE MED DK GRAY, WORMY DOMR. GRADING INTO LIGHTER COLORED U FINE - FINE SAND DOMR													
						241.45 —													
						SD ~5%; 2MM - 20CM SDVT AV 3-4 FAIR - STRONG SX; SL > GL > PY AT POP & D/S PY > SL > CL -	D/S 242.80 - MED DK GRAY, DOSI FAINT LM												
	242.00				242										242.0				
						242.40 BR - COARSE BLEB SD; 20% SX; SL = GL > PY - FAIR			242.40 —										
						242.50 ~ LC = MID 2 ZONE													
			3.0	100	243	WK FR SD; CHARACTERIZED BY 1-5CM QZ QZ-SD & SDVT ~1/0.5-1m; TRACE GL IN 1-2MM FP & SDVT	20°								T9164	0.44	0.51	0.24	<0.01

A90-0656

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-7 Page 18 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					243													
						244.0 - 244.32 & 245.47 - 246.0 - MED DK GRAY SM. DOLOSILTITE BEDS	25°	45°S									
					244													
	245.00				245									245.0				
						245.36 - SD: FR 2 VT 2-20MM; QZ & SDVT-10MM SLINVT. WK-3CM BR-VT'S IN FP. 1-2% SL. MINOR GL&PY	25°	60°S									
						245.65 - 5-7% SD 2-8MM AV 3-4MM												
					246	246.0 - 247.7 - MEDIUM LIGHT GRAY V. FINE SAND DOLARENITE, MT.												
			3.0	100		246.25 - V WK SL/CL												
						30% SD QZ & QZ SDVT & VN - 3MM - 10CM SDVT DCR TO 10MM D/S. MINOR GL								T9165	0.37	0.50	0.24	<0.01
					247	247.10 - NOTE SD CUTS QZ (EARLIER)	D/S 247.7 - SM. MEDIUM LIGHT GRAY WAVY LM. V. FINE SAND DOLARENITE											
						247.60 - WK FR - 10MM SDVT & QZVT TRACE GL & SL												
	248.00				248									248.0				
						248.8 - 251.4 - MED DK GRAY RARE FAINT LM (LIGHTER COLORED - CLEAN)	~0°	60°									
					249	DCC SOFT SED DEFORMATION DOLOSILTITE WK. MT STRUCTURE;												
			3.0	100			40°	60°										
					250	250.15 - BR - UC - SH & BK QZVT & HEAVY SD AT LC 10CM COARSE BP WEAK IN BLEB SD. WEAK-FAIR SX; MYGL		60°						T9166	0.37	0.54	0.43	<0.01
	251.00				250.50 -									251.0				
					251	1-2% SD FR & VT 2-10MM AV 3-4MM	251.4 - 252.33 - SM. DOLOSILTITE - AS ABOVE. FAINT GRAY ZEBRA LM											
						OCC 5-10MM VT WK SL, GL & PY		~30°	35°S									
					252	NOTE - ICR QZ OCC QZ ONLY VT - IN FW & BDJE	D/S 252.33 MED TO MED DK GRAY. DOLO - SILTITE (AS ABOVE). FAINT LM LIGHTER COLORED. V. FINE GRAINED DOAR. NEAR UC - <3CM BD - SM. OCC								T9167	0.31	0.70	0.21	<0.01
			3.0	100		253.10 -												
					253	1/3-5CM 5-15CM AV 8MM QZ-SDZ QZVT. FAIR-MOD GL-PY. MINOR SL	<4CM VAGUE INTERCLASTS		60°									
	254.00				253.25									254.0				
					254				50°									
						1% SD DCR D/S 3-8MM AV 3-4MM QZ & SD-QZVT												
						QZVT = SDVT												
					255				55°									
			3.0	100										T9168	0.16	0.30	0.34	<0.01
					256	255.95 -	±257 D/S ROCK ABOVE BECOMES LIGHTER IN COLOR - MEDIUM LIGHT GRAY & SLIGHTLY COARSER GRAINED - COARSE SILT - VF SAND		55°									
	257.00					MAINLY FR SD OCC 3-7CM SW BAND; 10.5M 5-20MM AV 8MM; SD & QZVT; OCC VT WEAK												
					257	FAIR. CL MINOR SL			60°					257.0				
						257.0 - AT UC QZ FR & BLEBS 1-2MM; 10CM LC												
						267.36 - SDQZVT 3-8MM. MOD. GL & PY & SL												
					258													
						SEE NEXT PAGE												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-7 — Page 19 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					256	AT UC - FR SD, D/S FE - STRONG PY WK CL BLEB & VT 4-20 MM; OCC VT < 5 MM WK CL												
			3.0	95														
					258	258.8 BR-VN - STRONG @ 2 SD; MOD PY > CL ICR LC		65°						T9169	0.87	0.96	0.38	< 0.01
						259.0 LARGE CLASTS - 10% MATRIX WK FR SD / NEAR LC 6 CM BR - 10% SD BF												
	260.00				260	259.52 UC - COARSE BR - 70% BF SD LC - 20 CM FINE BR - WK PY & CL								260.0				
						260.10 D/S 260 - DOLARENITE - MED GRAY - MED LIGHT GRAY & TAN, WAVY LM												
						WK FR SD ~ 1 0.5 M VT - BLEBS 5-30 MM SD > QZ; OFTEN FAIR CL > SL & PY; FINE - MED SAND,		50°										
			3.0	100	261									T9170	0.86	0.88	0.31	< 0.01
					262	261.95 DC - 5 CM BR - OXD - PY > CL; D/S FAIR TO 8 MM SD - QZ VT WEAK LT > SL > CL	D/S 261 AS ABOVE - LIGHT COLORED CLASTS UP TO 1 M BANDS; ROCK DARKER TO 10 CM BANDS - TAN, DOAR (AT 260 THESE WERE LM, OFTEN LOOKS	65°	60°S								
						262.13	CONTORTED BD - SOFT SED SLUMP	20°	60°S									
	263.00				263									263.0				
						QZ VT 1 0.5-1 M - 5 MM - 20 MM AV 10-15 WK - FAIR FR TO 8 MM VT AV 3-4 3-4 MM SD VT - BARREN - FAIR CL > SL												
					264		D/S 264.07 - MEDIUM LIGHT GRAY DOLOSILTITE, RARE FAINT LM, BELOW SLIGHTLY LIGHTER IN COLOR AND COARSER GRAINED & MOSTLY	25°	75°S					T9171	0.16	0.22	0.09	< 0.01
			3.0	95	265		INTERCLAST - SOFT SED DEF.	15°	75°									
	266.00				266	265.86 - 12 CM SD > QZ VN WK - FAIR GL & SL								266.0				
						V WK FR SD; < 0.5% - SD & QZ VT AV 4-6 MM	267.40 - 268.65 - UC - BASE INTER		65°									
					267	5% SD VT 1 30-100 CM SPACING, VAR % WK-OCC MOD GL - SL	CLAST: AS ABOVE ONLY DARKER COLOR MED GRAY - AT TOP V FINE LM & DS							T9172	0.13	0.13	0.06	< 0.01
			3.0	95			LM. WIDTH ICR	30°	60°									
					268		D/S 268.65 - BACK INTO ROCK AS D/S 264.07											
	269.00					268.60	MFD LIGHT GRAY DOLOSILTITE; OCC - RARE FAINT LM; 270.0 - 270.6 - PATCHES		65°					269.0				
					269	V WK SD FR - 3 MM VT NEAR LC ICR 5% IN 3 & 15 MM	IO 3 CM TO 1/2 CM BALL - STRONG OOLITIC; BELOW 270.4 SLIGHTLY DARKER											
						VT - FAIR - STRONG 5% CL > SL > PY	IN COLOR, & ICR LM & LM - 1 CM BEDS & OOLITIC TO 272.85; OOLITES V FINE	25°	55°									
			3.0	95	270	270.25 - 10 CM VN - BR SD STRONG SL	TO FINE SAND;							T9173	0.88	0.47	0.18	< 0.01
						270.67 5% BR - VN TO 3 CM - MOD 5% SL > PY > SL												
					271	< 270.85 ~ 10% SW SD 1-5 MM VT & UP TO 20 MM BLEBS; MINOR 5% AT TOP SW DCR D/S;	272.85 - REPEAT CYCLE > BACK TO MED LIGHT GRAY, RARE LM AS AT 269.07												
	272.00				272	272.09 - 22 CM SD > QZ VN - AT UC - 3 CM FAIR PY, TRACE CL - SL		20°	55°					272.0				
					273	SEE NEXT PAGE		15°	55°									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B'-T — Page 20 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					273	D/S 272.85 - LGHT GRAY DOLOSILTITE, WEAK - FAIR PLANAR LM; COARSE												
			3.0	95	274	SD 1-2% (WEAK) - FR & 2-10MM AV 2MM 15M TO 10MM QZ/TR-NIL SD VT RARE WK CL IN SD VT — GRIT AT 275.85 FAIRLY SHARP COLOR CHANGE TO GREENISH GRAY & FINE GRAINED FINE-V FINE SILT; D/S 276 TRN TO MED GRAY	25°	45°S							T9174	0.22	0.07	0.03	<0.01
	275.00				275	AT 274.73 - 2CM BR VN - 50% BF - STRONG SL (10%) MINOR GL & SL	30°	55°S							275.0				
					276		26°	55°S											
			3.0	90										T9175	0.05	0.17	0.06	<0.01
					277		25°	65°S											
	278.00				278	277.70 — AT UC - 10CM BR - SD MATRIX D/S POORLY DEFINED 10 & 60 CM BC WITH ST BF; TRACE SX — D/S 278.8 - START OF NEW CYCLE AS SEEN AT 272.85' TO 279.35 MED LIGHT GRAY DOLOSILTITE AT TOP DARKER D/S & LOOKS INTERCLAST WITH LOWER UNIT		55°							278.0				
					279	278.53 — WK - FAIR VT - QZ VT & SD VT; 1-20MM D/S QZ & 1-10MM SD VTS; WK - OCC STRONG SX, SL > PY > CL	25°	60°S											
			3.0	100			20°	55°S						T9176	0.36	0.25	0.09	<0.01
					280	279.95 — (SEEN PREV.): D/S LIGHT COLOR LM (CR) TO 10MM & BOCK LIGHTER IN COLOR TO 280.1 —	15°												
	281.00				281	V WK SD VT 1-5MM AV 2MM RARE VT WITH GL — 280.7 D/S AT UC MED DK GRAY, U FINE LM DOLOSILTITE & D/S	30°	55°							281.0				
					282	<3CM PALE - DK GREEN BD; D/S 282 - MED DK GRAY & INTER LM WITH GREENISH GRAY DOLOSILTITE - LM - TO 5MM HIGHLY CONTORTED	30°												
			3.0	100										T9177	0.04	0.20	0.08	<0.01
					283	283.03 — SOFT SED SLUMPING & STRONG MT STRUCTURE TO 285.65	20°	75°											
	284.00				284	WK FR SD; 3-15MM SD VT & AV 3-FAIR QZ VT 10-15MM ~ 1/0.5-1M OCC SD VT - MINOR GL & SL 284.75' UC - 5CM SD-QZ VT	0°	70°							284.0				
					285	285.00 - FAIR DY SL > CL; LC <1CM STRONG SL > PY > CL — D/S 285.65 - MED GRAY DOLOSILTITE FAINT LM & OCC <1CM PDED CLASTS 10 & 30CM MED LIGHT GRAY DOST													
			3.0	100										T9178	0.32	0.20	0.12	<0.01
					286	WK - 2-4% SD VT AV 3MM D/S 286.3 TO LC - <3CM BR - SD & STRONG SL IN 10MM SD VT — BDS													
	287.00				287	286.86 - NOTICEABLE DCR. FR VT SD D/S	15°	50°S							287.0				
						SD FR RARE 1/3M TO 7MM SD VT NEAR LC - FR & BLEB PY	30°	60°S											
					288														

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-7 Page 21 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					288	D/S 288.90 - LIGHT-MED LIGHT GRAY. DOLOSILTITE: DARKER												
			3.0	100		SEE PREV PAGE — PLANAR LM OCC. TROUGHS WITH XBD; MOD-STRONG ST	10°	65°S						T9179	0.18	0.19	0.16	<0.01
					289													
	290.00					281.61 8cm BR-AN 1CM ANGULAR CLASTS 10%-15% PY. MINOR SL2CL	20°	60°S						290.0				
					290	EXPRESSD FR												
						290.60 2-10CM PY-SDVT — D/S 290.85 TRN AS ABOVE DOSI DARKER, COLOR MED GRAY (ICR MOD) LM CONTORTED - SOFT SED SLUMP;	20°	65°S									
			3.0	90	291	<1% FRSD. AT 291.38 10CMQZSDVN; WKPY								T9180	0.17	0.17	0.14	<0.01
					292		30°	45°S										
	293.00					292.8-15CM BR-QZ-SDBE — D/S 292.38 AS ABOVE MED LIGHT GRAY ST STRONG DOLOSILTITE TO LIGHT OLIVE GRAY - DOLOSILTITE TO DOMR LM 2 EXHIBITS OCC WK SLUMPING	15°	65°						293.0				
					293	LC-4CM FAIR PY2ZCL — 1 RIP DBS.												
						SX VT-1-7MM & 1DP TO 20MM SD-SX VT												
					294	PY STRONG-MINOR CL2SL', ~1/7-10CM	25°	70°										
						293.80												
			3.0	95		VVWK FR 35° - 1-2/m 3-8MM SDVT								T9181	0.66	0.15	0.24	<0.01
					295	STRONG PY, MOD SL, WK CL	20°	30°S										
	296.00				296		25°	35°S						296.0				
						296.44												
						QZ-WKSD VN-4CM-1% — 274.4 D/S AS ABOVE TRN TO MED GRAY-MED DARK GRAY ICR MUD & OOLITES -V												
					297	1 FLSD QZVT; PATCHY FAIR	20°	60°(S)										
						297.08 - M, SL2CL — FINE SAND-DISSEMINATED; CLASTS, -SLUMP STRUCTURE & INTERCLAST.												
						297.72 — F1 SX-SDVT 1-8MM & FZ												
			3.62	100	298	297.92 1-5CM SD-QZ - FAIR PY — FAIR ST	20°	55°S						T9182	0.56	0.16	0.34	<0.01
						MINOR SL2CL												
						299.10 TRN - MED LIGHT GRAY DOLOSILTITE												
						5-20MM SDVT AV 5MM — AS PREV SEEN, FAINT LM												
					299	1 30-100CM: STRONG SX<5MM	20°	55°										
						1 WK 20MM; PY STRONG-MOD SL2CL												
	299.62					299.62 END OF HOLE								299.62				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-8 Page 1 of 8

ELEVATION 1779.31m — DRILL CONTRACTOR E. CARON — CORE SIZE NQ TO 108.81 BQ TO 119.02 — TOTAL DEPTH (m) 118.87 m

COORDINATES 19,972.28N, 10,501.82E — LOGGED BY M.P. PHILLIPS

HOLE STARTED JUNE 29/90 — COMPLETED JULY 4/90

SURVEY/DEPTH	COLLAR	102.7			ZONE 5,6,7&9
DIP	-50°	-49°			
AZIMUTH	35°				SECTION 10,500E

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TAKE METRES	COMMENTS	CORE ANGLE ⊕ BEDDING	CORE ANGLE ⊕ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	TZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					0	CASING 0-4.0m.													
					1														
					2														
					3														
	4.00				4											4.0				
						DOLOSILTITE - MED DK GRAY V FINE (DOMP); FAINT THIN LM <1MM; SPAR WORMY TEXTURE														
			3.0	95	5	WK (1%) SD MAINLY AS 1-2MM FR W BEDS PACED 1/3m - 10MM VT WK LT, UIL SX		60°								T9183	0.07	0.10	0.03	<0.01
						4.47 - 4.75 INTERCLAST - <1CM. REVERSE GRADED														
					6	4.75 - 5.55 - DOLOSILTITE - MED LIGHT GRAY, FAINT LM SS; SPAR WORMY WK & MOT; NIL - STRONG SI; NEAR LC	45°	50°S											
	7.00				7		50°									7.0				
						5.55 - 6.90 - DOSI - DOMP - MED DK GRAY REDDISH; STRONG SPCB - 10 DRMY; BLEBS; 55°														
					8	8.2 D/S 10CM - 1-3CM SD VM - STRONG GL MINOR PY & SL; 1 X; JCT F12 F21?)	45°													
			3.0	100		6.90-8.30 DOLOMICRITE - SILTY AS TOP FINING D/S; MED GRAY & GREENISH GRAY; 10CM BED SI @ MED SAND OOLITES; D/S LM - MINOR OOLITES (REPLACED DO) & WEAK SS. LC - 10CM SI OOLITIC	50°	45°S								T9184	0.04	0.16	0.06	<0.01
					9	WK (2-3%) SD: FP & VT 2-5MM AV 2M MOST SUB 11 X TR GL.														
	10.00				10	10.06 POORLY DEFINED - TO 30MM BE - SDDF SUB 11 X; TRACE GL	55°	40°S								10.0				
						D/S 8.30 - DOLOSILTITE - DOLOMICRITE MED GRAY. LM - 0THN BD PLANAR. V FINE SILT - MAY BE TRN TO DOMP; LC - INTERCLAST; IN PLACES SI														
					11	10.23 VWK (<1%) SD MAINLY FP	60°	35°S												
			3.0	95		8.85 - 9.10 - 65° WK OOLITIC; 8.30 10CM SI OOLITIC										T9185	0.01	0.03	0.01	<0.01
					12	11.84 - 12.40 MEDIUM LIGHT GRAY INTERLM FINE SAND DOAR & FAIR OOLITIC & MUDS (DO?)		50°												
	13.00				13	D/S 13.0 - PCC WK BLEB & CRACKPY	60°	F2-25°S F1 50°S								13.0				
					14	13.85 D/S SLIGHT ICR F1 VT	50°	65°S												
			3.0	90		WK SD 1% ICR IN F1 1/05 - 1M, 2MM - 5 AV 2MM - FAIR LT & GL - BEST MIN 2 OVD										T9186	0.10	0.14	0.06	<0.01
					15	SD VT ICR TO LC	50°	60°												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-8 Page 2 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					15	DOLOSILTITE - DOLOMICRITE - AS PREVIOUS - DARKER COLOR DUE TO ICR MUD; VARIABLE SI - WK TO MODERATE													
	16.00				16		50°											
					17	16.97 - 10CM - LARGE BLEB SD - 50% SDR // & W/ < 5MM RIM AT CUTS FAIR-MOD LI & CL	50°	50°S											
			3.0	95										T9187	0.26	0.25	0.11	<0.01
					18	18.58 - 10CM OOLITIC DOAR. - FINE SAND	40°	65°										
						WK SD (<1%) - SDVT 1-10MM AV 2MM // WK LI; WK. BLEB-CRACK PY-LI ZONE - WK SDVT MIN 2 - CRACK BLEB (1CM) PY													
	19.00				19		60°											
						19.51 - 20.70 - WIDE SPACED 5MM - 3CM BANDS OOLITIC & 2 TO 8CM BD OOLITIC DOAR - FINE - MED SAND													
					20		50°	55°S										
			3.0	90		20.75 - 23.40 - INTERBEDS 2 - 8CM OOLITIC DOAR - MED-COARSE SAND;								T9188	0.02	0.06	0.03	<0.01
					21		50°	60°S										
						COMMENTS - POST & DOMP - VARYING SI - WK - STRONG												
	22.00				22		50°	50°										
						23.17 D/S - CHANGE ROCK-COLOR; AT UC BLACK WK LM DOMP. 2 D/S. BECOMES SLIGHTLY LIGHTER IN COLOR (DCR MUD) AND STRONG DELICATE LM - FAIR SI ?													
					23		55°											
			3.0	100										T9189	0.03	0.22	0.10	<0.01
						DOLOSILTITE												
					24	24.30 - 2 - <2MM SDVT - MINOR SL	55°	60°S										
						25.23 - 26.00 DOLOMICRITE/SILTITE - MED GRAY V FINE SILT, NON SI: STRONG WORMY, SPAR CONC ALONG BB(?) - CRYPTO-ALGAL;													
	25.00				25		50°	55°S										
						25.30 - 5MM SDVT HEAVY CL; OXD FAIR LI & HZ												
					26	<2% SD - MAINLY FD & WK F1 <3MM MOSTLY 0-30° //	55°											
			3.0	95										T9190	0.05	0.21	0.10	<0.01
						26.75 -												
					27	VV WK SD; MINOR FD & 4-8MM SDVT ~1/3M // RARE BLEB-CRACK PY-LI	45°	60°S										
						D/S 26.75 DOLOSILTITE - MED LIGHT GRAY PLANAR LM OFTEN SS & NARROW INTERCLASTS <4CM; INTERLM & U THIN BED OF DOMP. MUDS. ? COLOR VARIABLE GREENISH GRAY TO DARK GRAY													
	28.00				28		55°											
					29		55°							T9191	0.02	0.05	0.07	<0.01
			3.0	100														
					30		50°	70										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-8 — Page 3 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Au %
					30														
	31.00				31		45°	70°							31.00				
			3.0	100	32	32.45 - 10CM BAND SM - 5MM - 5CM INTERLM & V THIN BEDS	45°	55°							T9192	0.19	0.52	0.22	<0.01
					33	32.85 - D/S SLIGHT ICR IN SD VT & PY. 33.10 - 34.10 SM DOMR² POORLY DEVELOPED, LM - V THIN BEDS DOMR COMMON: LC TRN OVER 10CM	55°												
	34.00				34	~1% SDVT - 2 - 6MM AV 4 - 5% SDVT 15 - 70CM AV 40CM SPACING. VARY WK - STRONG CL - BETTER SV - OXD. 34.60 — — LC. MIN/Z SDVT	45°	60°S							34.00				
			3.0	90	35										T9193	0.08	0.32	0.12	<0.01
					36	VV WK SD FR & RARE 1/3M SPACING VT SD < 5MM. NOTE OFTEN FR - F2 ~ 15° & - THIS FEATURE SEEN SINCE	50°	50°S											
	37.00				37	TOP OF HOLE: WK LI (PY) IN FR & SD VT; SD < 0.2%	45°								37.00				
			3.0	95	38	D/S 38.1E - TRN CNT - INTERLM. LIGHT GRAY - CLEAN, DO SILTITE & DARK GRAY, MUDDY SILTITE - DOMR(?) D/S	50°								T9194	0.08	0.14	0.06	<0.01
					39	38.71 ICR SD & LI - PY PROMINENT <0.5% SD: MAINLY FR < 2MM & BLEBS ON FR; CRACK & BLEB LI - PY FAIRLY COMMON F2 WEAKER F1	30°	15°S F2? 70°S F1 15°F2											
	40.00				40										40.00				
					41	D/S 40.5 - ICR COARSER & LIGHT GRAY BD & LM - DO? APENITE RARE GRAY < 4CM MUDS - DOMR BEDS WE HIT IN < 10CM & D WIDELY SPACED AT 41 - 2MM VT W WK CL & HZ													
			3.0	95	42	41.73 UC ± 10CM BR - BLEB NCL F1 & F2 - DXD, STRONG CL & LI ~5% SD - BLEB CRACK VT < 3MM - DLI DOR D/S: ICR NEAR LC	45°	60°S							T9195	0.65	1.15	0.47	<0.01
					43	42.70 - 5CM SD VH - STRONG SD; MOD CL, OXD. < 0.5% FR SD 1-2MM - BDR LM - PLANAR - ; DO? APENITE - FINE SAND 43.32 - 43.52 - SM; WK DEV; HT TEXTURE	40°	55°S							43.00				
					44		50°	55°S											
			3.0	95	45	44.12 ACM - SD VT; OXD FAIR CL & LI, WE HZ AT UC 2-3% FR & SD VT - AV 3MM WK OCC STRONG LI (PY) & D/S 45.11 SD DOR < 1MM BUT OFTEN MOD - STRONG LI	40°	60°S							T9196	0.16	0.52	0.21	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-8 — Page 4 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					45	ED D/S 46.0 - NON SI-D/S - CHANGE FROM SILTITE TO DOLOSILTITE? STILL												
	46.00				46	LM - VTHIN BD; ROCK MED GRAY V FINE SAND, LM DK & LIGHT DOAR - RARE < 5CM BAND MOD SI	45°							46.00				
						D/S 46.85 - ICR BLEB & FR LI (PY)												
					47		30°	50°S										
			3.0	100		47.40 — 47.40 — 48.30 - DOLABEDITE - FINE - MED SAND; COARSENING D/S.								T9197	0.11	0.20	0.09	<0.01
					48	FAIR FZ - SD VT < 2MM & FC F NEAR LC - VWK BC 22°CM.	45°	55°S										
						48.0 ≈ 0.5% SD · FR; ICR LI NEAR LC												
	49.00				49	48.80 — WK SW (F1 > F2) - DC SD - TR CL FAIR LI	30°	65°S						49.00				
						LC - 10CM. F1 & F2 JCT - OXD STRONG												
						49.10 CL PY & HZ; 5% GL 49.08 D/S 18CM DOAR - MED SAND.												
						49.75 1% FR - 2MM VT SD WK MT												
					50	FAIR SW - 60° F1 & 15-30° FC; 5-10MM 50.02 - 10CM: DOAR - FINE SAND.												
			3.0	95		SD VT 15-30MM BR; OXD; FAIR-MOD CL								T9198	0.90	1.90	0.85	<0.01
						50.75 (HEAVY LI, FAIR HZ; GL-3%, SL-H2-2% SD VT ~1/10CM												
					51													
						VWK (<0.3%) FP SD. D/S 51.85 - LM WEAKENS OFFBALL	30°	55°										
	52.00				52	COARSER GRAINED BDS; MED LIGHT COMM -MED GRAY LMP. THIN BD; NON SI								52.00				
						V FINE SAND DOAR / DOSI		60°										
					53	53.0 — — — —												
			3.0	90		UC TWO - TO 15MM SD VT - BE FAIR GLX D/S JD DCR FROM 2-3MM VT TO WK FP	30°	55°S						T9199	0.80	2.14	0.74	<0.01
					54	54.00 — — VT 1CM SD & 4CM BR (JCT F1 & 2) SPACED 1/20CM TO MOD-STRONG GL & LI; STRONG OXD												
	55.00				55	INTER VT & BR - STRONG FR SD, FAIR LI IRREGULAR WK GL, ~19° GL								55.00				
						55.11 — —												
					56	NEAR UC 3-5% FR TO WK 5MM SD VT SD DCR D/S & VT < 2MM & FR SD WEAKEN MINOR GL AT TOP, FAIR LI THROUGHOUT												
			3.0	90		D/S 58.0 - MUCH AS ABOVE OLDY		60°						T9200	1.39	0.89	0.29	<0.01
						56.73 — — FAULT? 25° BD CRAM DOLAR; MED CRAM - LM (DARK COLORED - MUD) FINE	45°	45°S										
					57	HIGHLY FR & DCR D/S DOAR - COARSE SILT DOAR - D/S												
						WK 1-2% FR SD 61 - MED GREEN DOMR - MUD S BD												
						57.55 "												
	58.00				58	19C FAULT ZONE	50°	60°S						58.00				
						TRN 58.13 — FAULT - 55° & SH - FINE BR OXD - SD ISH; TR CL, MINOR LI												
						58.60 — — TRN FAULT												
			2.0	90	59	SH & ALT BR & NODES - 5% SD - BF & YCVT & ISH - 55° &								T9201	1.43	1.26	0.44	0.02
						59.60 — — LC FAULT & INE												
	60.00				60	60.00 TRN 5% SD F1 GRN - STRONG FRV								60.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-8 Page 5 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					60	WK FR SD; TO 60.6 TO 4MM SDVT WITH OCC FAIR-WK GL-OXD												
							25°	25° F2 // BD 60° F1										
			3.0	80	61	I 62.3 - 63.0 - MED GREEN MUDS.								T9202	0.60	0.39	0.14	<0.01
							30°	70°										
					62	I 62.30 - UC - CORE BROKEN												
	63.00				63	MOD-STRONG FR; WK < 1% SD VT < 2MM A FEW NARROW WK BRC 2-3CM. BROKEN CORE INTERSECTION F1 & F2?								T9203	0.15	0.05	0.02	<0.01
			2.53	90	64	POSSIBLE FAULT ZONE 64.7 - 67.5 - GREEN SLCDAY. MUDS - DOMP, FAINT DK LM OCC PRESENT.												
					65	LA TO — TRN; FRG. DCR (SOFTER ROCK)	55°	40°										
	65.53					FAIR FR; <0.5% TO 2MM SDVT & FR								T9204	3.18	0.19	0.07	0.01
					66	66.53 — UC - 5CM BR - SDBF - MINOR CL 30°; LC 15CM OXD: EXTREME OXYSD VN ~ 35°												
			2.47	90	67	66.85 — ICR FR; CORE BROKEN TO LC												
	68.00				68	67.5 FAULT - 25° — 15% SW FR - 15MM SDVT								T9205	0.17	0.05	0.02	<0.01
						68.47 — FAULT 25-35° BR - CLASTS MUDS & DOLOMITE; 15% BLEB VT & FR SD		D/S 67.5 - MAJOR CHANGE? MED LIGHT GRAY TO MED GRAY DOLOMITE SI = FAIR-STRONG; U FAINT DK LM RARE WK MT < 10CM BANDS										
			3.0	80	69	68.83 — STRONG - 10% - 5MM SDVT - 25° (F2?) 69.25 —												
					70	V WK (<0.5%) SD FR; DCR D/S	55°	60° 15° F2S 70 F1S										
	71.00				71	71.10 — — — ICR SD VT								T9206	0.08	1.91	0.32	<0.01
					72	7-10% SD; VT - 2-20CM, MOST ~ 10MM WIDER THAN NORMAL 1-3MM VT W SPY OFTEN DONT X CUT CORE; A FEW FOLLOW F1 & THEN INTO F2; RARE TRACES GL												
			3.0	85	73	LC - 15 - BC - 45% TO 2CM SDVT ~ 2% GL, NIL SL & PY 73.2 - D/S - CORE BROKEN												
	74.00				74	FAIR FR; WEAK (<1%) FR - 2MM SDVT AT 74.3' HIGHLY BROKEN - MOD BREAK								T9207				
						74.63 —	55°	50° S										
					75	FAULT ZONE ±20CM REC AT UC - CLAY & FINE ROCK CHIP - FAULT PLANE D/S - INTENSE FR												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-8 Page 6 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					75	SEE PREV. PG												
						75.25 — UC-MOD. CRACK FR. & WEAKENS D/S; <1% 1-2MM SD VT — D/S 75.90 FINER GRAINED MED. GREEN GRAY, LOOKS DOMR W OCC. DOST TO 77.35											
					76			20° F2 65° F1						T9207	0.09	0.04	0.01	<0.01
	77.00				77	D/S 77.0 SLIGHT ICR SD VT 1 OFTEN WITH MINOR GL	45°	70°						77.00				
						77.42 — D/S ICR FR & SLIGHT ICRSD — D/S 77.35 - SIMILAR TO D/S 67.5m; MED. DK. GRAY DOLOSILTITE - OCC. NARROW BAND SLIGHT SI; WK DK. LIGHTER LM; LOK MT - STRONGER IN <1M BANDS; WK ST; AT 86.8 - LIGHTER IN COLOR, HAIR LIKE MOD. BD;										
			3.0	95	78	STRONG FR. - SOMEWHAT SW. 1 F2 - 30% AS STRONG AS F1								T9208	0.02	0.07	0.01	<0.01
					79	2-4% SD: BLEBS/CRACKLET & VT 2 - 30CM AU - 3-10MM OCC WK LI SEEN		20° F2 & F1?										
	80.00				80	DOST - APPEARS TO RANGE FROM COARSE SILT TO FINE SAND DOST/DOAP. DOAP		15 & 30° F2 & 55° F2						80.00				
					81	81.70 - 86.4 - SM ÷ WEAK(?)												
			3.0	95		86.4 - 88.10 - SM? - WISPS - MOSTLY SM;								T9209	0.01	0.03	<0.01	<0.01
					82													
	83.00				83		45°	60°						83.00				
					84	83.92 — D/S ICR BUT WK SX IN 2.5MM VT SD WK FR SD & 1 0.5m 30° (F2) SD VT WITH WK - FAIR GL;		30° 55°										
			3.0	85										T9210	0.04	0.06	0.01	<0.01
					85	85.10 —	40°	30° F2 (SX) 55° F1										
	86.00				86	V WEAK (<05%) FR. SD; FAIR CRACKLE FR. 86.37 - 87.60 - BROKEN CORE - MOD FR.		30° F2 60° F1						86.00				
					87			45° F2? 60° F1										
			3.0	75										T9211	0.04	0.05	0.02	<0.01
					88	87.85 D/S ICR SD VT		25° F2 60° F1										
	89.00				89	SD: FAIR FR. BANDS W UP TO 20% SW AU 8MM & VT TO 50MM OVER UPTO 70-M WIDTHS; MOST NP CORE CUTTING		30° F1? F2??						89.00				
					90	CASH FILLING & OFTEN DISPLACED BY FRC NOT USUAL F1 BUT 0-35° F2		50°? FLT?										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-8 Page 7 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CD %
			3.0	50	90													
					91			50° F1						T9212	0.03	0.04	0.01	<0.01
	92.00				92	AT 91.15 - SULFOSALT? INSD 91.85 - 3CM BAND - OOLITE BD LOOKS LIKE GL BUT W BDNG - GHOSTS - NON SI CLV		60° F1?						92.00				
					93	93.3 - 95.71 SM - WEAK - IN DOAR		55° F1?										
			3.71	60	94			55° F1?						T9213	0.03	0.03	0.01	<0.01
						94.49		60° F1										
					95	94.98 REC 0.45m 0.08m RECOVERY												
	95.71					95.71								95.71				
			0.79	?	96	MAJOR FAULT — VEINED SAND-SILT								T9214	0.41	0.75	0.37	0.01
	96.50					96.50								96.50				
					97	96.50 D/S DOAR - MED GRAY, FINE-MED SAND WISPS? - SM? - ST - WEAK		65°										
						WK (1-2%) SD FR & VT TO 2MM AV 4MM; MOST VT LOW ∠ 1 IRREGULAR WIDTH													
			3.0	93	98	97.68 - 98.75 - TO 1CM CLASTS? (ST)		60°						T9215	0.03	0.13	0.03	<0.01
						D/S 98.75 - UC BEDDGN CORE WK CY ON F1												
					99	98.75 - ±100.4 SM - WEAK		50°						99.50				
	99.50					100.40 - 103.40 - SM - WK WISPY - MOTTLED COLOR - DOAR OCC DOST												
					100			50°										
						100.43												
			3.0	70	101	BR - SD BF 2 SW - WILSX MOST SD VT LOW ∠		45°						T9216	0.07	0.05	0.01	<0.01
						101.25												
					102		20°	45°S										
	102.50													102.50				
					103	D/S ±103.40 - MAJOR CHANGE IN ROCK TYPE												
						103.40												
			3.0	35	104	V WK SD VT - VT ∠ 4MM SILTSTONE - LIGHT OLIVE GRAY, FINE SILT - PY?	30°	60°S						T9217	0.05	0.09	0.01	<0.01
								40°S										
					105													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-8 Page 8 of 8

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE
	105.50				105	SILTSTONE.		
					106	105.95		
			2.0	40		HIGHLY BROKEN - 0.47m RECOVERY; FAULT		
					107	P1 SILTSTONE - MED GRAY & MED DK GRAY LM - MED TN; N P.D. PLANAR OCC		
	107.50					107.47 SHALL TROUGH		
					108	1-2% SD - FR TO 1-2MM SDVT	20°	45°S
						SDVT F1 & F2? - 0.25%	45°	65°S
			3.0	93	109	OCC - 1-2CM SDVT - BR; FR - MAINLY F1 & VT - F1 (WEAK)	50°	45°S
						1/3M ≤ 10MM WK BR - ON ONE DISPLACEMENT P.D - 5 CM		
					110		55°	65°S
	110.50							
					111		55°	25° F2
			3.0	95	112		60°	25° F2 55° F1
					113		50°	85° F1 65° F2
	113.50							
					114		45°	10°S F2 55° F2
						114.25 - CUT AT SDVT D/S CORE MOD. BROKEN; WK CY ON FRC	P1 D/S 114.25 - SILTSTONE - MUDS - SI = HGH. LIGHT OLIVE GRAY; V FINE SILT - CLAY;	
			3.0	75	115	115.37		
						115.70 STEPPING CRACK FR	116.70 - 117.0 - AT UPPER SECTION - CLASTS SH - OOLITIC D/S SILT & MUDS BD; MT? FAIR	
	116.50				116			
					117	117.0 - D/S CORE HIGHLY BROKEN	117.0 - 118.23 - MOSTLY DOST (G2) MINOR SILTSTONE - FAULT ZONE	(P1)
			2.52	45	118	BC - WK SDBF BLEBS & VT WK CY ON FR; MINOR BLEB/LI (PY)		
						118.23 - D/S BETTER CORE	118.23 - 119.02 - MY (CONT.) - LIGHT OLIVE GRAY SILTSTONE	
	118.87					119.02 END OF HOLE ABANDONED		

SULPHIDES % / MODE						SAMPLE NUMBER	ASSAYS				
SL	GL	CP	TT	PY			Zn %	Pb %	Ag OPT	Au %	
						105.50	—	—	—	—	
						T9218	0.05	0.07	0.02	<0.01	
						107.50	—	—	—	—	
						T9219	0.50	0.16	0.04	<0.01	
						110.50	—	—	—	—	
						T9220	0.27	0.12	0.04	<0.01	
						113.50	—	—	—	—	
						T9221	0.07	0.03	0.01	<0.01	
						116.50	—	—	—	—	
						T9222	0.17	0.09	0.05	<0.01	
						118.87	—	—	—	—	

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-9 Page 1 of 16

ELEVATION 1778.55m | DRILL CONTRACTOR E. CARON | CORE SIZE | TOTAL DEPTH (m) 224.03

COORDINATES 19979.03N; 10202.03E | LOGGED BY M.P. PHILLIPS

HOLE STARTED JULY 4 | 90 | COMPLETED JULY 8 | 90

SURVEY/DEPTH	COLLAR	117	224		ZONE 2,5,6,7&9
DIP	-51°	-45°	-41°		
AZIMUTH	035°	028°	022°		SECTION 10,200E

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL GL CP TT PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				0	CASING 0-6.91m 0 RECOVERY								
0.91				1	0.91				0.91				
		2.08	40	2	FAIR SD (3-5%) - WEAK SW-BC VT TO 5MM; FAIR FRV-F1 - MED LIGHT GRAY, DOLOSILTITE - FINE-MED SAND & D/S, FINER GRAINED V.F SAND-COARSE SILT-DOSI; FAINT ≤ 3.5MM-DOHP D/S 3.5 DOSI%				T9223	0.19	0.19	0.07	<0.01
					2.74								
3.00				3	V.WK FBSD (<1%) FAIR ~5MM SDVT MOSTLY 0-20° > F1 SDVT VT - WISPY & RARELY PLANAR		15°S 05°F2		3.00				
		3.0	70	4	0.91 - 4.27 WK. MT.	~5°	65°S		T9224	0.06	0.05	0.02	<0.01
				5	5.3 - 0.2M PATCH OO		55°S						
6.00				6	6.4 - 25CM BAND FAIR PATCHES <3CM OOLITES - SI HIGH	~0°	50°S		6.00				
				7	7.15 D/S CORE BROKEN & FAIR CHONTE -	0°	55°S						
		3.0	90	8	FAIR-MOD F1 & F2, WK SDVT IRREG & MOSTLY F2 ' MINOR LT (5%') IN SDVT - 7.3-12.6 VARIES FROM DOAR - V.FINE-FINE SAND W BEDS OF COARSE SILT. LOOKS CYCLIC DOAR TO DOSI		60° 20° F2 65° SF1		T9225	0.18	0.07	0.03	<0.01
9.00				9					9.00				
				10	9.3-10.20 - UC & LC BR & STRONG SD BE - 8.0-8.6 IC - FAIR SP - 12.6-13.7 DOAR - F-MED SAND LIGHT GRAY COLOR - NO W LM		25° F2 50° F1		T9226	0.16	0.05	0.02	<0.01
		3.0	75	11	11.00 — FAULT ZONE - UC-5CM & LC 15CM BR STRONG CYD MOD LT ON LOWER BR		70°						
12.00				12	11.43 — STRONG FR - WK SDVT - Ø MINOR LT (5%) 12.10 — D/S FR DCR & BETTER CORE REC. FAIR - MOD F1, F2 WK SD ≤5MM ON F2		25° F2 70° F1		12.00				
				13	13.45 D/S ICR F2 SDE LL (5%) WK-FAIR FRV Ø STRONG F2 RESULT IN ~3CM BR Ø FAIR CHT (5%') - OXD STRONG		20° F2 60° F1		T9227	0.15	0.15	0.06	<0.01
		3.0	85	14	13.45 - UC SM TO 17.70 - FAULT CUT AT 17.0 OO LM - LC SM? - INTO BR. - ROCK ALTERED TO 17.75 - LOOKS SM - UNCUE BD - LM								
					14.20 — ET BONE CRACKLE FR. 14.45								
15.00				15	SEE NEXT PAGE				15.00				

CERT NO - A 9018935

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-9 — Page 2 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag DPT	CU %
					15	ALT BANDS = 15CM DK AT JCT STRONG F1 & WEAKER F2 (LOOK) & BC BANDS, FAIR LI 14.90 — MOD OXD			-14.90										
						BR — HIGHLY OXD; LOOKS BC W PY VT AT TOP & D/S STRONG F1 BR W STRONG GL AT BTM 25CM			0	10 +	0	0	0	<03	C					
						BR CLASTS 2TCM; WK BLEB SD; GL - ODD XLS	0°	60°											
					16	15.93 — — — —			-15.93											
			3.0	95		WK FR SD; 1 80CM TO 2CM BR W SD 1 FAIR CL 1 LI - OXD										T9228	0.89	12.60	4.99	0.06
						16.65 — TRN / DC JCT F1 & F2; CLASTS 1-5CM TABULAR			0	20	0	0	0	5?	C					
					17	BR: 1 ~80%; CLASTS NOT ROTATED; BC ZONE; F1, F2														
						17.35 — FAIR CL - 3% 1 MOD. LI														
						BR - FINE - 50-70° 5 2 1CM; STRONG GN ~ 60°														
						HEAVY - UFINE GL - ICR TO LC - 30% - STRONG HZ & LI														
		18.00				17.75 — LC - JCT F1 & F2 — —			-17.75											
					18	BR - BC AT TOP; F2 > F1 & BETTER SX COARSE CLASTS TO 15CM; BMATRIX ~ 20:30% FAIR BLEB SD; CL ICR D/S STRONG HZ COATING; MINOR SL OXD		55°	1 + <SD	5	0	0	0	5? <SD	C					
						18.73 —			-18.73											
						UC - 7CM COARSE SD VM - 25% F2 & D/S 19.0 TO 19.20 - 2CM W STRONG GL OXD		60°												
					19	19.20 —			<05	2	<SD	0	0	0	1	C					
			3.0	95		SHEETED VTS TO 10CM SD+SX; STRONG ~25° X F2; 1 WK F1 19.60 LC - F1 - 60										T9229	8.85	9.59	5.70	0.06
						D/S 20:88 LIGHT GRAY, IN PLACES SI: V FINE SAND - BOAR - DOSI NON - LM			-19.60											
						~1-2MM SD VI & 1CM WEAK COARSE BR - SD BF - MINOR GL; NOTE PATCH SI FLOODING AROUND SD FR		25° F1 60° F2												
					20	20.15 TRN — — —			-20.15											
						BR - COARSE; APPEARS CONTROLLED MAXIMUM BY F2 TABULAR - SURRDED TO 1CM CLASTS; NEAR LC			0	5 +	0	0	0	5	C					
						CLAST SIZE DCR & F1 BECOMES STRONG; STRONG OXD GL - FAIR - MOD & DCR D/S; FAIR BLEB SD; SI ICR AT LC														
		21.00				20.70 — — TRN		60°	-20.88											
					21	FRV - SH BR - STRONG GN: ~60% CLASTS - STRONG SI 60° FRV; 25CM LC - SI = WEAK, STRONG SL MINOR SL														
						WK - FAIR BLEB SD; NOTE ZONING - GL TO SL (SHBR) WEAK OXD			15 +	<05	+	0	0	0	2	C					
																T9230	1.39	04.79	2.84	0.03
			1.43	100				65°												
					22	22.27 — — —			-22.27											
		22.43				~~BR (WEAK)~~ 3-8CM WIDE W. FAIR SX SL > GL & TOWARDS LC. PY > GL > SL BR - F1 - MINOR F2			2 < +	1 < +	0	0	1							
						22.94 — — WEAK FR		70°	22.94											
					23	D/S 22.94 MED LIGHT GRAY, U FINE SAND - COARSE SILT: POSI IN LM - FINE SAND - SI AND DE - PALE GREEN LM - MUDS - DDMS 23.10 Bcn - 10MM VT & 25MM BR - STRONG GL > SL														
			3.69	100		WK FR VUK SH ON BD; F2 - LI V WK F1; ICR FRV F1 NEAR LC - PYRITE HALO ZONE										T9231	3.18	1.99	0.98	0.01
					24			60°												

CERT NO. A9018935

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-9 Page 3 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH / COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					24	24.0 BR-GY F1-40-60% WK CL, STRONG 24.30-24.55 DK GREY-BLACK (00) 24.30 HZ DOAP WITH <2CM LENSES SI 00														
					25	WK FR & VT SD (~1-2%) VT AU 2MM PY RICH & OCC (1/0.5M) TO 8MM WITH SL>CL	45°	15° N F1 S 45° F2	<0.5	<SD	<0.5	<SD	0	0	1	+					
					26	25.75 BR-FINE & COARSE CLAST-MATRIX ~15% PY>SL>CL, LC-5CM FRV STRONG & 26.23 STRONG SL, FAIR CL			25.75	+	1	+			2	+					
	26.12					26.15-26.55 - MED SAND OO DOAP - REVERSE BEDDED; LC-UC SM			26.23								26.12				
			0.80	100		5 BR-5, 12 & 30CM (LC); D/S 26.55 - MED LIGHT GRAY TO MED GRAY STRONG SL, WK CL, PY>SL>CL-C FINE WAVY LM SM; IN COARSE SILT - DOSI	30°	70°S	?	+	1	+			<0.5	+	T9232	12.6	5.36	3.98	0.01
	26.92				27	26.92 - LC MIN 2 ZONE - NOT? TO DOMP - ICR DARKER - MEDIUM DK GRAY COLOR TO LC SM = 29.32			26.92								26.92				
					28	V WK SD; DFR & VT 2-4MM SD <0.3% FRV - V WK OFTEN RUNS INTO BD	40°	35°S													
			2.64	100													T9233	0.10	0.12	0.07	<0.01
					29	29.32-29.43 - INTERCLAST - RARE OO D/S 28.80 VTSD/XCUT CORE ABSENT TR PY-LI 7 SL IN FR & SDAT D/S 29.32 LIGHT MED GRAY, IL-V THIN BD DOMP & V FINE SAND-COARSE SILT DOSI; 65 COMMON	35°	35°N													
	29.56						25°	40°									29.56				
					30																
			2.44	100	31	31.84-32.16 - IC - DK COLORED - BROKEN OO	65°	15°S									T9234	0.06	0.05	0.03	<0.01
						D/S 32.16 - MED LIGHT GRAY DOMP W LM - <12MM AU 2-3MM DARK GREENISH GRAY SOFT MUDS; RARE WK OOLITIC <3MM DOSI; 55 COMMON; TO 33.80															
	32.00				32		30°	60°S									32.00				
					33		15°	60°S													
			3.0	100		33.80-34.67 - MED GRAY TO MED DK GRAY DOSI - WK DK LM; STRONG SI = SILTSTONE? SILICLASTIC?											T9235	0.20	0.22	0.08	<0.01
					34		25°	70°S													
	35.00				35	34.80 D/S ICR, SD FR & VT	25°-0°	40°									35.00				
						WK FR SD; SD VT AU 2-4MM RARE 10MM; VT ~1/25CM WEAK - OCC STRONG SX SL>CL>PY SD ~1-2%															
					36	34.67-36.27 - MED DK GRAY BRANCHING SM W INFILLING SI 00, DOMR & DOAR		40°													
			3.0	100		36.17 +1IN 2SD VT DCR D/S WK (2%) FR & 1-2MM SD VT & 1/1.5M TO 8MM VT											T9236	0.23	0.21	0.05	<0.01
					37	36.27-37.40 - BLACK SI 00 DOAR MED-COARSE SAND		40°													
						GENERALLY WK PY>SL>CL IN FR & VT - PYRITE HALO V WK FRV															
	38.00				38	37.40-45.05 MED LIGHT GRAY DOSI - STRONG SI (SILTSTONE) - IN WK BD - OCC LM - SOFT GENERALLY NONE SI = DOSI D/S 40.45 TO 43.20 - DK GREEN LM-MUDS		75° F1/S									38.00				
					39	DOMP; FAIR SS	15°	60°S													
			2.45	100													T9237	0.09	0.11	0.04	<0.01

CERT ND-A9018935

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-9 Page 4 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL GL CP TT PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				39	SEE PREV PAGE								
					D/S 40.15 ICR SDVT								
					~6%								
				40	37.40-45.05 - SI DOSI - COARSE GRIT, 35, LM NOD SI DOSI - MINOR OVERALL - MOD-STRONG SIL		75°						
40.45					40.45/ BR - COARSE - CLAST TO 3CM. STRONG SD - SMALL BLEB & BF; WK SX MAINLY				40.45				
				41	40.72 LC - 6CM STRONG GL>SL>PY	40°	60°S						
					UC - 15° F2 - 10MM WK GL INTO BR								
		3.0	100	42			60°?		T9238	0.48	1.17	0.35	0.01
					* NOTE 43.70-50.20 ABSENCE OF SD FR & BARREN SD VT								
					V V WK SD (<0.3%) IN FR & RARE 2MM SDVT @ WK PY>GL FR & BLEB PY-LI FAIR								
				43		10°	45°S						
43.45					UPPER CNT SV / SD+SX ZONE				43.45				
				44	* 43.70 — ICR FR PY-LI & SV	10°	45°S						
					SV 3-5MM @ 40CM; SL>CL; NOTE GL CORE 2SL BIM SV; PY-LI NTR BLEBS								
		2.55	100	45	>SV; NOTE SV F1 & OCC F2 (10°)		45°		T9239	0.90	1.00	0.50	0.01
					45.80 - ICR SDVT & SX SDVT 2-7MM AV 3-4MM STRONG			45.05 - 45.25: UC 3CM SI OO BR & D/S GRIT INTERCLAST					
46.00				46	46.00 SL>CL ~ 5/80CM SPACING	40°	65°S	45.25 - 47.50 - UNDULOSE SM - WK IN SI DOMP D/S 46.10 ROCK	46.00				
					0.5m 3-6MM SV - SL>CL			BECOMES INTERLM - DOMP & SI DOSI = SILT; D/S SI DOSI					
				47	47.20 BR - 13CM BR - STRONG SX (UC GL>SL & D/S SL>CL & PY>SL AT LC	45°	70°S	DOMINATE & NEAR LC ROCK BECOMES DARKER (2°) &					
		3.0	100						T9240	1.32	2.07	1.01	0.01
				48	2/M 3-10MM SD VT - FAIR SX SL>CL	30° SM		COARSER GRAINED; RARE LM OO GRIT & <1CM IC;					
					48.36								
49.00				49	6/85CM - SV 5-15MM AV - 15MM GL>SL>PY NOTE CRACK SL NEAR SV	0° SM	70°	47.50 - MED GRAY WHERE DELICATE STRONG LM SM WELL	49.00				
					49.18 TRACE SD FR ENT			DEVELOPED TO MEDIUM LIGHT GRAY WHERE NOT STRONG DEVELOPED					
					49.75 4/45CM - SV 5-20MM - UCCL D/S SL>CL & LC PY>CL>SL	40° SM	75°S	SM - UNDULOSE 0-45° & OVERALL MOD-STRONG; ST. VARYS FROM					
				50									
		3.0	100		50.20 — LC - SV ZONE.			FINE SAND DOM TO COARSE SILT DOSI.	T9241	1.09	1.56	0.63	0.01
					4/18M - SV - 2-4MM (F1>F2=20%)								
				51	MINOR <10MM SDVT + WK SX PY>SL>CL.	15°	60°S	50.53 - ACT LIGHT COLORED SI=M DOSI - SILT & DK COLORED - STRONG					
52.00				52	51.93 - ICR SD D/S. SD ~7-10% IN 6CM BR UC & FR TO 2CM SD @ EVM - AV 5MM; TR CL>SL	0-40°	65°S	SM (OOLITIC) - FINE DOM - DOSI OCC OOLITES SEEN - VARIABLE SI - WK - STRONG - OVERALL FAIR - MOD; SM - UNDULOSE	52.00				
					52.66 4/45CM SV - 2MM - 3CM AV 3-5MM								
				53	53.10 UC PY>CL>SL & D/S SL>CL>PY NOTE BARREN SDVT - AV 5MM	15°	80°	D/S 53 LIGHT COLORED BANDS WEAK & NOT COMMON.					
		3.0	100						T9242	0.85	1.67	0.53	0.01
					53.62 2-3% TO 2MM SDVT - BARREN								
				54		0°	50°S						

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-9 Page 5 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL GL CP TT PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				53	53.62 — UC-3 CM VM SD & STRONG GL & SL; D/S 3-10 CM AV 5 CM BANDS @ WK SV <2 MM - LOOKS V WEAR BR								
55.00				54	54.70 - 15 CM BRF-BR = 50% JCT F1 & F2 OCC GL & SL & D/S. SL & CL	~50°	80°S		55.00	—	—	—	—
				55	6 | 1.3 m - SV 3-15 MM AV. 6 MM GL & SL, PY AT LC <3 MM VT AT JCT F1 & F2								
				56		40°	80°S						
		3.0	100		56.10 — —			56.50 - 58.90 AS PREV - UC - BASE APPROX BLK SM. D/S MEDIUM	T9243	0.54	1.75	0.70	<0.01
				57	6 | 3 M SV 3-10 MM AV. 5 MM PY > GL > SL & SL > CL > PY MOST F1 NEAR LC F2 - 0%	~25°	60°S	LIGHT GRAY - STRONG SI. D/S SLT - IS THIS ROCK BETWEEN ADJACENT SM LC - IRN - START BLK STRONG SM					
58.00				58	CUT BY F1, V WK FR (K 1-2 MM) SD	30°	0-20° F2 45°S	58.90 - 61 STRONG SM. MED GRAY FL - DOMR & DOST AT LC COARSENING SM UNDULATING MAT STRONG FINE SD WHERE SM STRONG					
				59	59.08 — D/S ICR SV	~50° SM	55°						
		3.0	100						T9244	0.72	0.97	0.36	<0.01
				60	8 | 1.75 m SV 2-10 MM AV 3-4 MM MOSTLY F1 - OCC F2 (0-10°); GL > SL AT TOP & SL > CL AT BTM; LC: 5 CM, STRONG BLEB SD & CL > PY > SL	~0°	45°						
61.00				61	60.77 — 1 | 1 m - 3 MM SD - SX VT	~0°	70°		61.00	—	—	—	—
				62	61.61 - 11 CM BR - SD BF TR SX			61.0 - 68.65 MED GRAY, WK NIL SI. COARSE SILT - CLAY = DOST					
		3.0	95			~55°	75°	DOMR: D/S 61.0 OCC <0.4 m DK GRAY STRONG SM RD-1 M2. LIGHTER COLORED MORE COMMON - WK SM. QUEBALL FINE - V FINE SAND DOAR - IN PLACES DOST	T9245	0.47	0.66	0.22	<0.01
				63		45°	50°	68.65 BASE SM HORIZON					
69.00				64	15 | 5.5 m SV & SD - SX UT 3-15 M AV. 5-7 MM MOST F1 OCC WK F2, MINOR FR SD. V WK FRV, BARREN SD VT ABSENT	~	70°		64.00	—	—	—	—
				65		~	70°	68.65 - 70.44 - TO 69.5 BROWN DOST & DOAR. D/S OOLITE BD; REVERSE GRADED - IN DOAR					
		3.35	100						T9246	0.40	0.97	0.43	<0.01
				66			25° F2 70° F1	70.44 - TO 70.85 - BWN MUDS GRADING INTO SM. MED GRAY OFTEN DARKER IMPARTING MOTTLE APPEARANCE D/S					
				67		?	70°	70.85 - SM - STRIPPED COARSE LM IN A FINE - V FINE SAND DOAR LOOKS SLUMPED;					
67.35					67.01 - D/S ICR SV & SD - SX UT; 16 | 1.25 m - NARM FROM 2-3 MM SV AT TOP D/S 10-15 CMS D/S IN 5 M OF SX TO 10 MM SV NEAR LC - CLOSE SPACED & ALMOST BR				67.35	—	—	—	—
				68	68.32 AT LC - F2 > F1. BARREN SD VT ABSENT SV & SX FP UP TO 10 MM COMMON	~	70°						
		3.00	100	69	68.60 - PRODUCING WK 3-10 CM BC-BR SEE NEXT PAGE		20° LC 60° F1		T9247	2.68	7.83	3.11	<0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-9 — Page 6 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

sual og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					68													
						68.60 — —												
						BR - UC - ±30CM MX GL; D/S SH BR SL>GL TO LC		60°										
					69	69.07 - D/S 18CM F2 - 10% 2 MINOR BR ↓ FAIR GL>SL												
						12 M - < 2-3MM SV 2 SD+SX VTS - NEAR LC SK SV 2 SD+SX - F1 2 WEAKER F2		60°										
		70.44			70	70.0 — LC - 4CM BR - STRONG GL = SL — D/S IDK BARREN SDVT 2-2MM									70.44				
						5% SD FR 2 VT 2-5MM AV 2-3MM ÷ IRREGULAR 2 BARREN; FAIR NO F2		15° F2 50° F1										
					71	6/2M SV - <3MM; SL HIGH AT TOP 2 D/S PY > SL > GL												
			2.56	100		AT LC - 5CM BR - SL AT TOP 1CM MX GL AT LC		60°						T9248	0.93	1.11	0.25	<0.01
					72	72.15 - SLIGHT ICR SD VT												
		73.00				~5% SD FR 2 VT TO 10MM AV 2-4MM WITH WK - STRONG SL > GL 2 ~4%		70°						73.00				
					73	MIN 2 AT LC 3CM BR - WK SX PY > SL 2 GL												
						73.75 — —												
					74													
						8/2M SV - 1-5MM AV 3MM F1 2												
			4.35	90	75	OCC F2 (0°) BETWEEN F1 SV; ~2% SD - FR TO 5MM AV 2MM; TOP HALF - STRONG F2 - 16-20% PRESENT		20° F2 50° F1						T9249	1.08	0.85	0.21	<0.01
						75.70 — 2/1M <2MM SV <1% FR SD NEAR LC		10° F1 60° F2										
					76	D/S 75.7 - LC MOTTLED SM; UC SLIGHTLY LIGHTER COLORED - MED GRAY - WK SM; DOAR AT TOP D/S DOSI OCC <5MM LM DOMP TO 77.80												
						77.80 - 78.23 - BR - ALT ROCKS												
					77	76.80 — SD - 10% 1/3 SD VT 1/3-5CM		65°										
		77.35				77.35 1-3MM FAIR SX UC - 15CM COARSE BR - PY > GL > SL								-77.35				
						D/S 78.23 - LM-IL MEDIUM LIGHT GRAY DOST 2 DK GREEN MUDS - DOMP GRADING INTO WK SM (DOSI) AT 78.85												
					78	OXD. SH BR - MINOR COARSE WK PY 2 GL; SL OXD; FAIR HZ												
						78.85 - 79.15 - OOLITIC DOAR												
						78.23 — 5CM BR - 50% GL												
			3.46	75	79	78.58 — COARSE BR - HEAVY SD ~25-40% GL		20° F2 60° F1						T9250	3.17	5.92	1.94	<0.01
						D/S 79.15 BLACK LM MUDS GRADING INTO BLACK STRONG SM - FRV - STRONG DOMP DOSI (FINE) TO 80.80												
						78.86 — 30° F1 - MINOR GL SDVT AT LC												
					80	<1% SD VT - BLEBS <5MM		65° F1										
						79.9? — 5CM BR - LC - COARSE SD GL > SL												
						D/S 80.80 - LIGHTER COLOR MED GRAY; WK SM; OCC BLACK STRONG SM; NARROW BANDS; OCC SILTS BEDS <1M; ROCK DOMP - DOSI - (FINE SILT) TO 84.3m												
						2/M <5MM SV CL = SL												
		80.81			81	80.81 — 12CM BR - 60% GL, 15% SL 25% PY		55°						-80.81				
						4/M - SV - 2-8MM - AV 4 GL > SL; MOST SDVT ARE SV												
					82	81.70 — BR - COARSE 2 FINE 60% SX; GL = SL; NOTE STRONG SI CLASTS IN SL RICH PART OF BR												
						81.90 — V WK SD FR												
						82.09 — UC 60° X												
			4.11	100		82.45 — — LC - 45° X — BR - COARSE - 2-10CM CLASTS; FAIR 5-20MM BLEB SD; 50% BF GL WK SD FAIR PY NEAR LC								T9251	3.23	11.70	4.60	<0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-9 Page 7 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CD %
						82.45 / V WK FR SD - MINOR PY												
					83	83.00 — UC AT JCT. 10MM F1 & F2 (30°X)												
						BR - COARSE - ALT 3-5 CM BANDS OF WALL ROCK (COARSE BR) & FINE BR W STRONG SX: 25% SL - GL: 3CM M X GL												
				83.55		83.32 / 3-13 CM BC - WEAK SD; FAIR SI CLASTS V & CRACK FILLING SL > GL; PY ICP AT LC		65°										
					84	84.03 — UC - TO 84.58 (TRN) FR 1-2MM SL; D/S FR SL ICP ON LC - 25 CM BAND W 3-6CM WIDE SH BR - FAIR - STRONG SL ASSOC W DK GRAY SI												
	84.82				85			60°						T9252	0.45	1.95	0.55	0.01
						84.82 - LC MINE ZONE — — — — 1-2% SD FR ≥ TO 5MM VT WK FR SL AT TOP & TOWARD LC ICP FR-SI + FAIR SL	84.3 - 85.10 LGHT & DK BANDED DOST - SI = FAIR - HIGH SILTITE? - DOMP - MODS AT LC	~ 25°	60°									
			3.0	100	86	86.20 — — — — — 4 / 60cm - 5-8 MM VT ≥ SD W SX												
					87	86.82 ≥ 3 CM BR - ALL GL > SL V WK FR SD	85.10 - MED DK GRAY COLOR (AS ABOVE, BETWEEN BLACK STRONG SM. BEDS); ROCK VERY UNIFORM - DOST - NO ST. COARSE SILT - UF SAND, V WK, WISPY BLACK WAVY LM (SM) UNDULOSE; LC SECTION 82.44'	~									
						87.12 — 14 CM SDVN & 3 MM SDVT 3-SV - AV 5 MM												
	87.92				88	87.37 — V WK SD FR 87.73 —		0°	60°					T9253	0.08	0.54	0.15	0.01
						88.31 — UC - 6CM BR ≥ D/S 2-16MM AV 10MM — SV 2 SD + SV; GL > PY > SL												
			2.0	100	89	1-2% SD FR ≥ VT < 3MM AV 1-2MM MOST WK - FAIR PY GL & SL		~ 0-20°	50°									
	89.92				90		92.44 - BASE SM - SINCE TOP HOLE	~	70°					T9254	0.03	0.31	0.12	0.01
								~	55°									
			3.08	100	91													
					92		92.44 - 94.08 - OOLITE BED MED - COARSE SAND; WK REVERSE GRADED SI;	~	55°									
	93.00				93				70°					T9255	0.01	0.14	0.14	0.01
						93.06 ~ LC MINE SD VT												
					94	SD 1-2% FR - 5MM VT AV 1-2MM ONLY TRACE SX			55°									
			3.0	100			94.08 - 96.18 DOAR - MED LGHT GRAY FINE - V FINE SAND (DEFINITE)											
					95	D/S 94.95 - FR - SDVT ≥ BLEBS < 1CM WITH STRONG PYRITE COMMON - PY HALO	DK LM WK & STRONG FRV "ONSS"; NEAR LC ≤ 0.03m BED OOLITE DOAR		65°									
	96.00				96	LC PY-LI = 97.5m	96.18 - 97.03 - OO DOAR - MED - FINE SAND; VC FAULTED; 20-SI	20°	55°S					T9256	0.05	0.05	0.05	0.01
									60°S									
			3.0	95	97													

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-9 Page 8 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt.	Cu %
					97	97.05 – 99.84 MED GRAY TO BROWNISH GRAY LOWER HALF FINE-U FINE SAND DOAR-IN PLACES DOSI; MOD-STRONG SI; WK WISPY 'SM';		70°										
	99.00				98													
					99	99.84 – 100.67 – BROWN & DARK GRAY LM, COARSE SILT – DOSI; – MOD-STRONG SI	30°	70°N						T9256	99.00	0.04	0.28	0.08	<0.01
						99.50 — D/S SDVT MIN/2												
					100			55°										
			3.0	100		~1% SD-FR & VT TO 3MM AV 1-3MM	100.67 – 102.0 – SM SI DARK & LIGHT GRAY LM (<2MM) FINE-U FINE SAND DOAR & DKEE LM-DOSI; OCC CHERT & QQ (WK) LM IN NARROW BANDS;											
					101	7/3.5m SV & SD+SX UT AV 2MM & UP TO 10MM		65°										
	102.00					NOTE BLACK SI (ALT) ENVELOPE COMMON ON VT												
					102			65°										
							102.0 – 105.75 PROMINENT MED LIGHT GRAY & MED GRAY, NON SI FINE DOAR & DOSI/DOAR/DARK											
					103	103.00 —		20° 75°N?										
			3.0	100		VV WK FR SD	LOOKS WK SM; D/S 103.5 MED GRAY BANDS UP TO 2CM WIDE							T9258	0.08	0.75	0.17	<0.01
					104		WK-FAIR SI & LOOKS DOSI	70°										
						104.25 — DP ICR SV & SD+SX VT												
	105.00				105	SV-<3MM & SDVT 4-10MM AV 4MM SV & SD OFTEN IN PAIR WITH IN 5CM BAND; 9/1.25m OCC FZVT		65°S						105.00				
						105.50 —	105.75 – 110.47 – MED DK GRAY DOMR & STRONG SP WORMY											
					106		106.65 – 108.05 WORMY SP REPLACED BY SI (CHERT) & 5CM BLEB SI DD NEAR LC · SP = U FINE SAND-DOAR REXL;	70°										
			3.0	100		WWK (<0.3%) SD VT-1-10MM AV 2MM VRARE SV	D/S 107.6 TO LC – SI HIGH; 109.80 – LC – WK-NIL WORMY IB & SM							T9259	0.09	0.47	0.15	<0.01
					107			70°										
	108.00				108		108.20 – 108.60 SM PARTINGS?	10°? 55°						108.00				
					109			65°										
			3.0	95		109.16 — 9/0.75 m SV 1-3MM; GL=SL								T9260	0.10	0.50	0.12	<0.01
					110	109.92 — —	110.47 – 111.45 – TRN ZONE – ALT <30CM BAND SM & WORMY DOMR	60°										
						<0.3% SD-FR	AS ABOVE; 1 BREC <4CM BANDS OF (CHERT) REPLACING LIGHT GRAY SP											
	111.00				111			70						111.00				
					112	112.05 — — —		65°										

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-9 Page 9 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					112	112.05												
						<0.5% SD FR-2MM VT SDVT-WK SX; SV-WK CRACK FILLING 1-2MM ~1/M	D/S 111.45 - MED DK GRAY DOMR-WITH STRONG 'WORMY' SS/ LIGHT MED GRAY LM GENERALLY ‖ BD-OFTEN TO SP & OCC. SI (CHERT) DOMR - MOD-STRONG SI. LOOKS WK SM; WORMY = STRONG SS		65°				T9261	0.13	0.83	0.20	0.01
			3.0	100	113													
	114.00				114			~?		65°				114.00				
							114.60 - 115.8 - AS ABOVE NON SM & WEAK WORMY; SI - HIGH; LC START MT;	~?	65°								
					115	114.95 - ICR SV & SDVT												
			3.0	100		WK SD (2%) - FR - 8MM VT AV 4 MOST VT - WK TO STRONG SX SV - 8/2M - CRACK (IRREG) - 4MM	D/S 115.8 - ASD/S 111.45 - WK SM, STRONG FINE WORMY & HEAVY MT, STILL MOD-STRONG SI & OCC CHERT REPLACING SD.							T9262	0.26	1.11	0.26	0.01
					116		SP - MICRO UNDULATING (SM) - REPLACING LM DOAR/SILT	~?	70°									
	117.00				117									117.00				
						117.22												
					118	VWK SD (<0.3%); SX - SV & SD D/S 118.05 AV 8MM @ 1/M; DENSITY: SV & VT - F1 BASE F2		~	70°									
			3.0	100														
					119				70°									
	120.00				120									120.00				
							121.45 - 123.30 UC - BASE MEDIUM WORMY; STRONG MT & SM; SI: WK-FAIR 'WORMY'; NIL OCC MOD/SI; LC TRN;											
					121	121.08 D/S ICR SX IN FR & SDVT 5/1.25M SV - 2MM; SD + SX VT TO 10MM; GL + SL IN SD VT & <2MM SV SL + GL; OCC 1-3CM FRAG SL													
			3.0	100										T9264	0.50	0.99	0.55	0.01
					122	122.35 - 0.65M SV & SD + SX VT -; 2-10MM OVER SV - F2 ~25CM RUNS INTO F1 GL = SL	123.30 - 123.80 INTERCLAST - 2/CM DK GRAY CLASTS IN DOAR - MED SAND & D/S TO DOSI		60°									
	123.00				123	123.0 - ICR SDVT BUT WK SX	123.80 UC MED LIGHT GRAY & D/S MED GRAY DELICATE		70°					123.00					
						2.5% SD ICR D/S; FR & UT 2-15MM AV 2-5 WIDER VT ICR NEAR LC; WK SL AS CRACK FILLING AROUND SD & GL IN SD;	DK LM TO 2/CM BDS; DOSI; WK SM		65°									
			3.0	100	124									T9265	0.16	0.28	0.07	0.01
					125	125.15 - 5CM STRONG FRV & FAIR CY - FAULT ?65°			55°									
	126.00				126	<1% - 0.5% SD MAINLY FR 1-2MM; RARE 8MM SDVT; D/S 126.0 LI-PY IN FR & SDVT - PY HALO - UC;			55°						126.00				
					127				70°									

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-9 — Page 10 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CO %
					127													
						SEE PREV. PAGE — D/S 125.5 DISTINCTIVE LT. MED LIGHT GRAY & MED GRAY ± DOSI OCC												
			3.0	95	128	UF-FINE SAND (DOAR) MED GRAY GRADES INTO LM - BLACK MUDS -	30°	50°						T9266	0.11	0.28	0.14	0.01
						128.45 - 5cm BAND - 2-<8MM SV. DOMR. STRONG SS. FAIR MC FR - FAIR-MOD ALONG MC												
	129.00				129	- UNIT SEEN ± 97 - BELOW SM', OCC NARROW SM',	SS	55°						129.00				
					130		15°	65°										
			3.0	95		130.35 LC - PY - LT - HALO								T9267	0.03	0.28	0.08	<0.01
					131		10°	65°										
						131.25 - SD WEAKER D/S												
	132.00				132	<0.5% SD - FR - WEAKER <2MM SDVT — U/S 132.0 AS ABOVE - STRONG MED GRAY - BLACK DEL LM INTERLM DOSI & MUDS ICR TO LC	35°	60°						132.00				
					133	132.0 - 134.35 MED LIGHT GRAY DOSI (V FINE - FINE SAND - DOAR) WITH FAIR - OCC STRONG IN UP TO 0.5M BANDS OF GREEN	35°	40°										
			3.0	100										T9268	0.03	0.09	0.04	<0.01
					134	GRAY MUDS (OXD CONDITION), MC & SS	10°	65°										
	135.00				135	134.50 - INTER (LM <3MM) MEDIUM LIGHT GRAY DOSI & FINER GRAINED DOSI/DOMR. D/S MED GREEN MUDS LM - BANDS <25CM BECOME MORE COMMON; MC & SS	15°	70°						135.00				
					136													
			3.0	100		133.95 - 134.08 - SM - WKPY & SP								T9269	0.02	0.02	0.01	<0.01
					137		40°	80°										
	138.00				138		40°	65°						138.00				
						U/S 139.3 - FROM 136.0 GREENISH GRAY DOSI/DOMR; LM ICR & PREDOMINATE; SS DCR TO LC												
					139		20°	55°										
			3.0	100		D/S 139.3 - PT UC TO 140.3 - FL MED LIGHT GRAY TO MED GRAY DOSI AND TO <10MM DARK GREEN MUDS; D/S DOST DARKEN & FINER GRAINED (DOSI/DOMR) & MUDS (DK GREEN NOT COMMON);								T9270	0.03	0.03	0.02	<0.01
					140		25°	60°										
	141.00				141	BD - PLANAR - OCC WK SLUMP TO 143.25	35°	70°						141.00				
					142		25°	70°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80B-9 Page 1 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					142	139.3 - 143.25 - IN GENERAL FINDING D/S & MORE CLAY: - CYCLE												
			3.0	100	143	SEE PREV. PAGE	20°							T9271	0.02	0.03	0.02	<0.01
						D/S 143.25 - AS START CYCLE (34.5D): MED LIGHT GRAY (FINE-U FINE) SAND DOAR @ PARTING TO 3CM. LM											
	144.00				144	OF DK GREEN DOMR & MODS LC 147.95	35°	55°S						144.00				
					145	146.0 - 147 - GRAY GRANULE IC - 22CM BD OCC PRESENT	35°	60°S						T9272	0.02	0.07	0.02	<0.01
			3.0	95														
					146		40°	45°S										
	147.00				147	D/S 147.95 DOMR - PALE & MED GREEN WITH DOSI LM AT TOP LC - 148.17	45°	55°						147.00				
						- 147.27 1CM SDVM D/S IC & SD VT												
					148	- SD 0.5-1% MAINLY 1-2 MM GASH VT MOST SX - PY, RARE 1/15M GASH SV - CHLSI PY HALO	35°	55°						T9273	0.18	0.39	0.14	0.01
			3.0	100														
					149	149.17 - 150.37 DOSI - MED DK GRAY / COARSE SILT - FINE SAND	~0	70°										
	150.00				150	WITH STRONG POORLY DEFINED MED DK GRAY / FINE SILT LM UC TO 146.60 - SM IN U DARK DOSI / DOMR	30°	55°S						150.00				
						150.48 — BCM SHBR - STR OUCS LYCL - 60° X NEAR UC - SV < 2MM - F2 0-10% D/S V U W K SD												
					151			45°										
			3.0	100		151.35 — — — — 5-7% SD F2 & VT TO 8MM F1 > F2 (FAIR) VT - WK OCC. AT UC 8MM SV ONE 3CM BCW WK SX IN SD BF	150.37 - 151.17 - MED DK GRAY DOMR - W SILT: STR OUC. WORMY. SP; SP - MICRO DOME - BD - ST - SM?? TYPICAL WORMY ROCK SEEN PREVIOUSLY; SECTION FAIR HT								T9274	0.71	1.33	0.54	0.02
					152	- 152.0 =		45°										
	153.00				153	< 0.3% SD GASH FR;	30°	55°S						153.00				
					154	152.0 - 154.65 MED LIGHT GRAY IL D/S V THIN IB (<3CM) DOMR & OOLITIC FINE-MED SAND DOAR AT TOP LM	15°	35°						T9275	0.03	0.04	0.02	<0.01
			3.0	100														
					155	(<2M) DARK GREEN MODS COMMON: LC TRN - ABSENCE OO DOAR & ROCK BECOMES DARKER	25°	60°										
							35°	45° - STR FLAT										
	156.00				156	154.65 - 155.64 - MED DK GRAY DOMR (POSS U FINE SILT @ BLACK LM IC R D/S TO LC - POSS SM??	30°	45°						156.00				
					157													

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80B-3 Page 12 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					157	D/S 157.70 - CORE FAIR BROKEN, WK CHON FRV & FR;		15° FZ 40° FI										
			3.0	90	158	157.50 — SLIGHT ICR SD VT								T9276	0.05	0.13	0.07	0.01
						155.64 - 157.30 AT TOP V THIN IB MED DK GRAY DOMP & ME GRAY												
	159.00				159	~0.5-1% SD - FR - 7MM VT. TRACES FR & VT SX		DOSI; TB D/S 156.45 BECOME IL @ SP & ST COMMON AS WELL AS SS - POSSIBLE SM. 30CM @ LC MED DK GRAY DOMP @ WK MT AT TOP.		25° FZ?					159.00				
					160	160.16 - 20CM 60% - SILICIFIED BR - CLASTS & BE - MINOR SD ROO	50°	30°										
			3.0	90				157.30 - 157.70 SI OO MED - COARSE SAND DOAP, -00 IN DOSI - DOMS MATRIX						T9277	0.03	0.04	0.03	<0.01
					161	161.15 — — — / UC FAULT ZONE		60°										
						STRONG - MOD FRV 45-60° <4CM.		157.70 MED GRAY & MEDIUM DK GRAY; LM - V THIN BD DOMP										
	162.00				162	SH - FRV BR / STRONG AT UC & DC D/S, 1-2% SD FR VT <2CM & BLEB.		& DOSI; FAIR - HIGH SI; D/S UNITS BECOME FINER GRAINED DOMP >> DOSI TO 164.44		65°				162.00				
						162.52												
			1.83	90	163	SD VN - LIGHT & DK GRAY MOTTLED STRONG BC 163.05		D/S 161.65 - BANDS LIGHT GRAY DOSI - V FINE SAND.						T9278	0.29	0.62	0.13	0.01
						BR - STRONG SD FLOODING AT TOP & DCR D/S WK VT GL & FP SL												
	163.83					163.83 — LOOKS BE RE BR.								163.83				
						UC HIGHLY FR AT LC SH & FINE BR, WK SD												
						164.44 — MAIN BREAK - 10CM MUD												
					165	KHAKI COLORED, FRV - INTENSE STRONG. OXD. MUD - DOMP		164.44 - 178.20 KHAKI TO BROWNISH GRAY DOMP - (MUDST)		75°								
						165.30 HIGH VFP - RC LIGHT GRAY DOSI		LM - V THIN BD, D/S, 167.70										
						165.80 MOD BREAK AT LC		LM - V THIN BD MED DARK GRAY BECOMING MED LIGHT GRAY D/S										
					166			DOSI; BD DISRUPTED BY FR & FRV - LOOKS PLANAR						T9279	0.03	0.03	<0.01	<0.01
			4.21	80		CORE HIGHLY BROKEN STRONG FI												
					167	<5CM BANDS BC & SH; LC - 5CM BD & COUGE; WK SD <1%		BD - PLANAR, SMALL TROUGH & RIP UPS										
						INTER		D/S 170 DOMP BECOMES LIGHTER										
	168.04				168	167.70 — — MOD BREAK - 65°	20°	COLOR & D/S 171.6 - BDS DOSI / OCC SI & DOMP MED		65°				168.04				
						~1% CASH & FP SD; WEAK		LIGHT BREAK & UP TO 6CM WIDTH										
					169	TO 15MM VT; STRONG - FAIR FR; OKI FRV				45°								
			2.96	95										T9280	0.04	0.01	<0.01	<0.01
					170			D/S 170.9 - DOSI REFS. <1CM & WIDELY SPACED		45°								
	171.00					170.55 - 5CM BR & COUGE - FAIR BREAK	30°	35° FZ 60° FI						171.00				
					171	WK (1%) FE & ASH TO 4MM SDVT												
							15°	65°										
					172													

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-8 Page 13 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					172	SEE PREV. PAGE												
			3.0	90	173		15°	50°						T9281	<0.01	0.01	<0.01	<0.01
	174.00				174	174.10 — D/S 174.5 - DOMR - DK RED BRN & BECOMES LIGHTER IN COLOR. D/S TAP CYCLES. RARE POST BDS <2CM NEAR TOP.		35° F2 60° F1						174.00				
			3.0	90	175	WEAK 1-2% SD FR - 2MM SDVT RARE 10MM SDVT; NOTE F2 & F1 SOFTEN. STRONG DEVELOPED IN <10CM BANDS WIDELY SPACED	20°	30° F2 60° F1						T9282	<0.01	0.01	<0.01	<0.01
					176		35°	55° F2 TO F1(S)										
	177.00				177		25°	15° F2 60° F1S						177.00				
			3.0	95	178	178.31 - 179.20 POST (AS ABOVE) MED LIGHT GRAY / COARSE GRIT TO V FINE SAND. RARE KHAKI	35°	30° F2 70° F1						T9283	<0.01	<0.01	<0.01	<0.01
					179	178.65 — D/S ICR SDVT 1-12% AT TOP DCR TO 5% D/S SD - FR, VT TO 10MM VT & CASH UP TO 10MM AV 4MM. F2. FR2 VT FAIRLY COMMON		35° F1 60° F2										
	180.00				180	180.3 — 179.20 - DOMR: PALE BROWN D/S. 182. 12 CLASTS. MED LIGHT GRAY POST - CLASTS TO 3.5MM IN DOMR MATRIX - INTERCLAST OR BR. TO 182.70		10° F1 60° F2						180.00				
			3.0	95	181			20° F2 60° F1						T9284	0.04	<0.01	<0.01	<0.01
					182	182.30-70° — MAIN BREAK BR - FAULT - RR SH 2 IN PLACES	35°	25° F1 70° PL										
	183.00				183	182.70 — HIGHLY CRUSHED; WK DLEB SD AT TOP - CLASTS. 183.32 — WR = WSD < 4MM ~ 5%	20°	55°						183.00				
			3.0	95	184	HIGHLY FR - OCC < 4CM BR ZONES 184.05 — STRONG V FINE F1 FR - $$ & WEAKER F2; WK < 1% FR SD.		45°						T9285	0.02	<0.01	<0.01	<0.01
					185	183.32 - 184.05 - BLACK & TAN DOMR & MINOR POST. 184.05 - 187.53 MED LIGHT GRAY DOMR - FAINT LM; OCC < 1CM BD SI POST & BLACK DOMR - POST / FAINT LM) & BD 1-4CM		25° F2 65° F1										
	186.00				186	185.35 TRN WK FR SD. 186.0 15CM SH COARSE BR - FAIR BLEB SD D/S 185.6 - GRADUALLY DARKENING TO MED GRAY & COARSENING. DOMR TO FINE POST. AS WELL. BLACK MODS DOMR. DCR.	20°	55°S						186.00				
					187	<0.5% SD FR, RARE CRACK W-LM	20°	60° F1										

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-9 Page 14 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					187	187.53 - 189.25 MED LIGHT GRAY DOLR FINE-MED SAND NON LM												
			3.0	100	188	N/S = CP < D2 F2 THICK BD, WK FT., TOWARDS LC - FINDING & OCC U THIN BED DOSE/DOMR. & DARKER		20° F2						T9286	< 0.01	< 0.01	< 0.01	< 0.01
						188.23 MOD CA-H (F1-F2) SD - PRODUCING WK BC IN COLOR. AND 1/10CM TO 10MM SD VT (F1 = F2)		15° F2 60° F1										
	189.00				189	188.06								189.00				
						~3% SD - WK FR MOSTLY AV. 5-10MM		25° F2 55° F1										
			3.0	100	190	SD VT ~1/20CM F2 FAIRLY COMMON								T9287	< 0.01	0.01	< 0.01	< 0.01
					191			40° F1?										
	192.00					191.52 DCR SD BUT F2 > F1								192.00				
					192	F2 SDVT DISPLACE F1 SDVT. SD 1-2% MAINLY FR > CASH. U WK		20° F2 60° F1										
						3-8MM SDVT. CY ON FR & WK OXD SD; TRACES LT & PY		55°										
			3.0	80	193			15° F2 55° F1						T9288	< 0.01	0.01	< 0.01	< 0.01
					194			20° F1 60° F2										
	195.00				195	AT 195 F2 MOD > F1. ROCK HIGHLY FR.		10° F2 65° F1						195.00				
					196			10° F2 60° F1										
			3.0	55										T9289	0.02	0.01	< 0.01	< 0.01
					197	196.70 90% SD - AS IRREG BF & VT TO 3CM. MOST STRUCTURE IS F2 > F1 ~11 CORE AXIS		20° F2 60° F1										
	198.00				198	197.50 3-5% SD; FR, 2-8MM SD VT AV. 5MM & OCC. BF FOR 3CM BF. MOST SD F2 FRV.		25° F2 55° F1						198.00				
					199	199.25-10CM SD > 2 VN - HW 5 ZONE? SHATTER ZONE SH AT TOP ($ SD) AT UC D/S ICR BP W REKL DO/NOT SD IN CRACKS D/S SD ICR		20° F1 65° F2										
			3.0	100										T9290	< 0.01	< 0.01	< 0.01	< 0.01
					200	199.25-201.77, MED DK GRAY, DOAR (FINE SAND)												
						D/S 200.6 ICR SD - SW - TO 4CM VM. NOTE DOSE - REKL ICR GRAIN SIZE												
	201.00				201									201.00				
						201.77 - 65° & HIGHLY SH; FAIR SD FW 5 ZONE												
					202	SEE NEXT PAGE												

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 30B-5 Page 15 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

sual og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CO %
					202	201.90 - 212.50 MED GRAY, DOST (COARSE SILT - U F SAND)	35°	60°										
			3.0	100	203	DELICATE LM. TO. V THIN BD 15CM DOAR AT LC								T9291	0.04	<0.01	<0.01	<0.01
	204.00				204	5-7 1/2 SD. MAINLY GASH FR IN COARSER LMR U THIN BD. U WK PY & SL IN SDVT, SDVT-2-5MM & 3MM 203.05 - 203.25 MI DOAR	20°	65°S						204.00				
					205	UP TO 1cm BLEBS U FINE PY OCC PRESENT	0°	70°										
			3.0	100		205.28 LC - MINOR SL IN SDVT								T9292	0.08	0.01	<0.01	<0.01
					206	- IN GENERAL COARSENING DOST D/S - V.F. DOAR)	0°	70°										
	207.00				207		10°	75°S						207.00				
					208		15°	65°										
			3.0	100		208.40 D/S NOTICEABLE DCR GASH 1 FR SD NOTE HOW WK F1 IS DEFLECTED ALONG INCOMPETENT LM & BD								T9293	0.03	0.01	<0.01	<0.01
					209		20°	70°										
	210.00				210	3-5% SD WK FR & 2-15MM AV. 5MM TRSL, FAIR < 1cm CRACK & BLEB PY.	25°	65°						210.00				
					211		15°	65°										
			3.0	100		211.10 - 211.90 - MED GRAY. ~80% DOAR - MED - COARSE SAND - SM??								T9294	<0.01	0.01	<0.01	<0.01
					212	212.50 - 216.75 LL MED GRAY & MED DK GRAY. DOMR > DOST.	20°	60°										
	213.00				213	212.65 LC - 5-5MM SDVT-F1 PLANAR LM, 216.75 BASE CYCLE D/S 2157 - KNAK LM - OXD CONDITIONS	35°	60°						213.00				
						~2% FR & GASH SD. NOTE GASH ONLY IN COMPETENT ROCK												
					214	214.45 - 215.40 - ~50% TO 3CM V THIN BD DOAR (U FINE - FINE)	20°	55°										
			3.0	100										T9295	0.01	<0.01	<0.01	<0.01
					215	216.45 - 216.75 - 50% MED GRAY, 50% < 4CM BD DOAR - WK SM; LC - 1	40°	70°										
	216.00				216		~20°	60°						216.00				
					217		30°	40°										

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 208-9 Page 16 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sucl og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊕ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					217	216.75 – 218 – MED LIGHT GRAY & MED GRAY DOSI STRONG LIGHT & DARK LM AT TOP E D/S WEAKENING & GRADES INTO DOMR	0°	60°						T9296	0.01	0.01	<0.01	<0.01
			3.0	95	218													
	219.00				219	SEE PREV. — 218.0 – 218.39 – SM; LIGHT GRAY, FINE BLEB LM & LIGHT-DARK GREEN DOMR SM;	20°	75°						219.00				
					220	218.39 – 219.46 IL LIGHT & DK COLORED V FINE DOSI & DOMR;	25°	60°										
			3.0	100			~							T9297	<0.01	<0.01	<0.01	<0.01
					221	219.46 – 222.35 – SM. DOAR (FINE SAND) LIGHT-MED LIGHT GRAY, LM WAVY – UNDULOSE; OCC <2CM BD DOMR & DOSI;	~	65°										
	222.00				222									222.00				
						223.35 – D/S ICR — 222.35 MED LIGHT GRAY, MOTTLED LOOK FINE – VERY FINE ICR VTSD 2-15MM; M23-5MM DOAR		60°										
			2.03	90	223	223.50 – STRONG SDVT TO 1CM & IN 5CM BE.								T9298	0.05	0.01	0.01	<0.01
						223.80 – SD-QZ VN												
	224.03				224	224.03 END OF HOLE								224.03				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-10 Page 1 of 16

ELEVATION 1798.22m

DRILL CONTRACTOR E. CARON

CORE SIZE NQ to 169.62 BQ to 213.06 TOTAL DEPTH (m) 213.06m

COORDINATES 19945.78N; 10104.15E

LOGGED BY M.P. PHILLIPS

SURVEY/DEPTH	COLLAR	124.4	213.06		ZONE 2,5,6,7&9
DIP	-49°	-49°	-47°		
AZIMUTH	035°	033°	027°		SECTION 10,100E

HOLE STARTED JULY 8/90 COMPLETED JULY 13/90

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t DPT	Cu %
					0	0.0 – 3.50 CASING												
	3.50				3	3.50	20°	20° F2 60° S F1						3.50				
					4	SD - 3-4% MAINLY FR & CASH SDVT - 2-3 MM WEAKER FR & VT - FAIR OXD	3.50 – 8.15 MED LIGHT GRAY. AT TOP & D/S GRADING INTO GENERALLY MED GRAY, DOAR AT TOP & D/S INTO FINE DOSI. LM - WK ± PLANAR IN PLACES DOMR, OVERALL SI: A-HIGH									
			2.5	100	5		40°	45°						T9299	0.07	0.02	0.01	<0.01
	6.00				6		15°	55° S 15° F2 60° F1						6.00				
						6.40 BP - 15° (F2) - SD BF: FAIR LI (ex SD?)												
					7	6.62 – D/S DCR FR. SD	45°	60°										
			3.0	95		1-2% CASH & FR. SD: 1 LM 10MM TO 35MM @ 25° SD VT								T9300	0.08	0.04	0.02	<0.01
					8		8.15 – 13.23 · OC TAKEN AT FIRST GOOD BAND OF SM: MED GRAY DEL. LM SM-ST & WK SP; SM - DOMR & UFINE DOSI · ~25% TO 1M BANDS OF DOSI SM - UNDULOSE	30°	60°								
	9.00					8.50 – D/S ICR IN FR & SLIGHT ICR SDVT												
					9	1% SD MAINLY FR; ONE 4MM SDVT WK CRACK & SD. LI (ex PY)	11.35 – 11.55 CHERT REPLACEMENT STRONG.	15°	60°						9.00				
					10			25°	25° F1 70° F2									
			3.0	100		10.28 – D/S 8CM SD QZ VN ~5% SDVT 2-4 MM WITH MINOR LI, SL, CL & PY								T9301	0.18	0.05	0.02	<0.01
					11	10.85 – 2% SD, V WK FRC & 2-10MM SD VT V WK LI IN SD.		40°	65°									
	12.00				12	11.70 –		35°	60°						12.00			
					13	WK/1%) SD. FR & 2.5MM VT OCC. WK LI IN SDVT & RARE SI, CL & PY IN 2-5MM VT	13.25 – 14.25 – MED LIGHT GRAY. DOAR – MED AT LC & D/S FINER NEAR LC – BD LOW X · 5M? ~10CM.	0°	60°									
			3.0	85										T9302	0.21	0.05	0.02	<0.01
					14				65°									
	15.00				15		14.25 – 16.40 MED LIGHT GRAY. DOAP (FINE – UFINE); STRONG SP WK BLACK ET · SPAR ON LM - 10% PY - UNDULOSE = CRYPTO ALGAL LAMINATE.								15.00				
					16		16.40 – 16.85 – NON SI OBLIQUE BED REVERSE BD - COARSE D/S IN FINE DOSI	25°	55°									
			3.0	90										T9303	0.21	0.07	0.03	<0.01
					17	D/S 17.0 ICR FR & UT WITH LI (ex PY	16.85 – 17.62 · MED LIGHT GRAY (FINE – MED) FINDING D/S; NON SI		55°									

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 303-10 Page 2 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					17	17.62-19.35 LIGHT GRAY & MED LIGHT GRAY DOMP-WK LM OCC													
	18.00					THIN BD	40°	55°							18.00				
					18	19.35-19.80 MED GRAY, DOSI WITH LIGHTER COLORED LM OF													
						DOMP FINE LM SM WK SP 1ST FLAT JMAT	25°	60°											
					19	19.80-20.00 - OXD (SUP.) - AT LC MED SMD IN DOMP													
			3.0	90											T9304	0.08	0.04	0.02	<0.01
					20		30°	50°											
						19.80 - SIMILAR TO D/S 17.62 - MED LIGHT GRAY TO													
	21.00					OCC. MED GRAY WITH PROMINENT BROWN TO BLACK UP TO 5MM	20°	55°							21.00				
					21	LM OF MODS. D/S 20.0 ~1CM INTERCLASTS. BD-RIPPLES.													
						MC. IN PLACES APPROACHES FINE DOSI	25°	60°S											
					22	D/S 22.65 ICR 5MM F1 & F2 SDVT; SD PART OXD													
			3.0	90											T9305	0.91	0.15	0.06	<0.01
					23	23.09-20CM BR-5CM SD UC & SD BF D/C D/S; FAIR SL AT LC	15°	65°S											
					24	~2% SD WK FR, FAIR CASH & VT 2-6MM TRACE SL	23.0-25.85 AS ABOVE - MODS LM DISAPPEAR & ROCK BECOMES UNIFORM MED GRAY - FAINT LM MOD ROCK IS V FINE DOSI	30°	70°S							24.00				
					25	7CM WK BC-JCT F2>F1	24.38-24.80-IC <1CM CLASTS & WK TO 1MM OD		30° F2 65° F1											
			3.0	85		2-4% SD - AS ABOVE									T9306	1.73	0.21	0.09	<0.01
					26	25.85 BR-75% COARSE>FINE BR-HIGHLY OXD; WK SD; MINOR LI (EXPY?) LC-30° F2?	25.80-26.00 SI FINE OD BD. 26.00-27.74 - MOSTLY SUP & HMP ALT. LIGHT COLORED BD DOMP													
	27.00				27	26.10 26.90 BR-INTENSE OXD; STRONG LI 27.43	D/S WK LM & TO FINE CLEAN LM DOSI	35°	30° F2(?)	26.90				S	T	27.00				
						MOD-100M REC-TRACE LI 27.74				27.43									
					28	WK <1% SD VT <4MM-FAIR SL-WK CL ON SOME VT	27.74-31.0-HMP & SUP ALT, MED LIGHT GRAY CLEAN V FINE DOSI <5CM BAND NEAR UC SM-ST ± SP WK													
			3.0	25											T9307	1.89	0.81	0.30	0.01
					29		31.00-33.20 - ALTERNATING BANDS OF MED LIGHT GRAY WK LM SM DOMP & DARK GRAY STRONG LM SM-ST ± SP DOMP		30° F2 65° F1											
	30.00				30	30.18 STRONG FRV - WK SD & MINOR LI									30.00				
						30.57 <5CM BR UC & D/S MOD SD VN			30° F2 55° F1										
					31	31.00 FR & V WK SD FR													
			1.88	15											T9308	4.44	2.20	1.01	0.01

1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-10 Page 3 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					31	31.55 - 6CM BC - BR - COARSE - STRONG BLEB SD WK LT FR; V WK FR SD												
	31.88					31.88 - 1CM SD + SX VT; MOD SL, MINOR GL - UC MIN/Z ZONE - V WK OXD/DS			31.88					31.88				
					32	31.95 - BR - ~20% FINE BR 80% COARSE <8CM CLASTS FINE BR - HEAVY BF SL>CL SX = 20%	20°	55°										
						32.30 - 2-3% OSD; FR, GASH & VT TO 10MM WK SL												
					33			25° F2 70° F1										
			30	95		33.07 - BR - ~25% CLASTS 1-8CM; D/S TCP FINE BR & HEAVY SX TO 10CM (LC) BETWEEN COARSE CLASTS; FAIR BLEB BARE TO 2CM VM SD; SL>CL; SX 40%	33.20 - 33.80 - MED LIGHT GRAY DOMP WITH WK SM AT LC								T9309	1.00	6.97	3.60	0.02
						33.83 - LC CGT F1 & F2 10MM SD + SX F2, ATC VNTS - JCT F1 SD VT - 15MM & UC BR + SX	33.80 - 34.45 - DOAR - MED LIGHT GRAY; MT - INTENSE D DCR D/S; HEAVY SP.	15° F2 80° F1	5 + <SD	1 + <SD	0	0	<03 + <SD					
					34	34.15 - SW - SX; SW JCT F1 & F2; SW SX TCR D/S TO 25 BR AT LC; STRONG CRACK S'L, SL>CL>PY - 15% SX	34.45 - 35.23 PARK ROCK & LOOP MY HEAVY LM/IPDEC SP SM MOB EOD											
	34.88					34.70 - 34.85 - 3.5CM SD + FAIR SL>CL								34.88				
					35	35.10 - COARSE BR - ~5CM HEAVY SX IN FINE BR SL>CL>PY ~10% SX	35.23 TO 35.80 MED LIGHT GRAY FINE DOST	0°	65°									
						35.85 - LC - BC & SL	MOD SI, D/S BECOMES LIGHTER IN COLOR & WK SM. IN DOMP											
						36.67 - UC SV D/S SW SX & ON LC 5CM FINE BR - HEAVY SX; SL>CL>PY	& DOSI											
						35.80 - FAIR FINE BLEB SD AT LC, 15% SX		0°	70°									
					36	N SV & SD + SX UT 2-15MM AV. 10MM FAIR - STRONG SL>CL>PY	NOTES - MIN/Z - BR - LARGE CASTS SEPARATED BY STRONG MIN/Z-MX MATRIX - GN STRUCTURE, OFTEN STRETCHED CASTS: F1 & F2; SL>CL>PY; TRN VT → SW - COARSE BR → FINE BR								T9310	6.56	2.82	1.96	0.01
			30	95		36.07 - SW SV - COARSE BR, BF & VT TO 10MM JCT F1 & F2												
					37	36.95 - TRN - BR COARSE BR - 2-4CM CLASTS SEPARATED BY 1-3CM BANDS FINE BR + SX BF; HEAVY BLEB & 6CM SD VN; NEAR LC BF SX - MX & GN		15° F2 60° F1											
						37.72 - 3/20CM SV 10MM DCR TO 2MM AT LC												
	37.88				38	37.95 - LC MIN/Z ZONE	25°	75°	37.95					37.88				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-10 Page 4 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊖ BEDDING	CORE ANGLE ⊖ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					38	37.95												
						<0.5% SD FR F2=F1												
						35.80 – MAINLY MED GRAY DOMP-TO DOST/V FINE SILT) LM. WK) SM												
					39	39.05												
						2 BANDS IRREG. MED LIGHT GRAY. APPEAR TO BE BLK WEAR. 25CM BR+SX	20°	25° F2 65° F1S										
						AT TOP F1 & F2 2MM SDVT D/S. 7MM SX												
			3.0	100		1 LC - 5CM BR - JCT F1 & F2								T9311	0.65	0.34	0.22	<0.01
						39.42												
						BETWEEN SM BANDS DOMP. FINE DOST - LM & DK COLORED												
						40.54 – 40.90 UNDULOSE CL AS BELOW												
					40		25°	60° S										
						10/4m – WK (<0.5%) SD FR F2 - 20MM												
						VTS MOST <4MM WITH WK - OCC STRONG SX + SL > CL > PY												
	40.88				41		25°	65° S						40.88				
						NOTE BAND @ STRONG CRACK FR SD. F1 & F2 <2MM SET DEVELOPED FAIR OXD FR & SDVT												
			2.46	100	42		30°	70° S						T9312	1.00	0.31	0.16	<0.01
							0°	60°										
					43													
	43.34					43.34								43.34				
						V WK FR SD.	0-45°	70°										
					44													
						44.30 – 44.60 – 48.30 – MEDIUM GRAY CRYPTO ALGAL LAMINATE - DOAR												
			2.66	100										T9313	0.26	0.13	0.07	<0.01
					45	6/2M SX SDVT - STRONG OXD												
						2-6MM LV 2-4MM, LI (ex PY?) >> CL - WK F2												
						STRONG SP LIGHT GRAY WISPY RD WORMY D/C NEAR LC.												
						DOAR - FINE GRAINED STRONG UNDULOSE - WK F1 ICR TOWARDS LC												
	46.00				46	MOST F1. MINOR F2 AT F1 JCT NOTE 90° - SDVT MIN 3		55°						46.00				
						46.35												
						V WK FR (<0.5%) NOTE SD REPLACING SP		70°										
					47													
			3.0	90		47.42								T9314	0.16	0.16	0.08	<0.01
						3/40CM; VT OXD - AV 8MM - STRONG CL = LI (PY?)		45°										
					48	47.80												
						48.31 – 48.05 DOAR - MED GRAY MED - FINE GRAINED												
	49.00				49	V WK SD <2MM VT:		55°						49.00				
						WEAK - FAIR LI (ex PY) = PY IN SDVT & CRACK FILLING.												
						49.05 – 49.32 - FINE OO BED SI - HIGH												
					50	SD <0.3. FR & VT - GENERALLY OXD	20°	20° F2 65° F1S										
						49.32 – 51.95 - ATUC - IC - DOMP IN OO DOAR. D/S MED LIGHT GRAY FINE BLK LM DOMP. D/S ICR FINEGRAINE DOST LM & BD @ OCC								T9315	0.09	0.03	0.04	<0.01
			3.0	95														
					51		SS	65°										
						IRREG IC <1CM & WK OOLITIC STRUCTURE - MC. DIPPLES & SS DEF ORMATION. CHARACTER - DOMP → DOST, SS% STRIPPED												
	52.00				52		SS	70°						52.00				
					53		SS	65°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 80B-15 | Page 5 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					53	51.95 – 57.60 UC. SHARP COLOR CHANGE. LIGHT GREENISH GRAY FINE SILT DOSI D/S LM. MOD-DOMR. 55 DEG													
					54	DS 54.55 LIGHTER IN COLOR SLIGHTLY COARSER GRAINED (COARSE SILT)									T9316	0.04	0.01	0.01	<0.01
– –	55.00	–	–	–	55	DOSI W PALE DOMR LM. – 55 DEG & SMALL TROUGH; D FINE DOAP TOWARDS LC; D/S 55.0 – TO LC STRONG U FINE ERV – PROMOTED BY MODS – DOMR	~55	15° F2 60° F1							55.00				
			3.0	95	56			65°						T9317	0.05	0.05	0.01	<0.01
					57			70°										
						57.60 – 60.84 MED GRAY DOSI FINE; U FAINT BD + UC FRN												
– –	58.00	–	–	–	58	COLOR CHANGE D/S 59.73 – BLK LM APPEARS SLIGHTLY DARKER COLOR & IN PLACES DOMR; A FEW LM SM		70°							58.00				
					59			25° F2 50° F1										
			3.0	90										T9318	0.14	0.85	0.19	<0.01
					60	10MM SV – STRONG GL	60.84 – 60.15 BLACK DOSI – FAINT V GRAY LM (CAP ROCK SM?) SILICLASTIC	30°	75°										
						D/S UC – SLIGHT TCB FR SD													
– –	61.00	–	–	–	61		60.15 – 60.98 MED GRAY DOSI (COARSE SILT) WK LM. 1° TOP. WKSH FAIR STRONG SI;	25°	70°						61.00				
						SV 1 1.5M TO 8MM GL STRONG OXD, FAIR HZ													
					62		61.98 – 62.89 – BLACK, DELICATE GRAY W/SM LM. U FINE DOSI (CAP ROCK SM?)	35°	70°										
			2.48	95		1M SECTIONS 1-2% FR SD ALT WITH V WK FR SD									T9319	0.07	0.47	0.09	<0.01
					63	D/S 62.7 TO LC CRACK VT (PY) OCC PRESENT		20°	65° 20° F2 SX 65° F1 SX										
– –	63.48	–	–	–			62.89 – 63.28 – MED – DK GRAY DOAP – FINE SAND, FAINT LM								63.48				
						63.57													
					64	6 1M SD VT + FAIR – STRONG SX OXD F1 > F2; BR-ACHAT JCT F2 U F1			60°										
						64.47 SD VT 5-15MM;	63.28 – 69.30 MED GRAY GRAY GRADING TO MED LIGHT GRAY												
			2.47	100		WK SD VT;	DOAR (FINE-MED GRAINED), MINOR PALE LM CLASTS – DOMR – TC		65°						T9320	0.57	1.02	0.23	<0.01
					65	65.06	<5CM INTERCLAST: LOOKS FINNING SLIGHTLY D/S; RARE V LAST <2CM SI 00												
– –	65.95	–	–	–											65.95				
					66	26 5.75m – SV & SD + SX VT.		45°	65°										
						SV AV 5MM > SD + SX VT = AV 20MM; SOME OXD RANGE FROM SL > GL TO GL > SL & OCC													
					67	PY (LT) > GL > SL. MOST F1 OCC < SEE F2 WK PERVERSE F1 >		35°	30° F2?						T9321	0.42	0.51	0.16	<0.01
			3.05	100		ALSO F2 JCT TO F1; UNMIN F VT SD RARE;													
					68	SX & SD + SX VT USUALLY CONC. IN. 10-60CM BANDS		~	70°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-10 Page 6 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag DPT	Cu %
					68													
—	69.00	—	—	—	69	SEE PREVIOUS PAGE	20°	70°						69.00	—	—	—	—
						69.30 - 74.15 AS PREV. ONLY: LIGHTER COLOR, MED LIGHT GRAY FINE DOAR W PALE COLORED DOMR LM - USUALLY SS & OCC SLUMPED LENSES < 2CM SI 00 D/S 73.40 - FINER GRAINED & ICR DARKEN												
					70			65°										
			3.0	85										T9322	0.02	0.45	0.16	<0.01
					71	70.73 — TOTRN LC; SM JUST ABOVE LC? DOAR - FINING D/S; SS & NON LM;	20°	55°										
						<0.5% FR SD												
—	72.00	—	—	—	72			70°						72.00	—	—	—	—
					73	72.55 —	25°	70°										
						12/2M SD+SX VT 2-20MM AV 6-8M												
			3.64	95	74	SX-10-30% IN VT: PART OXD MOST SDVT-SX; MOST VT IN 5-20CM BANDS, MOSE F1 OCC F2 BETWEEN F1'S; CL=SL>PY		60°						T9323	0.07	0.44	0.13	<0.01
						74.15 - 76.10 - MED DARK GRAY DOST (COARSE) SILT W LIGHTER COLORED CLASTS & BROKEN LM FAIRLY COMMON; <5CM BAND W WK ST SP SM; ON LC - 25CM DOAR W SCATTERED <5MM LIGHTER COLORED CLASTS (TC)												
					75	74.52 — <0.3% FR SD	~SM	70°										
						75.65 — 3SX-5-10MM GL>SL>PY												
—	75.64	—	—	—	76	75.81 —		65°						75.64	—	—	—	—
						76.10 - 84.50 MED LIGHT GRAY WK LM DOST (V FINE SAND - COARSE GRIT, WK SM??; P/S 77.0 ICR. DARKER COLOR - MED GRAY												
						⚠A 76.17 < 10CM BR - 60% FINE BR - 30% SX PY>SL>GL; F2-SX-3MM AT FW												
					77		15°	70°										
			3.72	100		16/4M - SV>SD+SX VT; 1-10MM AV 3-4 MOST 8% F1, OCC D-30% F2; PY>>SL>CL CONC 2-4 IN 5-20CM BANDS	1-5CM TC COMMON; STRONG SS OCC < 2CM LOOKS SM; THROUGHOUT							T9324	0.57	0.93	0.22	<0.01
					78	RARE BARREN FR VT NON SX	WK-STRONG VARIABLE SI	15°	70°S									
							* NOTE D/S STRONG MIN/BZ AT BASE B'E. ALSO SV CONC IN BANDS - IF ICR COULD FORM BP											
					79	79.00 —		0°	75°									
—	79.36	—	—	—		⚠B 79.17 - 13CM BR-COARSE BR-25% FINE BR+SX STRONG SX-SL>CL=PY — — — LC. SV ZONE?								79.36	—	—	—	—
					80	<0.2% SD MAINLY FR WK 2-10MM SDVT 1/60CM VT W/ WK-STRONG BOT NARROW 1-2 MD MIN/Z; MOST PY>>SL OCC	10°?	45° F2? 75° F1										
			2.64	100		SL>PY;								T9325	0.18	0.22	0.06	<0.01
					81		D/S 81.5 - LIGHTER COLORED TO MED LIGHT GRAY - ABSENCE OF DK. BD.	10°	65°									
							D/S. 82.5 - BECOMING COARSER.											
—	82.00	—	—	—	82		DOAR - (FINE-MED) SIC. COMMON	26°	65°					82.00	—	—	—	—
					83	82.74 — CNT WK MIN/Z 10MM SDVT SEE NEXT PAGE												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-10 Page 7 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				83	V WK FR SD - MINOR CRACK LI PY		45°										
		3.0	100	84	83.75-11CM - HW 3MM SDVT; FW 10MM SDVT WITH F2 (10°) BETWEEN F1'S PY>CL>SL								T9326	0.28	0.30	0.08	<0.01
					84.26 - TIGHT SH BR, WK-FAIR SD												
85.00				85	84.50 WK SX; PY>CL>SL;								-85.00-				
						84.50 - 84.95 - MED LIGHT GRAY, SLIGHT BROWNISH CAST DOAR	70°										
				86	<0.3% SD, MAINLY FR, OCC (1/2M) 2MM SDVT, SX-UIL TO 09C MOD LI (PY)	(FINE-U FINE) GRADING TO DOIS D/S (COARSE GRIT) AT TOP PROMINENT	SS	65°										
		3.0	100			TO 2CM V.T. BD & LM. BWN. MODS W/ HIGH NARROW & WKER DEU D/S								T9327	0.03	0.02	0.01	<0.01
				87		STRONG SS & U WK CL DEF ROCK		70°										
88.00				88		84.95 - 94.36 MED LIGHT GRAY DOSI W LM - IRREG SS KHAKI-TAN		70°					-88.00-				
						DOMR; IRREG <1CM. GRANULE IC, MC; MICRO DEPTUNE DYKES											
				89	88.94 - D/S ICR SDVT	D/S 85.0 DOSI DOMINENT & DK USUALLY PALE KHAKI-TAN											
		2.50	100		~5% SD - FR TO 20MM VT AV 3MM FR & VT CONC. IN 5-10CM BANDS - LOOK STRONG F1 & PRE BR - BAND	DOMR LM 30 BORD. NATE; DOSI - USUALLY STRONG SI	20°							T9328	0.05	0.04	0.02	<0.01
				90	SOMEWHAT WK SW W F1 DOMINENT SX=PY (CL) FAIR			70°										
90.50					90.50 - FRV-BR-WK; 10-15% SD ALONG F1; SD-VT & BF			70°					-90.50-				
					90.72 - WK AT CNTS; WK PY-LI												
				91	# SD-T-5MM AV 3MM VT; WKENS D/S ALSO <2CM VK BR, MINOR PY>CL>SL												
					91.21 - FRV-SH BR-TIGHT - ~10% SD - FINE BLEB												
					91.42 - BETWEEN 1-2CM CLASTS <1CM SH; FAIR PY TR CL>SL												
		3.83	100		91.61 - STRONG FRV OCC SH-BR <1CM. ? FRV ZONE				91.61								
					91.89 - WK SD; UC PY & D/S SL>CL>PY AT LC.; SW SI+SL <1MM FR; FAIR PY; SL>PY>CL				2 + FR	<05	+ FR	1	+ FR	T9329	5.72	2.03	0.93	0.01
				92	92.05 - UC - 5CM ~75% SD: D/S SH BR - ~25% CLASTS 1-5CM LENTICULAR				92.05								
					HIGHLY SH W SI+SX IN CRACKS & MINOR SD. D/S 92.55 >1CM CLASTS NOT AS COMMON & ICR BLEB SD.; LARGE CLASTS W ENCRAPPED VFBR				4 + FR.	<03	+ FR	3	+ FR					
					SX: PY FR AT TOP & D/S ICR SL; WK CL. SL-3%												
					92.89 - TRN												
				93	93.06 - UC - 9CM LARGE CLASTS W HEAVY SD & PY. LOOKS FINE SH BR W ONLY <5% / 1CM - TO 6CM. IRREG ALT BANDS BR & 1CM TO 5CM CAST DESTROYED (REBB?) SL ICR TOWARDS LC. PY=SL MINOR CL SX: 2%				93.06								
									12 + FR	<05	+ FR	12	+ FR.				
					'STREAMED' BF - V WK SD & COARSE BR - ICR SD SL ICR LC												
					95.82												
				94													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-B-10 Page 8 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				93	93.82 —												
				94	BR - FINE-U FINE CLASTS; INTENSE SI; SI WEAKENS NEAR LC; UC-5CM STRONG VT												
94.33					94.36 COARSE BLEB SD; W SI SECTION - V WK-WILSED MINOR SL AT & NEAR UC								94.33				
				95	~2-3% SD; SD CONC IN 15-25CM	94.36 - 95.00 INTER LM BLACK DOMP & MED-LIGHT GRAY	30°										
		2.67	100		BANDS WHERE GASH VT FR & BLEB PRESENT; OCC. C 5MM VT W FAIR SL	DOSI (V FINE); NEAR LC - SH SM STRONG DEFORMED - BR. ON SS(?)		25°F2 55°F1					T9330	0.35	0.19	0.10	0.01
				96	96.46 —	95.00 - 96.80 TI MED DK GRAY DOMP W SM' AND BLACK SI											
97.00				97	1-2% SD FR BOT MAINLY 2MM SD VT - MINOR PY-LI	OO DOAR, COARSE AT TOP FINNING D/S TO FINE AT LC; NEAR LC FC;	30°	55°? N					97.00				
				98		96.80 - 101.40 MED C GRAY LM & THIN BD DOSI (SI & COARSE TO FINE GRAINED W LM OF BLACK MUDS - DOMP. LM		65° 11 BD					T9331	0.12	0.07	0.04	0.01
		3.0	100	99		MUDS - PARTING TO 3MM; LOOKS STRONG FRJ ON MUDS	70°										
100.00				100		D/S 99.80 BUK LM OF MUDS DCF & INTO 50CM B/D V F DOSI AT LC ST DCR D/S	30°	55°S					100.00				
				101			30°	75°									
		3.0	95		101.40	101.40 - 102.72 - MED DK GRAY - BLACK WK LIGHT COLORED MOTTLED DOAR - (MED-COARSE) CL - WK SP - WK UNDULOSE		30° F2 75° F1					T9332	0.21	0.48	0.26	0.01
				102	8/15m SD VT - 1-25MM AV 13-5MM, SX WK - FAIR; GL >> SL PJ > GL AT TOP;												
103.00				103	102.86	102.72 - 103.70 MED GRAY DOST / MED-U FINE) THICK		70°					103.00				
					V WK FR - 2MM SD VT; MINOR SI	BED; RARE BLACK LM; MOD-STRONG ST. D/S 106.3 -											
				104		LM - 2CM V T MIN BD BLACK MUDS BECOME COMMON; D/S											
		3.0	95			LOOK COARSENING AT 109.70 - FINE SAND DOAR		70°					T9333	0.54	0.23	0.12	0.01
				105	105.00 — BR - UC - D/S 16CM FR - VT BLEB SD W FR SL - ON LC 15CM - WK BR - WK SD; SI CLAST) BF SL;	, STRONG SS DEF	35	70° N									
106.00					105.82 — ~3% SL		55	65°					106.00				
				106	SEE NEXT PAGE												
				107			55	75°									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No: 90 B-10 Page 5 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					107	V WK SD (<0.2%) · FR - TR VT												
						AV 2-3MM; V WK FRV;	25°	60°N						T9334	0.04	0.04	0.02	<0.01
					108													
- -	109.00	- -	-	- -	109		SS	75°						-109.00	- -	- -	- -	- -
						109.70 - 120.65 AS PREV. ONLY DOSI LIGHTER COLOR & COARSER GRAINED												
						MED LIGHT GRAY DOAR (MED SAND)	SS 35°	70°N										
					110	WITH 1 MM TO 6MM BLACK & DK GRAY												
			3.0	95		MODS - DOSI & DOSI; SS DEFT BOUD								T9335	0.04	0.03	0.02	<0.01
						RIPPLES LOAD CASTS NEPTUNE												
					111	MICRODYKES & MC.; RARE CBT IC	10°	75°N										
						NON ST. D/S 116 & SLIGHTLY												
						DARKER & FINER GRAINED - DOSI												
						(COARSE-MED SLT) THEN BACK												
- -	112.00	- -	-	- -	112	INTO DOAR - FINE TO MED; D/S	SS 30°	50-60°N						-112.00	- -	- -	- -	- -
						116 & LM - MED GREEN MODS - DOMP												
					113		SS ±25°	60°N										
			3.0	100										T9336	0.02	0.03	0.02	<0.01
							SS	65°										
					114													
							SS 20°											
- -	115.00	- -	-	- -	115									-115.00	- -	- -	- -	- -
							SS 0-30°	65°N										
					116	116.33												
			3.0	100		2 F2 (20-25°) SD-FR VT								T9337	0.27	0.21	0.15	0.01
						WITH PATCHES FR SL TO 2CM	~SS											
					117	117.15 - 15-20MM SD VT - F2 0-20°												
						WITH ON ONE SIDE F1 PATCH · 2-3CM												
- -	118.00	- -	-	- -		117.63 - BEW FAIR SL	SS	75°						-118.00	- -	- -	- -	- -
					118													
						V WK <0.2% FR SD												
						119.95 - 120.65 = LC = LC - 30CM												
					119	TO 5CM CLASTS D/C IN SIZE I/S;												
			3.0	100		TO UC - 1-3MM CLAST'S - BLACK COLOR								T9338	0.08	0.17	0.10	<0.01
						119.65 - -												
						WK BR - UC - STRONG FRV; WK BR DS												
					120	WK SD ON LC; FAULT ZONE?	SS 0-30											
						119.95 -												
						120.65 - 124.36' MED LIGHT GRAY DOSI TO WK SM												
- - -	121.00	- -	-	- -	121	SM - PLANAR - MICROUNDULOSE;								-121.00	- -	- -	- -	- -
						V WK SD FR.												
						NEAR TOP 2 MSCM BOUD C/L												
						121.50 - - D/S ICP SD VT F SS												
						VARIABLE ST - OVERALL FAIR												
					122	1-2% SD - FR VT & WK 3CM BR, LC - 1CM COARSE BR; WK-FAIR SL IN VT.	~SM	60°										
						121.80												
						SEE NEXT PAGE												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-10 Page 10 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					122	121.90												
			3.0	95		2-5% SD-FP VT TO 10MM AV 3-5 MM												
						SX - NIL TO STRONG <3MM SDVT (SV) & 12MM - SV & SD IN VT / ~25° VT)	~SM	80						T9339	0.36	0.98	0.21	0.01
					123	VARIABLE PY ALONE; CLY SL MOSTLY SL>ZCL>PY												
	124.00				124		124.36 - 140.21 MEDIUM LIGHT GRAY DOAR / FINE-MED; AT TOP DOST	~SM	60°						124.00				
						124.14 / WK COARSE BR - PATCHES ~25% FINE BR & CRACK BE SL>ZCL	WITH MED DK GRAY (GREENISH??) LM TO 15MM DE DOMP & MODS:											
						124.36	SS, MC, LOAD CAST, & MICRO NEPTUNE DYKES;	SS	60°									
					125													
			3.0	95		<0.3% SD, FR DCC & MM VT & RARE 2CM BR - TR - NIL SX								T9340	0.06	0.08	0.02	<0.01
						NOTE CASH SD VT - PINCH OUT IN GOING FROM DOAR TO DOMP		25°	70°S									
					126		126 TO 130.78 - AS ABOVE DOMP - MODS LM WEAKEN & BECOME GREENISH GRAY - KHAK COLORED IN PLACES DOAR - MED TO COARSE GRAINED; LC - SHARP COLOR CHANGE;											
	127.00				127			SS							127.00				
									25°	70°								
					128													
			3.0	100										T9341	0.01	0.03	0.01	<0.01
								SS 15°	70°									
					129													
								0° SS	65°									
	130.00				130		130.78 - 132.74 - STRONG LM - SCM BD BLACK MODS; HEAVY								130.00				
							SS - IC; DOAR - FINER GRAINED / FINE - V FINE SAND; LM DCR TOWARDS LC;	0°	75°									
			3.0	100	131									T9342	0.02	0.05	0.03	<0.01
								30°										
					132													
	133.00				133		132.74 - 140.21 AS ABOVE DOAR - FINE - V FINE & LM MODS - BLACK / GREENISH GRAY DOAR IN PLACES TO DOST; SS	0°	75°						133.00				
			2.90	100	134		NOT AS STRONG - USUALLY IN NARROW BANDS; 138 ↓ TO LC, LOOKS STRONG SS ↓	25°	65°						T9343	0.02	0.03	0.02	<0.01
								20°	60°									
					135													
	135.90					135.90 - D/S SLIGHT ICR 5MM SDVT NSX								135.90				
					136	136.5% SD V WK FP & VT TO 10MM TO 3CM FP ZONES & WK SD & FAIR CRACK SL>ZCL FP ZONE DCR D/S;	0°	65°										
			2.90	100	137	137.00	0° SS	60°						T9344	0.08	0.09	0.02	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-10 Page 11 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sample Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppm	Cu %
					137	137.00												
						V WK FP SD: 138.55 = 139.22 AT UC												
						2cm BR-BF-SD WEAR = 2 F1 SDVT @ INTER												
					138	F1 VTRBLEBS; ON LC-10CM STRONG F1	0°	60°										
	138.40					@ 5-10% BLEB FR FILLING SD-OCC WK SL								13840				
						ICR SD & SV D/S												
					139	139.35 FR & TO 5MM SDVT AV 1-2MM	70°	75°										
			2.60	100		@ WK-FAIR, SL-CL-MOSTLY F1												
						-MIN/2 BEST WHERE F2 @ SX DEVELOPED		70°						T9345	0.61	1.59	035	<0.01
					140	140.0 F												
					A2	BR-COARSE > FINE UC TEN ‡ 140.21 - 156.0 - UC SX BR; DORK												
						140.22 FRV @ QZ SX & D/S COARSE-FINE MED LGHT GRAY (FINE-V FINE SMVD)												
						5R-SD QZ BF GL SL; SIL VAST WK SM - UNDULOSE WK; OCC LM	0° SM	0° & 40° F2										
	141.00				141	LENSE < 1CM ST DO; NOTE NO LM		80° F1						141.00				
						~1% DSD; 1-2MM FR QZ MINOR SD TO NOTE BR AT COMPETENT -												
						5MM SDVT; MOST 2-3MM; 750% FR INCOMPETENT ROCK CNT	SM	20° F2										
					142	VT - FAIR - STRONG CL-SL	0°	65° F1										
			3.0	100		DENSITY - 25/45M - DCR FROM UC.								T9346	0.07	0.33	0.08	<0.01
					143		SM 0-20°	65°										
							0° SM											
	144.00				144			65°						144.00				
						144.77 — MIN/2 VT DCR D/S; ICR SDFR												
					145		20°	65°										
			3.0	100		1% SDVT - FR - 8MM SDVT 2 AV 1-3MM												
						NIL-TRACE SX; MOST MIN/2 IN 1-2MM QZ>>SDVT	0°	55°						T9347	0.04	0.39	0.20	0.01
					146	ABOUT 3-4/2M DENSITY												
						RARE 10MM SD>QZ VT @ RIM STRONG CL>SL												
							0°	10° F2 65° F1										
	147.00				147									147.00				
							0°	70°										
					148													
			3.0	100		148.48 — DCR D/S MIN/2 <2MM QZ>SDVT												
						1/5M <5CM - WK FR TO STRONG SDVT	0°	50° F2? 65° F1						T9348	0.07	0.47	0.11	<0.01
					149	FR - 5MM @ WK MIN/2 IN 2-5MM SDVT		10° F2										
						NOTE - 3CM VM @ CORE QZ & RIM SD		70° F1										
						MIN/2 OVERALL WK - BEST ON QZ & QZ>SD <2MM VT	0°	75°										
	150.00				150	OCC F2 > QZ FR 1-2MM CUT BY SD VT								150.00				
						150.50 — D/S ICR SX IN VT												
						151.80 TO LC = SM WEAKENS & OCC	30°	65°										
					151	SEE NEXT PAGE SI								T9349	0.10	0.81	0.25	<0.01
								65°										
					152													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-10 — Page 12 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CO %
					152													
		153.00			153	<1% SD FR & VT 2-10 MM AV. 3 MM. >50% FAIR-STRONG SX; SD ↑ SX DCR	25°	60°						153.00				
						D/S 153.00 - RANGE 3 TO 8 / 1.5 M. BEST MIN/2 1-2 MM @ VT & SD ↑ SD VT												
					154	VARY FROM GL ↑↑ SL TO SL ↑↑ CL TO PY ↑ CL-SL;	20°	70°										
			2.67	100										T9350	0.13	0.55	0.24	< 0.01
					155			70°										
		155.67				155.67 - BR - U & L CNTS SCH EA COARSE BD - BC								155.67				
					156	WITH 8 CM MIDDLING SH-GN-HEAVY SX IN SD; BF-FINE BR, GL-SL-40%	156.0 - 159.62 MED LIGHT GRAY DOAP / FINE-MED SMDD) WITH											
			1.33	100		155.80 - STRONG-MOD-FRV-SH, PATCHES WK BR, WK SD; FR-SL ↑ CL WEAK LC-TRN	DK GRAY-BLACK 1-6 MM LM MUDS							T9351	1.92	4.20	0.73	0.01
		157.00			157	STRONG FRV DCR D/S; WK SD	D/S 157.85 - MUDS - LM TO 20 MM ROT DCR IN NO OF 1-6 MM	70°						157.00				
						157.05	LM TO L.C; LC FAIRLY SHARP;	0°										
					158	<0.5% SD-FR & <3 MM VT			15° F2 80° F1									
			2.77	95		NEAR LC - ICR FR LI (PY)								T9352	0.23	0.29	0.07	< 0.01
					159	LC. MIN/Z ZONE		40°	75°									
						159.60 - D/S ICR SD & SX	159.62 - 159.77 = MED LIGHT GRAY DOAP / FINE - (FINE)) WK SM	55°										
		159.77			160	1/5 CM - ICR D/S. 5 DVT 1-8 CM. UNMN FAIR-STRONG PATCH SL ↑ CL			65°	159.60				159.77				
						AT LC 6 CM BR-FAIR TO 10 MM SDVT & HEAVY SL	159.77 - 160.20 - MED LIGHT GRAY FINE ST OO DOAP - / MED)											
						160.47												
					161	N/CM SDVT AT TOP ICR TO 10 MM SDVT			60°									
			2.89	100		AV 2-4 MM; WK GENERALLY MOD-STRONG SL ↑ CL; VT + SX ~ 1/5 CM	160.20 - 160.47 - MED LIGHT GRAY DOMP - WK SM							T9353	1.77	3.36	0.98	0.01
						161.71 - D/S ICR SD & SX			75°	1 + <SD	2 + <		1 + <					
					162	STRONG FRV IN D/S, 8 CM BANDS @ SD & 162.25; FAIR-MOD SL ↑ CL	160.47 - 162.25 MED DK GRAY DOMP; MOD <3.4 MM HT; WK											
		162.66				FAIR 1-2 MM SD FR VT @ IRREG SX SX - OFTEN ALONG SM.	SM & ICR D/S; 161.40 D/S STRONG DELICATE BLK LM SM TO	~SM	70°					162.66				
					163	163.08 - 5-15 MM SDVT @ SL ↑ CL AT TOP & OO LC - 12 CM BR-HEAVY SD-STRONG	162.81 161.87 - 162.25 - SH-FRV-LOOKS											
						163.30 - GL ↑↑ PY ↑ SL	MED LIGHT GRAY DOMP @ GRANOEE		20° F2 60° F1S									
					164	163.67 - - -	IC AT LC	35°										
			3.34	95		UC - 9 CM SV-50% GL; D/S ~5% TO 1-7 MM SDVT WK SX; ON LC - 80 CM # 1 / 2 CM < 4 MM STRONG SX VT - SX	162.25 - 163.71 MED LIGHT GRAY DOMP. - SW SM FAIR-MOD 163.30 - 163.71 < SI OO DOAP (COARSE GRAINED)							T9354	0.71	2.83	0.73	0.01
					165	164.77 -		55°	60°									
						1-2% SD 1-2 MM FE & <1 MM QZ FR; WK < NIL SX NEAR LC 10 MM SDVT WK SX LT (PY) ↑ CL ↑ MZ											
		166.00			166	D/S ICR SD	163.71 - 165.52 MED LIGHT GRAY - DOSI (UFINE) TO DOMP		70°					166.00				
						166.27 AT TOP 10 MM SDVT & 1-2 MM QZ FR AT LC - 6 CM SW - TO 10 MM WITH	WK SM - SP BD & XCBD SP - ST WK - FAIR SI											
						166.58 FAIR GL ↑ PY ↑ ↑ SL												
					167	SEE PAGE 13			75°									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-10 Page 13 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
				167	VWK FRSD <0.5%												
					168.32 – 169.12 – BR-SH: LOOK AS PREVIOUS. LC AT PALE COLORED MODS LM OR COULD BE DOAR – (DEFINE – FINE)												
		4.27	70	168	168.32 UC-15CM HEAVY SI, WKSD BRW FAIR CL, D/S SH-FRV @ FAIR SI WKSD & WK-FAIR GL								T9355	0.34	5.18	0.91	0.01
					168.75 – BR-LC-6CM SI-INTENSE												
				169	168.82 @ 1CM CL ON LC												
					3-TO 3CM BR-WK ON LC	169.12 – 170.52 – ROCK HIGHLY FRV – LOOK DOAR (FINE – V FINE WITH PALE GREEN MODS LM – TYPICAL BASE SM UNIT											
					169.17 – 1CM CL STRONG FRV			169.17									
				170	170.05 – BR-OXD, STRONG SW SI-FAIR CL		70°										
170.27					170.52 – BREAK – HW 5 ZONE								170.27				
					171.15 –	170.52 – 171.15 – REKL DOLOSTONE INTENSE BC, OCC SEE CLASTS: WKSW VT SI	70°										
				171	BR-OXD: WK ST D/C D/S MINOR PY; SMALL BR CLASTS	171.15 – 176.85 – BR ZONE – IDENT DIFFICULT – LOOKS LIKE WKSM. DOMR.	55°										
		3.15	100	172									T9356	0.97	3.36	0.93	0.06
					172.60 – 5CM MUD – STRONG BREAK CLAST SIZE ICR OVER ABOVE BR-STRONG QZ-SI AT TOP & DCR D/S WITH SD ICR TO LC – WK PY (LI)		65°										
				173	173.61 – BR-WEAKER-MAINLY FRV, MINOR CL. PY & LI												
174.06				174	174.08 – BR-SD>QZ(SI) ~10% CL IN V.VT TO 5MM-OXD		65°	174.08					174.06				
					174.40 – WK BR-WK PY-LI AT TOP, D/S ICR GL												
				175	174.91 – 80% SX GL > 5% SL – FLUIDIZED BR. TIGHT SH BR TO – PATCHES – V VK < 3CM – SL > GL	SU BR (FRV – STRONG) AV 1CM CLASTS: D/S 176 CLASTS UP TO 3CM & ANGULAR RATHER THAN LENTICULAR; CN = 70%		5 + 10 +				< 0.3 + <					
		2.18	100		175.53 AT TOP PY > SL > > GL: D/S ICR SL TO LC ≥ SL > PY > > GL > L			175.53					T9357	5.60	7.68	1.92	0.04
				176	MINOR D/S > > SL ≥ GL – AT LC 6CM			2 + < 0.3 +				1 <					
176.85					176.53 – UC & LC – 12CM SDVN WITH MIDDLING SH-FINE BR ST > > SD: STRONG SL-15%	176.85 – 183.49 MED LIGHT GRAY TO MED GRAY DOST – DOMP		176.53 15 + < 0.3 +				2 + <		176.85				
				177	176.85 LC – 5 ZONE – LC MIN ± ZONE	WK – IN PLACES ST LONG. SM.		176.85									
					BR-UC-5CM SDVN-D/S COARSE-FINE												
				178	177.90 CLAST-WKSD RSI ~20% PY.		50°										
					UC-STRONG CRACK FR DCR D/S: <0.5% OSD FR & <5MM VT; WK PY-LI AT TOP DCR D/S.								T9358	0.54	0.21	0.08	< 0.01
		3.15	80	179			60°										
180.00					179.58 – D/S ICR SD VT & PY								180.00				
				180	1-3% SD: MAINLY 2-3 VT WITH ~50% MOD-STRONG BIMS OF PY-LI OCC 1-2MM FR PY-LI		60°										
				181			60°										
		4.0	95		AT LC – 11CM BR @ PM BF: 20%												
				182	181.65 – SEE NEXT PAGE		55°						T9359	0.39	0.30	0.20	< 0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-10 Page 4 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)		
COORDINATES	LOGGED BY	SURVEY/DEPTH	COLLAR		ZONE
		DIP			
HOLE STARTED	COMPLETED	AZIMUTH			SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK / METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Co %
				182	FAIR FR, MINOR SD FP;												
				183	182.70' 3-5cm BPS ⊥ STRONG LE		70°										
					182.15 — 183.49 – 191.58 MEDIUM GRAY & LIGHT GRAY (SP) MOTTLED. DOSI-DOMP												
184.00				184	UNDULOSE & V WITH 1-4cm BANDS OF DARK GRAY. STRONG SW	0° SM	55°						184.00				
					WORMY SP & OCC WK SM; OCC <10cm BAND MASSIVE - STRONG PERVASIVE SPMR;												
				185			65°										
		3.0	70		187.3 – 188.52 – 90% DK GRAY DOSI-DOMP ⊥ 'WORMY' - MOD AT TOP; WK AT BTM, LC - MED LIGHT GRAY. DOSI ⊥ WK SM-SP								T9360	0.05	0.02	0.01	<0.01
				186			45°										
					D/S 191.58 – THIS GIVES GOOD RELATIONSHIPS BETWEEN SM; CL & 'WORMY' ROCK												
187.00				187			55°						187.00				
						15°											
					191.58 – 191.93 – WORMY SW - MOD. MED GRAY DOSI - LC SHRD		70°										
				188													
		3.0	80		AT 188.53 – 13cm SD-QZ VN	191.93 – 192.46 – MED LIGHT GRAY DOSI DOMP ⊥ WK SW SP - SM? LC TRN HAS ∪ WK BD;							T9361	0.07	0.02	0.01	<0.01
						5°	60°										
				189		192.46 – 193.62 – ALT BANDS <10cm OF MED GRAY DOMP - WK 'WORMY' & MT AND WK MOTTLED SM - CL												
190.00				190	192.24 – 196.82 – VVK FR ⊥ UT SD; ~1/1-1.5m TO 14cm BR ⊥ SD BF;	10°	60°						190.00				
				191		10°	60°										
		3.0	95		191.58 — — — BR - QZ SD BF; HEAVY PY UC & 6cm LC								T9362	0.36	0.12	0.27	0.01
				192	191.83 — — — 192.24 4-7cm SMQZ VN - 20% PY - LT PY - XC & PISOLITIC	193.62 – 194.35 – MED GRAY. DOMP ⊥ FAIR MT, ∪ WK WORMY SP	15°										
193.00				193		194.35 – 196.0 – TOP HALF MAINLY WK UNDULOSE CL, FAIR SP WITH LOWER HALF DARK GRAY - BLACK. WK SM DOSI - DOMP;	20°						193.00				
				194	194.16 – 4cm SD/QZ VT - FAIR PY CUTS.		70°										
		3.0	95										T9363	0.24	0.02	0.02	<0.01
				195		196.0 – 204.20 MED LIGHT GRAY TRN D/S 197m TO LIGHT GRAY DOSI - DOMP ⊥ FAINT BD, SP-ST = SM? & MSD DOES XC BD IN PLACES LOOKS DEFINITE SM OTHER JUST ST.	10°	55°										
							70°										
196.00				196			60°						196.00				
					196.40 – 7cm VN - 10% PY XL, BOTRYOIDAL - MARCASITE	COMMENTS: ROOTS - FINE - MEDIUM FINE DOLARENITE ⊥											
				197	196.82 SEE NEXT PAGE	WK BD (SM?) AND SW SP & ST. NOT SM UNT	10°	65°									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-B-10 Page 15 of 16

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Soil	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ⌀ BEDDING	CORE ANGLE ⌀ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					197	19682												
						15-20% SD BF IN BRECC. BR: COARSE BR - BD>Q2 — AS PRED. - IN PLACES LOOKS FAINT FINE WAVY BD-LM-SM?											
		3.0	90			197.62	10°	75°						T9364	0.16	0.02	0.02	<0.01
					198	~1% WK SD; RARE ⓓ PY-LT												
						SD 2-5 MM & WEAKENS D/S	~10°	50°										
	199.00				199	199.13 — $ BR - WK SD; STRONG PY-LT & LOWER HALF $ SLVT ~5MM ⓓ PY-LT PY=MT?								199.00				
						199.72		70°										
		3.0	95		200	200.05 — BR-STRONG SD/SL-QZ 50-60% PY-MT?								T9365	1.06	0.03	0.13	0.01
						200.42												
					201	BR - U COARSE CLAST D/S - UP TO 10CM SD>QZ BF; WK PY-VT AT TOP												
	202.00				202	202.14 —								202.00				
						~5% VT & BLEBS & FR SD>QZ	202.32 - 202.55 - BLACK SILICLASTIC & BLACK CHERT LM; W/CM > SS CHERT = SILICLASTIC	40?										
					203	203.11 — SD VN - FAIR LT												
		3.0	75			203.35 —								T9366	0.26	0.04	0.05	<0.01
					204	FAIR 1-2% SD AT TOP - 10MM VT DCR D/S TO U WK SDER;	204.20 - 205.60 - MED LIGHT GRAY DOAP - DOSI W BLK SILICLASTIC BANDS (1-CM) & 6CM SM ON LC - SECTION BR & SD VEINED	35°										
						204.64 - 10CM SD VN 2CM PY ON LC		65°						205.00				
	205.00				205	5% SD; TO 15MM AX 5MM AT UC & DCR TO 2-3MM AD D/S.	205.60 - 207.57 MED LIGHT GRAY DOAP - (MED-FINE) IN PLACES W/ FINE-DOSI; U/AGUE BD BOCC BLACK 1-3CM BD - ROOTS SILICLASTIC? ~~LOOKS DOSI~~ LC TAKEN AT FIRST MODS LM											
					206	206.00 —		60°?						T9367	0.10	0.01	0.01	<0.01
		3.0	95			FAIR FR, 1-2MM SD VT ~<0.5%												
					207													
							207.57 - 209.00 - MED LIGHT GRAY DOAP (MED-FINE GRAINED) WITH SS LM - U THIN BEDS OF PALE GREEN DOMP & THESE ICR D/S										
	208.00				208									208.00				
							209.00 - 209.10 BLACK SILICLASTIC	15°	75°									
					209													
		3.0	90				209.10 - 213.06 DARK & LIGHT GREENISH TL - DOMP							T9368	0.93	0.03	0.01	<0.01
					210			10°	60°									
	211.00				211		D/S 211.30 - 211.70 - BAND OF DOAP - WK MT	15°						211.00				
								15°						T9369	0.05	0.01	0.01	<0.01
		2.0	90		212													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-B-10 Page 16 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					212													
	213.06				213	213.06 END OF HOLE								213.06				

092942

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-11 Page 1 of 15

ELEVATION 1842.70m | DRILL CONTRACTOR E. CARON DD | CORE SIZE NQ | TOTAL DEPTH (m) 185.59m

COORDINATES 19,937.8ZN; 9991.96E | LOGGED BY D. BOLAT & M.P. PHILLIPS

HOLE STARTED JULY 14/90 | COMPLETED JULY 16/90

SURVEY/DEPTH	COLLAR	117.04	185.59	ZONE 1,2,5,9
DIP	50°	50°	42°	
AZIMUTH	035°	028°	022°	SECTION 10,000E

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK CODE METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppm OPT	Cu %
					0	OVERBURDEN TO 2.26m												
	2.26				2	2.26 UNIT B: LAMINAR STROMATOLITES INTERBEDDED WITH DOLOSILTITE								2.26				
			2.74	100	3	SD VLTS 5% (UP TO 4mm) SOME WITH MINOR LI STAINING	35°	40°						T9370	0.06	0.02	0.01	<0.01
					4		30°	55°										
	5.00				5	PY VLTS 1/1.0m (UP TO 1.5mm) WITH BLE ZONE AROUND VLTS	40°	50°						5.00				
					6		35°	50°										
			3.0	95		6.10 DOLOARENITE								T9371	0.04	0.05	0.02	<0.01
					7	6.51 — BRECCIA (2cm WIDE); 25% BF SD; MINOR GL 6.71	30°	50°										
						UNIT E: INTERBEDDED DOLOARENITE AND DOLOSILTITE; NORMAL GRADED THIN TO VERY THIN BEDS.												
	8.00				8									8.00				
							30°	55°										
					9	Py BL (UP TO 5mm) 1% 8.83 — 10cm OOLITE BED												
			3.0	95			60°							T9372	0.16	0.14	0.05	<0.01
					10	9.97 — ICR 5% MIN/E; SL>GL ALONG SD VLTS (UP TO 25mm); FOR NEXT 7.03m 1/25cm; 1% SL+GL; SD VLTS ICR D/S	35°	50°										
	11.00				11	MINOR STOMATOLITES (LAMINAR)		60°						11.00				
					12	ICR FR. AND CV. D/S; MANY FR HAVE BL. MARGINS	30°	50°										
			3.0	100										T9373	0.44	0.28	0.12	<0.01
					13		45°	50°										
	14.00				14	13.54 UNIT C: UNDULOSE CRYPTOALGAL LAMINATE GL>>SL IN SD VLTS D/S	35°	50°						14.00				
					15	14.95 — COARSE BRECCIA WITH BF DOLOARENITE (10cm WIDE): THE LOWER 5cm OF THE BRECCIA HAS BF SD VLTS WITH >1% GL; LI STAINING	60°	45°										
			2.96	100										T9374	0.37	0.65	0.24	<0.01
					16	16.26 — 40cm oolite bed (<1.5mm diameter)	55°	30°										
	16.96				17	16.98 UNIT E: SILICIFIED GREEN MUDSTONE								16.96				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-11 Page 2 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					17	UNIT E: SILICIFIED GREEN MUDSTONE													
						— 17.30 — OVER NEXT 1.24m 2 ZONES OF BF GL&SD COARSE BRECCIA ZONES (20-25cm WIDTH); CLASTS SLIGHTLY ROTATED; STRONG LI WITH MINOR SL	50°			17.30									
					18	— ICR SD VLTS 1/3cm (1 to 40mm WIDTH; AVE. 3mm) GL≫SL D/S	60°	45°	<1	3	0	0	1	0	T9375	2.95	6.70	2.33	0.02
	18.50					— 18.48									18.50				
					19	UNIT C: UNDULOSE CRYPTOALGAL LAMINATE				18.54									
			2.50	100	20	— 19.58 — SD VLTS (1 to 2.5cm WIDTH; AVE. 2cm) 1/50cm; GL≫SL, LI	30°	25° (F2)							T9376	0.97	0.43	0.17	<0.01
	21.00				21	— 21.30 — BR COARSE BF SD AND GTZ, MINOR GL (7cm): INTERMITANT BR. ZONES (UP TO 2cm) 1/20cm D/S	25°	65° 10° (F2)							21.00				
						— 21.38													
			2.00	100	22	UNIT E: INTERBEDDED GREEN MUDSTONE AND DOLOARENITE	60°	25° (F2)							T9377	1.46	0.38	0.14	<0.01
							45°												
	23.00				23	— 22.58 — BR. COARSE BF SD (16cm WIDTH); MINOR GL; D/S INTERMITENT SD VLT SW AND BC WITH GL≫SL	35°	40°							23.00				
						— 23.02 — IC OF GREEN MUDSTONE (1 to 6mm)													
						— 23.46 — SHEETED BR; 70% INTRACLASTS 30% BF SD; MINOR GL, LI STAINED (10 cm WIDE)	70°												
					24														
			3.00	70											T9378	2.10	1.05	0.41	<0.01
					25	— 25.00 — SHEETED BR: 70% INTRACLASTS 30% BF SD; MINOR GL, LI STAINED (48cm WIDE)													
						— 25.48 — FAULT - BROKEN UP ROCK AND GOUGE ?		65°											
	26.00				26										26.00				
						— 26.35 — D/S SD GL SL VLTS (1 TO 3cm; AVE 2cm) 1/15cm; SOME VLTS WITH MINOR BRECCIATION													
						— 26.70 — IC OOLITIC BED (8cm)													
					27	— 28.87 — 1.0m DOMAL STROMATOLITES													
			3.00	100		— 27.36 — OVER NEXT 1.07m 4 SQ GL VLTS (5 TO 13mm; AVE. 9mm); 1/25cm UNIT C: UNDULOSE CRYPTOALGAL LAMINATE	40°								T9379	1.25	1.60	0.88	<0.01
					28		50°	70°											
						— 28.43 — 5-10% SQ VLTS (1 TO 7mm WIDE, AVE. 3mm) GL≅SP; INBETWEEN STRONGER MIN/Z ZONES OVER NEXT 4m	50°	70°											
	29.00				29										29.00				
						— 29.08 — 8cm WIDE CR BR; 75% CLASTS, SD VLTS, GL>SL									T9380	3.49	2.36	1.36	<0.01
			1.28	100	30	— 29.89 — SQ VN (10cm WIDE) MINOR GL; ∠ 50°		50°											
	30.28						30°	55°		30.10					30.28				
					31	— 30.72 — SD VN SHEETED; BRECCIATED SLIGHTLY WITH BF SD GL>SL; MINOR PY SOME CLASTS ROTATED; 30cm WIDE			6	3	0	0	1	0					
						— 31.39 — SD VLT SW; VLTS 1.0 TO 2.0cm WIDE; GL≅SL; BR IN SOME VLTS WITH ROTATED CLASTS; UP TO 32.00m	22°	65°											
			2.72	100	32	— 32.00 —									T9381	3.07	1.65	0.90	<0.01
							42°	70°			CONTINUED								

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No.

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ⌀ BEDDING	CORE ANGLE ⌀ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t	Cu %
					32				6	3	0	0	1	0				OPT	
	33.00					32.47 — 3cm SD VLT; GL > SL; ⊥ 70°				32.51									
					33	5% SD VLTS (1 TO 4mm; AVE. 3mm); MINOR GL									33.00				
							30°	70°											
						33.51 — 2 SQ VLTS (2 and 4cm WIDE); ⊥ 65°													
					34			55°											
			3.50	100															
					35	35.00 — 5cm POKER CHIP PLUG	30°	50°							T9382	0.69	0.30	0.11	<0.01
					36	35.80 — COARSE BR. 70% SQ BF VLTS	30°	60°											
	36.50					36.40 — 1CR. VLTS SQ; (4-7mm; 5mm); MINOR GL									36.50				
						36.64 — BR. 90% SD SL BF; CLASTS UP TO 3cm (10cm THICK)				36.64									
						36.74 — OOLITE BED - REVERSE GRADED (16 cm WIDE)													
			1.40	55	37	37.20 — BR. ROTATED CLASTS; 25% SD BF (10cm THICK); MINOR SL AND GL	35°	50°											
						UNIT C: CONTINUES			3 BF VLT	1 BF VLT	0	0	1	0	T9383	5.13	0.46	0.26	0.01
						(37.92 TO 52.74) STRONGLY MIN/Z BRECCIATED ZONE WITH STRONG FR. CL.														
	37.90				38	37.92 — 18cm WIDE BR.; 35% SD > SL ≥ GL BF; CLASTS SLIGHTLY ROTATED; MINOR LI STAINING.	35°	55°		37.90					37.90				
						10-15% SD > GL > SL FILLED FR AND VLTS (1 TO 8mm, AVE. 3mm)			2 BF VLT FR	2 BF VLT FR	0	0	1	0					
					39														
			2.70	100		39.09 — 2 SHEETED BR ZONES (30 AND 19 cm WIDE); ⊥ 60°; BIMODAL COARSE TO FINE CLASTS; 45% SL > GL >> PY BF		70°		39.09								
									10 BF VLT	5 BF VLT	0	0	3	BF VLT 0	T9384	6.65	2.84	1.36	0.01
					40	39.89 —		50°		39.89									
						10-15% SD > GL ≥ SL VLTS (3 TO 30 mm; AVE 15 mm)	35°	60°	2 VLT	2 VLT	0	0	1	0					
	40.60					40.58 — 2.23m OF SHEETED BR; COARSE TO FINE ANGULAR CLASTS ROTATED TO NONROTATED; 20% BF, SD > GL ≥ SL > PY				40.58					40.60				
					41														
									4 BF VLT	6 BF VLT	0	0	2	0					
						41.40 — STRONGLY SHEARED ZONE; CL CLOSELY SPACED; SLIGHTLY LESS SX MIN/Z IN THIS ZONE — OOLITIC INTRACLAST BED (8cm)													
			2.40	100											T9385	9.90	3.75	2.57	0.02
					42			70°											
										TO 42.81 m									
						— DOLOSILTITE/ARENITE BED; SOFT SED. DEF.		70°											

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-11 | Page 4 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TIME METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/mt	Cd %
	43.00				43	42.81 — 25% BRAIDED VLTS AND VLTS ALONG CV PLANES OVER NEXT 1.95m; SD>PY>GL≥SL; MOD. FRACTURED; VLTS 1 TO 15mm; AVE 8mm — 1.3m INTERBEDDED DOLOSILTITE AND DOLOMICRITE			42.81						43.00			OPT	
						UNIT C CONTINUES		50°	2 VLT	2 VLT	0	0	3 VLT	0					
						43.60 — NOTE: LOW ‡ PY/GL VLT IS TRUNCATED BY A YOUNGER GENERATION OF SD/GL/SL VLTS.		70°											
					44														
			3.00	90											T9386	5.49	240	1.22	0.01
								55°											
					45	44.76 — 5 BR ZONES WITH INTERZONE MIN/2 VLTS OVER THE NEXT 1.94m; BR ZONES 7 TO 17cm; AVE. 10cm WITH ANGULAR FINE TO COARSE CLASTS; BF SD>GL≥SL>PY. INTERZONE VLTS 2 TO 11mm; AVE. 4mm SD>GL≥SL>PY, 1/5cm			44.76									
									2 BR VLT	3 BR VLT	0	0	1 BR VLT	0					
	46.00				46		20°	10 (F2) 40 (F1)											
						46.70 — ICR. FR HIGH LY LT BLEACHED ZONE FROM 46.70 TO 48.22; BL OCCURS ALONG MARGINS OF FR. AND VLTS. SD VLTS WITH GL≥SL≥PY; (1 TO 30mm; AVE. 5mm)			46.70									
					47			45°											
			3.00	95					2 VLT BR FR	3 VLT BR FR	0	0	1 VL BR FR	0					
						47.65 — 2 SHEETED BR ZONES (35 AND 10 cm); FINE CLASTS WITH MYLONITIC TEXTURE; BF SD>GL>SL; MINOR PY; LT STAINING										T9387	6.05	3.41	1.49	0.01
					48			45°											
						48.22 — 5% SD VLTS OVER NEXT 2.26m (1 TO 9mm; AVE. 4mm); GL≥SL (1)		50°	48.22										
								70°											
	49.00				49	FR DENSITY DECREASED IN THIS ZONE	35°	65°											
								50°											
			T48	100											T9388	0.33	0.39	0.15	0.01
					50		20°												
							29°	60°											
	50.48					50.48				50.48					50.48				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-11 — Page 5 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TAKE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag gm/t	CD g/t
						50.45 — 20% SHEETED VLTS AT ± 50° OVER NEXT 1.34m; (1 TO 18mm; AVE. 8mm); SL ≫ GL ≃ PY	15°	50°												
					51			50°	4 VLT	2 VLT	0	0	2 VLT	0					
						51.07 — NOTE: GL RICH VEINING IS TRENDING TO SL RICH VEINING — UNIT E: INTERBEDDED M. GREY DOLOARENITE AND L. GREY DOLOSILTITE		60°											
			2.27	100											T9389	0.06	3.08	1.26	0.01
					52	51.82 — 2 BR. ZONES (16 and 10cm) WITH INTERZONE AREA OF BC. BR ZONES HAVE BF SD > SL ≫ GL > PY (SAME AS THE BC ZONE). CLASTS ARE MAINLY FINE WITH SOME COARSE. MINOR QTz IN LOWER MOST BR.		65°		51.82									
	52.75								6	3	0	0	1	0					
					53	52.73 — END OF ZONE OF SX MIN/2	35°	55°		52.73					52.75				
						FRACTURE DENSITY WEAK; SD VLTS (1 TO 5mm; AVE 2mm); 1/40-50cm; MINOR PY BLEBS														
			2.25	100	54		30°	65°							T9390	0.03	0.09	0.03	<0.01
	55.00				55										55.00				
					56														
			3.00	100		SOFT SED. DEF.: SLUMP STRUCTURES AND NEPTUNIAN MICRODYKES									T9391	0.03	0.04	0.02	<0.01
					57														
	58.00				58										58.00				
					59														
			3.00	100		1% PY VLTS (UP TO 2mm)									T9392	0.02	0.02	0.01	<0.01
					60														
	61.00					60.60 — MIKE STARTS LOGGING									61.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-11 — Page 6 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CD %
					60													
						START: 60.6 BOX 12 — 60×60 – 63.80 – UNIT E – DOAR – MED LIGHT GRAY TO LIGHT GRAY (FINE SAND); CO LM-MED GRAY DOAR & BLACK MUDS; LM – WEAKEN D/S & DISAPPEAR D/S 63.8; LM PLANAR – WK LOAD CASTS	25°										
	61.00				61										61.00				
					62	62.18 – F2>F1 SD-QZVT TO 5MM PY>>SL>CL	15°	65°S											
			3.00	100		62.51 –								T9393	0.55	0.13	0.08	<0.01
						62.90 – 63.15 TC – 1 TO 3CM ~50% COARSE SAND – GRANULE – PLATY CLASTS												
					63	63.00 D/S ICC – DVT & SX 6/2M – SQVT 1-4MM – FAIR – STRONG SX; SL>>CL; <1-2 MM VT = QS	20°	30°N F2 70°S F1										
						D/S 63.80 – DOAR, FINE SAND, LIGHT GRAY, FAINT SS (WK) BD, BARITIZED												
	64.00				64	LOOKS REVERSE GRADED LC = 67.90	25°	65°						64.00				
						64.15 WK 1-2MM SDVT – PY ONLY												
			1.28	100			20°	30°N F2 75°S F1						T9394	0.33	0.06	0.03	<0.01
	65.28				65	65.30 – WK SW F2>F1 AT JCT LOCAL BR AT TOP & BTM SL>>CL>PY & MIDDLING STRONG PY; VT 1-4MM								65.28				
					66	65.87 – VT – STRONG MIN/Z VVWK FR SD	35°	55°S										
			3.30	100	67	66.84 – 4/0.5M: QS & SQ-3-10MM AV 3MM FAIR-MOD SX PY>>SL>CL & LC SL>>CL		65°						T9395	0.93	0.11	0.06	<0.01
						67.42 – 67.50 AS ABOVE: BECOMES STRONG LM & ON LC 15CM WHITE QZ & DK CHERT ALONG BD; LC LOOK TRN												
					68	67.90 – 68.10 – MED GRAY, FLAT & TOP & D/S UNDULOSE; DOAR (FINE); WK BD – SPAR & NEAR LC ~10CM UNDULOSE CL; UNIT E	35°	50°									
	68.58					V WK (<0.3%) SD VT; 1 SECTION 5MM SV – SL>>CL								68.58				
					69	68.10 – 69.64 IC – UC ~10° & LC – 50% 12CM ON LC – 1CM CLASTS IN A FINE – MED SAND MATRIX; D/S – CLASTS TO 12CM OF UNDULOSE CL & FLAT SM IN FINE – COARSE SAND MATRIX.												
			2.92	100	70	70.15 – A 0.5M SD VT 2 – 10MM AV 5MM FAIR – STRONG SX SL>>CL>PY.	25°	65°						T9396	0.40	0.05	0.03	<0.01
	71.00				71	70.60 –	35°							71.00				
						V WK (<0.3%) SD – MAINLY IRREG SD FP; D/S 72.50 – PLEB CRACK & VT 1-PY;												
			3.0	100	72	69.64 – 69.93 – ~50% BLACK MUDS LM – UTHIN BD TO 4CM IN A SPOTTED CL – COARSE GRAINED;								T9397	0.04	0.04	0.06	<0.01
						69.93 – 71.32 – SPOTTED (COARSE SAND SPY) AT UC & D/S UNDULOSE CL – BOTH IN (MED-FINE) MED GRAY DOAR												
					73		20°											
	74.00				74	71.32 – 72.45 – OOBD – COARSE ANGSI AT TOP HALF & SI FINER GRAINED LOWER HALF TO SILT SIZE, REVERSE GRADED	15°	70°						74.00				
					75		10°							T9395	0.02	0.01	0.03	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-1 — Page 7 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t	Au %
					75	SEE PREVIOUS PAGE											OPT	
						72.45 - 76.50 - MEDIUM LIGHT GRAY DOAR (FINE-U FINE) FAINT MED GRAY LM - MUDDY, DOST-DOAR & 2-20MM BD-LM OR BLACK - DK	35 50°	60°S									
	76.45				76	76.45 — — — —												
						GRAY, MUDS: SS, MC, NEPTUNE DYKES COMMON; OCC <1CM BAND GRANULE IC;												
					77													
						BC - <5% SD BF - TRACES GL MOST WHITE SD - LOOSE SD MINOR YEL SD WHERE BC-BR BETTER DEV												
			3.00	100	78	76.45 - 79.45 - BR 76.45 - 77.10 - CLASTS TO 6CM - LIGHT COLORED DOAR AS ABOVE; OO DOAR (COARSE) & DK GRAY (MED GRAINED) SPOTTED CL; 77.10 - 79.45 2 SMTTED & UNDULOSE CL, CLASTS TO 6CM									T9399	0.16	0.02	0.02	<0.01
	79.45				79	79.45 — — — —												
					80													
						V WK (40.3%) FR SD; FAIR BLEB & CRACK FI-PY.												
						79.45 - 81.38 - OOLITE BD - COARSE AT TOP & FINE GRAINED AT BTM; COARSENING D/S; PATCHES <10% TO 10CM SI; NOTE SEEN OO BUT DOLOMITIZATION PART TO COMPLETELY ELIMINATED OO TEXTURE; DOAR COLOR - MED DK GRAY;		70°										
			3.55	80	81	AT 80.35 DRILLER REPORTS FAULT								T9400	0.09	0.05	0.03	<0.01
					82													
	83.00				83	81.38 — LIGHT MED GRAY DOAR (FINE-U FINE) BC WK MED GRAY LM & FAIR PAIRING - OCC 5MM DK GRAY - BLACK MUDS; MC, SS, NEPTUNE MACRO DYKES COMMON;	SS 20°	70°S						83.00				
					84		20°	75°										
			3.00	100		D/S 84.4 - AS PREVIOUS D/S MUDS								T9401	0.02	0.01	0.02	<0.01
					85	LM TO 6MM ABSENT; APPEARS FINNING TO 80.95'; LG CUT TAKEN AT START OF PALE GREEN MUDS - 5MM LM	20°	70°										
						85.34 D/S SLIGHT ICR SD VT TO 5MM												
	86.00				86	0.5-1% SD FR - 5MM VT AV 1-2MM FAIR PVUT, CRACK & SD VT - PY & LI	20°	70°						86.00				
					87		10°	70°S										
			3.00	100		87.08 — —								T9402	0.02	0.02	0.02	<0.01
					88	NIL SD FR & VT; FAIR FR LI-PY	SS											
	89.00				89	D/S 89.85 - 92.13 GREENISH GRAY TO LIGHT MED GRAY DOST (UF DOAR) IN PLACES POMP WITH TO 15MM LM & SMALL TROUGH FILLING MED SAND DOAR - MED GRAY COLOR DUE TO BIG OO; STRONG SS, NEPTUNE DYKES	SS	60°						89.00				
					90													
			3.00	100		OCC LM 5-10MM GREEN MUDS UNIFT;	0	65°						T9403	0.41	0.09	0.06	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-11 Page 8 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					90												OPT	
							SS 0-30°	65°										
					91	91.44 STRONG PY-QZ-SD VT <3-4MM												
	92.00					91.82								92.00				
					92	BR-WK ## BR DIS UC AT LC (CM QZ>SD VN; STRONG LT (<1% PY)) 92.13 - 98.00 MED LIGHT GRAY DOAR/FINE); W FAINT BD & FAINT <2MM GREEN DOMR-LM; OCC SEEN BD&SW-VFINE QZ												
					93	92.13 — 1-2% QS>SQ VT 2-5MM AV 2-3MM FAIR PY-LT; TRACES SL, NIL GL	0°											
			3.00	100		VT CONC IN 3-10CM BANDS MOST F1 OCC F2 OR BD								T9404	0.70	0.09	0.06	<0.01
					94	NOTE SDQZVT - SD CORE & SI EIM	0°	60°										
	95.00				95	95.12 —	0	60°						95.00				
					96	~1% FR RARE 2-3MM SDVT WK CRACK - FR LT-PY. 96.00 - 98.00 - LC ± MIN ½ BR AS PREV - W MOD LM OCC DK GREY-BLACK MUDS-DOME & UP TO 4CM BED W STRONG SS	SS 65	20° NF2 70° S F1									
			3.15	100	97	97.15 — ICR VT & SY D/S; 3-5% QZ QS VT 1-8MM AV 2-3MM FAIR SL ALONE & OTHERS PY-LT ONLY	15°	70° S						T9405	0.99	0.04	0.05	<0.01
					97.7	98.00 - 107.25 SIMILAR TO ABOVE MED LIGHT GRAY DOAR/FINE - V FINE (W WK 1BREC (MM - OCC 5MM) PALE GREEN DOMR-MOBS SS												
	98.15				98	97.91 BR-OXD. INTENSELY PY? 98.15 SD>QZ VN BR-COARSE <2CM CLASTS; HEAVY 10CM	60° (BR)							98.15				
						98.34 SD ON LC; FAIR PATCHY-HEAVY SL			98.34									
						BR-COARSE ~50-60% CLASTS 7CM TO 2CM IN A FINE CLAST-SD MATRIX TO 98.77; TO 98.77 PATCHY			7+	0	0	0	0					
			1.88	100	99	STRONG SL; 20CM ON LC. HEAVY SL MATRIX TO CLASTS 98.97 — 1-10MM QZ FR2VT W WK-HEAVY SL ON F2 35% F1 SDVT TO 10CM VT & RIBS - BARREN TO WK SL			98.97					T9406	6.10	0.17	0.17	0.01
						99.40 BR-GN-FRV - MATRIX 30% SL-MINOR QZ												
						99.51 SL-IN FR2 PATCHY WK <2CM BR.												
	100.03				100	99.90 BR COARSE-WK GN ~25% MATRIX-SL & WK ST 100.03 — WK CRACK-FR SL & ON LC-7CM												
						100.27 V WK BR-FAIR-MOD SL; SL ASSOC SI ALT			100.27					100.03				
					101	5-7% SD; CASHES & FR; VT 1-30 MM AV 5-8MM AND 1BREC 2-10CM COARSE BR - ~1/0.5-1M TRACE SL & GL	30°	70°										
			2.97	100	102	NOTE - WIDEST SDVT SEEN IN HOLE - SINKE COLLAR	~	75°						T9407	0.26	0.03	0.03	<0.01
						102.14												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-11 Page 9 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK CODE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
					102	-102.14 101.16 - 103.65 - AS PREV - DCP. PALE GREEN DOMP. - ALMOST											OPT	
	103.00					VWK (<0.5% SD VT 1-4MM. ABSENT - OCC < 3MM AV 1MM. BLACK MUDS LM - SECTION LOOKS STRONGER	SS	60°						103.00				
					103	-103.44 - SS THAN NORMAL												
						1-2% SD. FR CRACKS & VT TO 6MM AV. 2-3MM. MOST MIN'Z ASSOC. D/S BACK INTO IL PALE GREED DOMP & MED LIGHT GRAY DOAR (FINE-U	SS	70°										
					104	WITH <1-2MM QZ + WK SL FINE; LM. 1-4MM												
			3.00	100										T9408	0.24	0.05	0.03	<0.01
					105		0°	75°S										
	106.00				106	106.08		70°						106.00				
						VWK BR - WK PY-LI INFR 106.28												
					107	1-2% SD - MAINLY AS FR - 2MM VTED	SS 0-40°	70°S										
			3.26	90		D/S ~108 ICR SD CASH - 8MM SDVT & ICR FR SL (WEAK)												
						107.25 - 118.95 NOT A MAJOR CHANGE FROM ABOVE - STILL UNIT E - LM DOMP - MUDS - DK GRAY												
					108		40°							T9409	0.56	0.03	0.02	<0.01
						INTERLM - TENDING TO MED GRAY DOAR / FINE) AND DK GRAY TO												
					109	-108.82 BP - WK ± - VT < 2MM & FR SI ~ 3%	15°	55°S										
	109.26					-109.26 BLACK MUDS - ICR WIDTH D/S UP TO 2 CM. TO 0.3M BANDS STRONG SS: AT TOP PALE GREEN DOMP MUDS ~ 108.75								109.26				
					110	2% SD - INFR FR & DCR D/S	SS 40°?	65°N										
						UNIT - NEPTUNE DYKES: LOAD CASTS & MC: DOAR - TENDING TO V. FINE: BD - PLANAR @ WK SS. & TO 0.3M BANDS STRONG CS												
			2.14	100	111		25°	70°N						T9410	0.04	0.04	0.02	<0.01
						AT LC - ~2CM SD SW @ FAIR SL												
	112.00				112	-111.76	30°							112.00				
						~2% SD FR TO 15MM VT AV 3-5MM @ TRACE SL & CL, RARE <4CM												
					113	WK BP @ FAIR SL; WK FLEDS DVT PY	35°											
			3.00	100										T9411	0.02	0.04	0.02	<0.01
					114		20°											
	115.00				115		35°	80°						115.00				
					116		SS 10°	75°										
			3.00	100										T9412	0.01	0.02	0.01	<0.01
					117		80°	70°N										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-11 | Page 10 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					117	UNIT F 118.45 - 121.68: UC TRN BK MODS. LM REPLACED BY PALE to DK GREEN MODS; ROCKS FINER GRAINED;													
	118.00				118	SEE PREV.	20°	65°N						T9413	0.01	0.02	0.02	<0.01
						INTER LM STRONG) MED LIGHT GREEN DOST > PALE - MED GREEN DOMR - MODS; SS FAIR, LCAST & NEPTUNE DYKES;													
			3.00	100	119		20°	70°N										
					120	UNIT E 121.68 - 124.60 GREENISH GRAY MED-FINE DOAR W WK MT IN NARROW BANDS; D/S ICP 1 M PALE GREEN) DOMR.	55	70°											
	121.00				121	LC - LM - DARK GREENISH GRAY - MODS - DOMR BECOME COMMON	10°	70°N						T9414	0.01	0.04	0.02	<0.01
						121.49 - ~50% BANDS < 5CM WKBE - $$ - STRONG 121.68, SDON 4CM LC - MINOR SL													
			3.0	100	122		0°											
						<0.5% FR - 7MM SDVT TRACES PY SL LGL INVT												
					123	UNIT E 124.60 - 134.85 MED GRAY, DOAR - DOST (FINE-U FINE) SILT?)	0°											
	124.00				124	@ 1-10MM LM OF DK GREENISH GRAY MODS - DOMR, SS ETC	0°? SS							T9415	0.01	0.02	0.02	<0.01
					125	* SINCE 118.45 - DOAR - LOOK MAINLY DOST	0°	70°										
			3.0	95	126		0°	80°										
	127.00				127		0°	75°						T9416	0.01	0.02	<0.01	<0.01
						127.85												
			3.0	100	128	VV WEAK (<0.3%) <1 FR - 2 MM VT WK BLEB LI-PY NEMBLC	0°	75°										
					129		0°											
	130.00				130		05°							T9417	0.03	0.02	0.01	<0.01
					131		55 0-25°											
					132		15°											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-11 — Page 11 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					132	AS PREV												
	133.00				133		20°	70°S						133.00				
					134		20°											
			3.00	100		134.25 - ICR SDVT								T9418	0.02	0.03	0.01	<0.01
					135	1-2% SDVT 1-15MM AV 2-4MM TRACE CL & PY;	134.85 - 141.60 UCTRN - BLK LM BECOME PALE - DARK GREEN WITH SUBORDINATE MED-DK GRAY LM	SS 25										
	136.00				136	D/S 139M SDVT DCR	MED-LIGHT LIGHT GRAY DOSI-V FINE DISPY; W LOC-FAIR LM-5MM PALE GREEN TO DK GRAY DOMR-MODS	SS	60°						136.00				
					137		U. STRONG SS; V FINE PY OCC MEAUM DISS IN <2CM BANDS	SS 0-15°										
			3.00	100			141-141.60 ICR LM BLK MUDS							T9419	0.02	0.02	0.01	0.01
					138			15°	60-80°S									
	139.00				139			SS 0-15°						139.00				
					140			40°										
			3.00	100				30°	80°S					T9420	0.01	0.02	0.01	<0.01
					141		141.60 - 151.58 - DOSI - MED. LIGHT GRAY. COLOR TENDING TO U F SAND WITH DK GRAY TO BLACK LM - OCC 25MM DOMR - MUDS OFTEN U STRONG IN 0.5M BANDS - SS ETC - BUT NOT AS STRONG AS PREV SECTION											
	142.00				142	142.30 — D/S DCR SDVT		30°	65°S					142.00				
					143	0.5-1% SDVT - <2MM VT & EP D/S 143.40 F2 7 F1 & ~30° X S TO 145m	D/S 146 - DK GRAY - BLK LM - V WEAKER; LOCALLY AV 1CM UP TO 4CM BDS OF DARKER, OCC MED GRAY DOMR OCC DI 00; D/S 145 PALE GREEN UM DOMR - N-DS LOCALLY STRONG.	20°									
			3.00	100										T9421	0.01	0.03	0.02	<0.01
					144			35°	20° N F2 75 S F1									
	145.00				145			35°	30° N F2 70 S F1					145.00				
					146			35°	70°S									
			3.00	100										T9422	0.01	0.02	0.01	<0.01
					147			35°	75°S									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 308-11 — Page 12 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES AT	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
						151.58 – 152.11 – MEDIUM LIGHT GRAY FRV MED-COARSE SAND DOAP – WK SM											OPT	
	148.00				148	OCC LM DOMP – LC. TRN		60°						148.00				
						AS PREV												
						152.11 – 156.15 – MED GLAMS M UNIT – VARIES FROM DELICATE LM SPA. DOMP												
					149	TO STRONG SP UNDULOSE CL; OCC 10 CM BAND DOMP	55°											
			3.14	95										T9423	0.09	0.11	0.11	<0.01
					150	149.70		155.21 – 155.46 MED-COARSE SAND. OO DOAP – WK PATCHY ST	50°	55°S								
						SLIGHT ICR IN F1 4MM QZ & 2-10MM SD VT & NEAR LC. ICR MIN/2												
						WK SL ASSOC QZ & QSVT & FP UC 5 ZONE MIN/2		156.15 – 156.45 – MED GRAINED OO DOAP – IN DOMP MATRIX		60°								
	151.14				151	151.10 SM BR-GN MXSX-SL2GL2PY			151.10					151.14				
						151.25 BR-FRV AT TOP & COARSE BR ON LC		156.45 – 164.55 MEDIUM LIGHT GRAY; HIGHLY FRV & BP – LOOKS LIKE INTER LM & BD DOSL & DOMP	10 +	3 +			1 +					
						151.46 – WK SX; LI YSL & CL												
						BR – $ BR AT TOP & D/S INTO COARSE BX HEAVY BRAIDED MXSX		NO GREEN OR BLACK MODS LM	151.67									
						151.67 30% 10MM F1&F2 SDVT-STRONG SL2GL		SEEN – UNIT F : D/S 162	5 <SD	1 <SD			1 <SD					
					152	151.90 WK FP SL & NEAR LC SDVT – MINOR SI		GREEN MODS LM DRAGGED ALONG FRV;	151.90 0	0	0	0	0					
						152.35			152.35									
			3.86	100		STRONG SW (F1&F2) SDVT TO 10MM Ø STRONG SL-2GL – 7% SX			4 <SD	3 <SD	0	0	0					
						VT IN PLACES GRADES INTO WK BR	SM											
					153	152.90			152.90					T9424	5.55	4.90	4.90	0.01
						~50% TO 10CM BR; SW SV-SDSKVT AT TOP BP STRONG BRAIDED MXSX			16 +	10 +	0	0	3					
						BR CNTS IRREGULAR												
						153.53			153.53									
						MINOR FR SL AT TOP NEAR LC 10MM SDVT+SX & ON LC 4CM BR – HEAVY SX – SL2PY2GL	SM-CL		2 <SD	1 <SD			2 <SD					
					154	153.92												
						25CM BAND ± 5-15M SV & WK FP SV												
						154.50			154.50									
						COARSE FP Ø – CLASTS IN SX (HEAVY) SD			15 +	15 +	0	0	5 +					
	155.00				155	MATRIX = 90%; SX – BRAIDED AROUND CLASTS								155.00				
						155.23			155.23									
						155.38 SV TO 15MM & 5-7CM FP IN TOP HALF	15°/7											
						& AT LC – 13CM BR; BR MATRIX – BRAIDED MXSX ~15-20% PY2GL2SL			3 +	5 +			10 +					
					156	155.98	SM 0°		155.98									
						SEE NEXT PAGE												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-11 Page 13 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					156	155.98			155.98									
						WK FR & SDVT < 2-3MM : FAIR SX - PY 7 SL 7 GL , WK 10CM BR NEAR UC	10°	65°										
						156.68			156.68									
			3.80	100	157	$ BR - CLASTS 1-2CM @ SD & SX MATRIX ~10% # WEAKENS NEAR LC : PY HIGHEST TOP D/S ICE SL & AT LC & SSI ~7% SX			3 +	2 +			2 +		T9425	5.19	4.66	2.88	0.02
						157.16			157.76									
					158	10C - 25CM $ BR - TOP SX MATRIX TO LC : D/S COARSE BR - CLASTS TO 8CM @ 20% SX - SD MATRIX . ON LC 25CM FINE BR - 60-70% SX & SD MATRIX	60°		10 +	5 +			15 +					
						158.52 > PY > SL > SL $ BR WK PY MINOR SL-GL AT UC & ON LC 8CM QZ (SX) BR W 50% PY			158.52 1 +	1 +			10 +					
	158.80				159	158.80 LC MIN Z ZONE	60°		158.80					158.80				
						STRONG FRV = WEAKENS D/S												
			2.20	100	160	SDVT AV. 1-3MM ALONG F1 & VT TO 10MM NEAR LC PY - VT & SV - WEAK SL, MINOR CL	70°							T9426	056	0.17	0.15	0.01
	161.00				161		65°							161.00				
						161.54 - WEAK BREAK - D/S WK-FAIR BND												
					162	FRV-MOD & WEAK EC OCC HEAVY PY < 2CM BF - FRV & BC	15°											
			3.00	100		162.45								T9427	0.17	0.09	0.08	< 0.01
						STRONG FRV - 60% : 10-15% SDVT FAIR-MOD PY : WK $ BR												
					163	162.85	65°											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-11 — Page 14 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					163	162.85												
						HEAVY FRV 5-15% SD ALONG F1 SD BR; FAIR LI (PY)												
	164.00					163.60 MAIN BREAK 5 ZONE - HIGHLY OXD SH PP DECOMPOSED								T9428	0.02	0.01	0.01	<0.01
			3.00	90	165	169.55 2-4% SD VT TO 3MM												
						165.81 - D/S STRONG ICR IN SD VT												
					166	~20% SQ - FR TO 6CM VN AU 5-30MM												
	167.00				167									T9429	0.01	0.01	<0.01	<0.01
						164.55 - 167.85 - HYBRID - IRN DOAR FROM: DOSI / DOMR?												
					168	D/S 167.85 - SD ON FLATTER THAN USUAL F1 (30-45°) & F2/C (10°) SDVT WELL DEVELOPED	DARK-MED GRAY DOSI w LM (SS) DEPALE-DARK GREEN DOMP- & DOAR MED LIGHT GRAY w WK LM OF BLACK MODS	10° F2 35° F1	35° F1 05° F2 40° F1									
			3.00	100	169													
	170.00				170	167.85 MED LIGHT GRAY OCC LIGHT GRAY DOAP (MED GRAINED); WK MT; NON-ST								T9430	0.01	0.01	<0.01	<0.01
						170.30 - DCR SD D/S												
					171	5-8% SD, FR BLEBS & VT TO 2MM AU 3-8MM; STRONG FINE FR; F1 - FLATTER THAN NORMAL & F1 SD VT WK-FAIR;		10° 70°											
			3.00	100	172			35°						T9431	0.01	<0.01	<0.01	<0.01
	173.00				173			40°										
					174			45°										
			3.00	100	175			35°						T9432	0.01	<0.01	0.01	<0.01
	176.00				176			20° F2 75° F1										
					177	176.85 - D/S SHARP DROP IN SD VT		50°										
			3.00	100		SEE NEXT PAGE								T9432	0.01	<0.01	0.01	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-11 Page 15 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					177													
					178	1-2% SD 1-2 MM & MOSTLY F2 0-20°;		10° F2										
	179.00				179	D/S 179.5 - CORE BROKEN FR SUB // & & NOT SD		10° F2 70° F1						179.00				
					180	FILLED: SD VT < 1MM. SEH: SW; WK CY ON FP												
			3.00	100										T9433	< 0.01	0.01	0.01	< 0.01
					181			35° F1?										
	182.00				182									182.00				
					183			40°										
			3.00	100										T9434	< 0.01	0.01	0.01	< 0.01
					184	D/S ~185 - CORE MORE COMPETENT		20° F2										
	185.00				185			25° F2 40° F1						185.00				
					186			70°										
					187													
			4.59	100				25° F2 60						T9435	< 0.01	0.01	0.01	< 0.01
					188			60° F1										
					189			10° F2 60° F1										
	189.59					188.59 END OF HOLE								189.59				

A90B55

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-12 Page 1 of 21

ELEVATION 1813.59 DRILL CONTRACTOR E. CARON CORE SIZE NQ TOTAL DEPTH (m) 278.6

COORDINATES 19,850.07 N ; 9955.26 LOGGED BY D. BULAT & M.P. PHILLIPS

HOLE STARTED JULY 16/90 COMPLETED JULY 21/90

SURVEY/DEPTH	COLLAR	152	270.3		ZONE 1,2,5&9
DIP	-50°	-49°	-44°		
AZIMUTH	035°	032°			SECTION 10,000E

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK / METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					0	CASING TO 3.96 m ; CORE STARTS AT 1.57 m												
					1													
	1.57				2	1.57 — UNIT: INTERBEDDED OOLITES AND DOLOARENITE; REVERSE GRADED; L. TO M. GREY.	40°	65°						1.57				
						2.29 — 2 SQ VLTS (2 mm WIDE); 40; MINOR GL; LI STAINING												
					3	2.59 — UNIT: INTERBEDDED M. GRAY DOLOARENITE; L. GREY DOLOSILTITE, AND D. GRAY MUDSTONE; NORMALLY GRADED												
			3.43	85		3.08 — BR. COARSE (5 cm WIDE); 50% BF SQ; CLASTS ANGULAR AND ROTATED								T9436	0.01	0.29	0.07	< 0.01
					4	2% SD VLTS (0.5 TO 2 mm; AVE 1 mm); ALONG FR AND CL. ; MINOR PY BL	25°	50°										
	5.00				5		35°							5.00				
					6			70°										
			3.0	95			25°							T9437	0.18	0.06	0.02	< 0.01
					7	6.98 — 10% SQ VLTS OVER NEXT 1.41 m ; VLTS (1 TO 30 mm ; AVE. 3 mm) SQ > SL > GL >> PY ; < 1% Pb + Zn	20°	65°										
							10°	70°										
	8.00				8			65°						8.00				
						8.39 — 2% SQ VLTS (UP TO 2 mm WIDE)												
					9		30°	65°										
			3.0	95		9.42 — 20 cm INTRACLAST BED	45°	60°						T9438	0.18	0.03	< 0.01	< 0.01
					10	9.61 — SD VN (> 7 cm WIDE) OVER 33 cm. 2 PHASES OF VN WITH WHITE LOW Fe SIDERITE FR AND VN WITH HIGHER Fe SIDERITE AND QUARTZ												
						10.06 — 34 cm BC ZONE WITH SD VLTS (UP TO 2 mm) INFILLING ALONG FR.												
	11.00				11	10.62 — 17 cm WIDE INTERCLAST BED WITH 0.5 cm OF OOLITES AT THE BASE.	70°							11.00				
						1% SQ VLTS (UP TO 2 mm)												
					12		40°	70°										
			3.0	95										T9439	0.03	0.03	0.01	< 0.01
					13		25°	45°										
						NEPTUNIAN DYKES AND SOFT SED. DEFORMATION	50°	65°										
	14.00				14		50°	70°						14.00				
						D/S FR INTENSITY ICR ; BL ICR. D/S WITH LI STAINING (OXD. PY ?)												
					15		40°	65°										
														T9440	0.87	0.22	0.05	< 0.01

ASSAYED

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-12 Page 2 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
						UNIT E: CONTINUED FROM PAGE 1												
					16	16.17 — SD VLT (10cm WIDE); SD>GL; VERY STRONG LI STAINING; ZONE SURROUNDING VN VERY HIGHLY BL	20°	60°										
	17.00				17	CL WITH LI VLTS (ORIGINALLY PY?) 1/25cm; ALTERATION ZONES (OXD?) ALONG LI VLTS; BL ZONES TAN YELLOW TO ORANGE	45°	55°						17.00				
							45°											
					18		40°											
			3.0	90				45°						T9441	0.05	0.02	<0.01	<0.01
					19	BARREN OF MINERALIZATION												
	20.00				20									20.00				
							40°	10(F2) 60(F1)										
					21		40°	50°										
			3.0	95										T9442	0.01	0.01	<0.01	<0.01
					22	D/S BL DCR SLIGHTLY	30°	50°										
	23.00				23	<1% SD VLTS (UP TO 2mm; AVE 1mm) — UNIT E: NORMAL INTERLAM. BEDS OF L. GREY DOLOARENITE (SOMETIMES CROSSBEDDED) WITH D. GREY DOLOSILTITE AND DOLOMUDSTONE; STRONG SOFT SED DEFORMATION	30°	45°						23.00				
						23.65 — INTRACLAST BED 10cm THICK	30°	65°										
			3.0	90	24									T9443	0.01	0.01	<0.01	<0.01
					25		25°	60°										
	26.00				26	26.00 — 1cm WIDE FINE BC WITH BF SD	40°	60°						26.00				
							30°	55°										
			3.0	95	27									T9444	0.02	0.01	<0.01	<0.01
					28		25°	60°										
	29.00				29	FR. CL IOR D/S 1/10cm	30°	60°						29.00				
					30													
			3.0	95		30.40 — 5 BC ZONES (2 TO 6cm; AVE. 4cm) 1/50cm OVER NEXT 2.48m. BF SD WITH STRONG LI STAINING								T9445	0.02	0.01	0.01	<0.01
					31													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-12 Page 3 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					31	UNITE; CONTINUED FROM PAGE 2 2% SD VLTS ALONG CL PLANES (1 TO 4mm; AVE 2mm); LI COMMON ALONG FR OR IN VLTS.												
	32.00				32		50°	65°						32.00				
					33	32.96 — LI BL ZONE WITH LI IN VLTS (OXD. PY?) & 10°; ZONE EXTENDS FOR 10cm; MINOR GL	45°	60°										
			3.0	95										T9446	0.03	0.02	0.02	<0.01
					34	1% SD VLTS ALONG CL (UP TO 1.5mm)	20°	65°										
	35.00				35		30°	60°						35.00				
						35.26 — STRONG POKER CHIP CL & 50° FOR 43cm; BR AT 35.47 (4cm WIDE) AT INTERSECTION OF F_1 AND F_2; FINE TO COARSE ANGULAR BR WITH BF SD >> LI (PY) > QTZ; MINOR GL?												
					36			50°										
			3.0	0.0			30°							T9447	0.06	0.04	0.01	<0.01
					37	FR CL INTENSITY LOW: <1% SD VLTS (UP TO 2mm WIDE) UP TO 43.66.	40°	70°										
	38.00				38		25°	50°						38.00				
					39		25°	50°										
			3.0	90										T9448	0.06	0.02	<0.01	<0.01
					40	COARSE DOLOARENITE INTERBEDS UP TO 10cm WIDE OVER NEXT 2m.	25	50°										
	41.00				41		40°							41.00				
								65°										
					42		30°											
			3.0	95				70°						T9449	0.02	0.01	<0.01	<0.01
					43		35°	55°										
	44.00				44	43.66 — 2cm WIDE SD VLT; MINOR BR; 2% SD VLTS (UP TO 2mm) SOME WITH BL RIMS SURROUNDING VLT	35°	70°						44.00				
					45	44.70 — 2cm QS VLT; BORDERING LITHOLOGY IS SILICIFIED	60°	40°										
			3.0	100		45.49 — BC OVER 4cm; BF SD; LI STAINED								T9450	0.02	<0.01	0.01	<0.01
					46	45.90 — DK BL (UP TO 25mm); LI STAINING COARSE DOLOARENITE (UP TO 3mm GRAINS) INTERBEDS UP TO 10cm WIDE OVER NEXT 3.3m	25°	50°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-B12 Page 4 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)		
COORDINATES	LOGGED BY	SURVEY/DEPTH	COLLAR		ZONE
		DIP			
HOLE STARTED	COMPLETED	AZIMUTH			SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E : SAME AS PAGE 2)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
– –	47.00	– –	– –		47	2% SD VLTS (UP TO 2mm); LI STAINING ALONG FRACTURES; CONTINUES UP TO 63m; PY BL (UP TO 35mm) 1/3m	25°	60°						47.00	– –	– –	– –	– –
					48		35°	65°										
			3.0	100										T9451	0.02	0.01	0.01	<0.01
					49		30°											
– –	50.00	– –	– –		50		35°	60°(f1) 10°(f2)						50.00	– –	– –	– –	– –
							35	45°										
					51													
			3.0	100			30°							T9452	0.02	<0.01	0.01	<0.01
					52		35°	60°										
– –	53.00	– –	– –		53	53.00 — SHEETED QL ZONE WITH MICRO DISPLACEMENT ALONG QL AND FR; INFILLING SD VLTS (UP TO 2mm); 6cm WIDE								53.00	– –	– –	– –	– –
							35°	50°										
					54													
			3.0	100										T9453	0.02	0.01	0.01	<0.01
					55		25°	60°										
– –	56.00	– –	– –		56		40°	60°						56.00	– –	– –	– –	– –
					57		40°	50°										
			3.0	100										T9454	0.01	0.01	0.01	<0.01
					58		45°	35°										
– –	59.00	– –	– –		59	58.90 — UNIT E: INTERBEDDED L. TO M. GREY DOLOARENITE/ DOLOSILTITE WITH L. BUFF GREY DOLO-	40°	70°						59.00	– –	– –	– –	– –
					60	SILTITE/DOLOMICRITE BEDS. INTERBEDDED PEBBLE CONGLOMERATE AND INTRACLAST ZONES ARE COMMON	30°	60°										
			3.0	100										T9455	0.01	0.01	0.01	<0.01
					61		40°											
– –	62.00	– –	– –		62		40°	62°						62.00	– –	– –	– –	– –

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-12 Page 5 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E: CONTINUED FROM PAGE 4)	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu o/b
					62													
							45°	55°										
			3.0	100	63	63.20 — FR INTENSITY ICR; 5% SHEETED FR CL AND FR TO 68.01m. INFILLING FR AND ER CL IS SD VLTS (1 TO 8mm; AVE. 2mm); MINOR GL; FR CL OFTEN HAVE MICRODISPLACEMENT ALONG CL PLANES.									T9456	0.03	0.11	0.04	<0.01
					64													
	65	00			65		25°	60°						65.00				
								65°										
					66			70°										
			3.0	100										T9457	0.10	0.49	0.16	<0.01
					67			10(Fz)										
	68	00			68	68.01 — MIKE STARTS LOGGING	25°	55°						68.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-12 Page 6 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	CU %
	68.00				68	68.1 = START LOG. BOX 13								68.00	—	—	OPI	—
						68.10 - 68.25 - GRIT DOAR - DDOO?												
					69	1-2% WK FP < 1MM SDVT	10°	70°S										
			3.0	100		SD. VT often DO not X-CUT CORE; 68.25 - 72.24 - MED BLUN DOST W MED DK GRAY LM TO 15MM MODS; IN PLACES								T9458	0.02	0.06	0.03	<0.01
					70	FINE-U FINE DOAR WK-FAIR SE UNIT 'F'; FAIR SS MC's NEPTUNE DYKES;	25°	70°S										
	71.00				71	71.81 - 72.24 - LC - GRIT-CRANULE DOAR - DK GRAY W CLASTS 5MM-1CM; 2 BD 1CM DOST - COARSENING US	20°	70°S						7100	—	—	—	—
					72		20°	70°S										
			3.0	100		72.24 - 74.10 - IL MED LIGHT GRAY. FINE-MED DOAR W COARSE-GRIT CLASTS DOMR								T9459	0.09	0.10	0.04	<0.01
					73	INTERLM W PALE GRAY GREEN DOST - DOMR; STRONG SS; THIS IS WK. IC.	25°	70°S										
	74.00				74	74.10 - 76.75 - AS 68.25 - 72.24 IL LIGHT OLIVE GRAY DOMR & MED LIGHT GRAY DOST - SMALL TROUGH XB IN DOST - UNIT E	30°	65°S						74.00	—	—	—	—
					75		30°	70°										
			2.50	100										T9460	0.02	0.04	0.01	<0.01
					76	76.75 - 77.85 - IL (< 1-2%) STRONG DOST/MODS - UNIT 'A' - FAIR	35°	50°										
	76.50					76.48 / BC - BRAT LC; WK - FAIR BESL? DISC; 10/61								76.50	—	—	—	—
					77	76.77 — 77.87 —	30°	55°										
			1.50	100		77.13 WK $ BR - SMALL BR; M FAIR AT UC; ICR SLY CL TOWARDS LC; 3% SLCL								T9461	1.72	1.08	0.30	0.01
	78.00				78	77.77 ~1-2% SDVT - ICR D/S. WK BR AT 60°; D/S STRONG FRV		65°						78.00	—	—	—	—
						78.10 NEAR LC SDVT, FAIR LI-PY-HALO												
					79	V WK < 1% SD FR	20°	65°										
			3.0	100										T9462	0.03	0.02	<0.01	<0.01
					80		20°	50°										
	81.00				81		55 15°	60°						81.00	—	—	—	—
					82	82.00 — —		70°										
			3.0	95		BANDS UP TO 0.5M - TO 5% SD FR - 8MM AV. 2-3MM SEPARATED BY SECTIONS V WK SD. FR BUT < 2MM ~ 1%								T9463	0.03	0.01	<0.01	<0.01
					83		20°	60°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 308-12 Page 7 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					83													
	89.00				84		15°	60°						84.00				
						84.45												
					85		0°	60°										
			3.0	95										T9464	0.03	0.01	<0.01	<0.01
					86	83.82 - 89.92 MED LIGHT GRAY TO MED GRAY, TL DOST (COARSE) AND LIGHT COLOR DOMR-DOMR (UNIT E); STRONG SS FEATURES	SS 15°	55°										
						VV WK (<0.3%) SDFP												
	87.00				87	LC - FAULT	SS 0°							87.00				
					88	87.85	20°	70°										
			2.82	75		4% FR SD AT UC, DCR TO 1% D/S.								T9465	0.04	0.02	0.01	<0.01
					89	89.35 WK BREAK AT TOP D/S FAIR-MOD FR;	0°	60° F1 30 F2?										
	89.92				90	FAULT - MOD BREAK - 45° -								89.92				
						UC - 7cm FINE BR - WK SD	89.92 - 90.95 - LIGHT GRAY DOST - DOMR - SW ST - SP -											
			2.08	90	91	INTENSE FINE SW FR - GRADING IN & OUT OF NARROW FINE BR - WEAK SD	NO LM.							T9466	2.72	0.23	0.10	0.01
							90.95 - 91.80 - LIGHT COLORED DOST W LM - PARTING, BLK MUDS CAPROCK?? LOOKSHORE LIKE UNIT E											
	92.00				92	91.85	50°	25° F2 45° F1						92.00				
						FAIR BR. 2 COARSE BR; STRONG SD UC & LC; BAND 4cm FINE BR @ 2-3% SL												
					93	92.50	91.80 - 93.00 DOAR - UDKGRAY - AT TOP W CLASTS TO 1cm DK GRAY MUDS - PLATY; PATCHY ST	25°	25° F2									
			3.0	100		2-4% SD FP - 10mm AV 5mm; FMR SX SLY PY CL								T9467	1.06	0.21	0.10	<0.01
					94		93.00 - 93.80 - TO 93.30 DOMR-WORMY - WK SPAR GRADING INTO WK SM; 93.30 - 93.38 DK GRAY DOAR; D/S 93.38 - WK LM. SM TOWARDS LC - WK SM IN DO WK DOST; AT LC START STRONG SM;	20° 30°	60° 65° S									
	95.00				95									95.00				
						95.42												
					96	<0.3% SD FP; NEAR LC 8mm SDVT @ MOD SL.	93.80 - 95.14 - UC FINE WAVY. LM SM INTO GL - DOAR - DOMR	35°										
			2.50	100										T9468	0.55	0.12	0.05	<0.01
					97		95.14 - 95.42 - DOAR - MED GRAINED ST - HIGH	D/SM	60°									
	97.50													97.50				
						97.70		20° F2 55° S F1	97.70									
					98	SEE NEXT PAGE					SEE NEXT PAGE							

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-12 Page 8 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)		
COORDINATES	LOGGED BY	SURVEY/DEPTH	COLLAR		ZONE
		DIP			
HOLE STARTED	COMPLETED	AZIMUTH			SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARKS METRES	COMMENTS	CORE ANGLE ○ BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					98	95.42 - 97.40 WK. SM AT TOP D/S INTO DELICATE IRREGULAR LM &													
						3-4% SD; HOST VT & FR V STRONG OXD; NOTE F2 MORE COMMON		30° F2 75° F1											
			3.0	100	99	THAN NORMAL; SD - FR - 8MM VT AV 3-4; WIDE SPACED 3CM -									T9469	2.28	0.50	0.29	0.01
						-5CM, HIGHLY FR - BX ZONE - FAIR LE & HZ - 1-2%	97.40 - 102.92 MED DOAR - UC D/S SPOTTED CL TO 100.40	70°	<0.3	<SD	0	0	0	<0.5	1	C			
	100.50				100		UNDULOSE CL & ON BTM: FINE WAVY LM. SM;										T9469				
					101		CL	65°											
			2.50	100	102	101.65 - LC. OXD		75°	101.65						T9470	2.18	0.23	0.22	0.01
						5% FR. VT < 3MM; SL ASSOC S DVT BUT MOST IN 3-10CM AV 5CM U WK.			2	+ <SD	0	0	0	0	<0.3	C			
	103.00				103	BR-BC - BR STRONG & MINE CONSIDERING 102.92 < THEY ARE WK; SL ~ 2%		35° 70°	102.92						T9470				
			2.0	100	104	<1% LOCALLY OVER <0.5M SD FR - 8MM AV 3M; OCC. 3-5MM VT W WK - STRONG SL	102.92 - 104.90 MED GRAY DOST D/S 103.60 FI; BLK MUDS HIGHLY PRV	70°							T9471	0.34	0.11	0.09	<0.01
	105.00				105		104.90 - 105.40 - MED GRAY DOMR - SM - WK DEF FLAT LM;	15° 70°							T9471				
					106		105.40 - 108.15 MED LIGHT GRAY DOST / DOAR - FINE - V FINE) WITH	70°											
			3.0	100			DARK COLORED LENSES VFL & SMALL TROUGHS OF COARSE -								T9472	0.08	0.03	0.02	<0.01
					107		GRIT DOAR.; UP TO 2CM &. D/S ~ 107M - PALE GREEN - DK GRAY	15° 70°											
							DOMR - PODS BECOME COMMON. UNIT E												
	108.00				108			30° 70°							T9472				
					109		108.15 113.96 MED GRAY DOST FI W BLACK MUDS, SS ETC.;	60°											
			3.0	100			111.72 - 112.25 OCC 2 ± CM COARSE GNED - GRIT DOAR								T9473	0.12	0.03	0.02	<0.01
					110		109.35 - 111.35 - SM; FLAT DELICATE V THIN LM; DOST - DOMR. NEAR	70°											
							LC GRADES IN MED GRAY DOST - DOMR												
	111.00				111			30° 65°							T9473				
							112.62 - 113.50 - WK. FLAT LM: SM AT TOP. LC TRN												
			2.0	100	112			65°							T9474	0.33	0.05	0.03	<0.01
							113.96 - 119.24 MED GRAY FAIR WORMY - MT DOMR												
	113.00				113		116.80 - 117.23 2 ± CM LEUSES LIGHT GRAY DOST; ON LC	30° 80°							T9474				
							10CM LM FLAT SM; ABOVE SM - 6CM ST OS DOAR;												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-12 Page 9 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					113	SPAR IN CL-WOOKS MT												
						113.71 — 80° CNT			113.71									
			1.50	100		BR - 1cm BAND ON CNT - UP: VF SICLAST FR MIDDLING $ BR 0.5-2cm CLASTS; V WK SD			20 +	0	0	0	0	T9475	5.60	0.53	0.34	0.01
	114.50				114	114.03 ± HEAVY SL IN BF ~ 20° SL - STRONGER LOWER HALF			114.03									
						NEAR OC 3cm BR & D/S - SV 10mm DCR			1 <	0	0	0						
			1.50	100	115	D/S TO 4mm D/S 114.75 - SV CONC IN 1-10cm BANDS & SEMI SW - PROTOBR.; FR & VT @ SL								T9476	3.16	0.43	0.27	< 0.01
	116.00				116	IRREG 115.89		80°	115.89					116.00				
						2-4% SD - FR > IRREG VT > BLEB WK SL ASSOC W BLEB & SD												
			3.0	100	117	117.99								T9477	0.68	0.24	0.35	0.06
					118	WK (< 0.5%) SD - FR; F1 NOT CORE CUTTING & F2 WEAKLY DEVELOPED; LOOKS F2 > F1		20° F2 70° F1										
	119.00				119			70°						119.00				
						119.24 - 120.30 MED LIGHT GRAY HIGHLY FRV DOMR W SUBORDINATE LM OF DOSI & < 1cm GRIT DOMR (IC)												
			2.0	100	120	119.86 - 6cm - BR - 55° - QS MATRIX TRACE SX								T9478	0.75	0.14	0.05	< 0.01
						120.30 - 120.47 - 00 DOMR ATUC & ONLC WORMY WK CL												
	121.00				121	WK SD (< 1%) FR - GASH 10cm VT		20° F2 70° F1						121.00				
						IR SX; OCC. LOCAL. FAIR SL IN VT.												
						120.97 - 121.55 - MED LIGHT GRAY DOSI - V WK < 5M												
						121.28 - 15cm BR - FAULT - 75 ±												
					122			70°										
			3.0	95		V WK (< 0.5°) SD FR - VT < 3mm								T9479	0.10	0.02	0.02	< 0.01
						LOCALLY AT WIDELY SPACED 1/3M VT TO 4% OVER < 25cm.												
					123	122.45		65°										
						122.45 - 124.40 MEDIUM LIGHT GRAY DOMR W DK GRAY - BLACK MUDS LM & DS DOMR GRADES INTO DOSI: LM < 1mm												
	124.00				124	< 1% (WK) SD VT < 2mm								124.00				
						RARE TRACES PY-LT IN SD VT												
						124.40 - 124.55 - 5M WK WORMY CL - DOMR - DOSI		65°										
					125													
			3.0	95										T9480	0.04	0.05	0.06	< 0.01
						124.55 - 125.70 - CAPROCK: UNIT A - 11X; BLACK STRONG DELICATE LM MUDS IN FW. DOSI - LIGHT GRAY.												
					126		10°	65°										
	127.00				127			75°						127.00				
					128			60°										
			3.0	100										T9481	0.04	0.03	0.04	< 0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80B-12 Page 10 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					128	125.70 – 133.00 IL MEDIUM LIGHT GRAY DOST (IN PLACES TO U FINE DOAR) AND BLACK (V FINE LM MUDS, LM FLT U DELICATE WRINKLY IN A FEW PLACES DEFINITE NARROW BANDS SM – CALLALL U WK SM STRONG DEWATER CLEAVAGE; LOOKS SOMEWHAT LIKE ROCK ABOVE B440 ONLY V THIN LM IN THIS SECTION;												
					129	AT 129.43 – 3CM QS FINE BR NIL SX		75°										
– –	130.00	– –	– –		130		15°	75° N						130.00				
					131		20°	60° N										
			3.0	100										T9482	0.10	0.10	0.06	0.01
					132	NEAR LC – SDVT – MINOR CC	30°	75° N										
						132.50												
– –	133.00	– –	– –		133	<0.5% SD FR – 5CM AW 1MM.	15°	15° S 75° N						133.00				
					134	133.00 – 134.60 – MED LIGHT GRAY GREENISH TINGE DOSI W FLASER LM ICR TO LC OF PALE-MED GREEN MUDS – DOMP LM TO 1CM AW 5MM; NOTE GREEN MUDS – DOMP BELOW SM UNIT	55°											
			3.0	100										T9483	0.03	0.02	0.01	<0.01
					135	134.60 – 138.13 MEDIUM LIGHT GRAY PLANAR – V LM DOSI (COARSE 2" T TO V FINE DOAR IL TO THIN BD. DK GRAY – BLACK MUDS – DOMP STRONG DEWATER CLV. FAIR FS;	40°											
– –	136.00	– –	– –		136		45°							136.00				
					137	– – 136.85 – DIS ICR. SDVT		75°										
			3.0	90		~5% SD, LOCALLY TO 10% OVER <0.3M BANDS; FR – UT TO 15MM AW 5MM; VT I UNBY FROM KNIFE LIKE TO 1 BREC ACROSS CORE OCC BLEOBY 2 SD OCC ASBE IN WK < 5CM BR WHICH ARE NOT COMMON; OCC WK BY CL YSL	138.13 – 138.33 – MED LIGHT GRAY SI OO DOAR (COARSE)								T9484	0.12	0.04	0.02	<0.01
					138			65°										
– –	139.00	– –	– –		139	138.33 – 139.80 – MED LIGHT GRAY DOMP – U WK LM; AT UC U FINE SW (V WK 100 RMY = HT) 2 D/S THESE BECAME STRONGER REPLACED BY CHERT = WK CL		65°						139.00				
					140	138.80 – 140.41 – MED GRAY DOMP – FAIR WORMY (HT); OC		45° F2? 55° F1										
			3.0	90		140.41 – – – – – – – – <0.2M BEDS WK SM; NEAR UC 5CM ST OO DOAR W 1CM CAP PACK MUDS AT UC; IN DOMP OCC WK ST; NEAR LC – DOMP TO DOSI 2 WORMY WK									T9485	0.30	0.29	0.13	0.01
					141	<1% SD VT AV 1-2MM F1 W WK I (PY); START TO SEE F2 (30%) V FEW BUT RARELY SD FILLED;		30° F2 65° F1										
– –	142.00	– –	– –		142	141.93 – – FAULT – FAIR – OXD MOD SH – 60°	140.41 – 142.10 – MED GRAY AT TOP DIS MEDIUM LIGHT GRAY DOST INTER LM – FLASER DK GRAY – BLACK MUDS; STRONG DEWATER	60°						142.00				
						– – 142.10 – –												
					143	<1% SD FR – <3MM RARE 10MM BLEBS MINOR < 5CM BR AT TOP; RARE SL	CLV. BEDS, PLANAR, XLM-SMALL TROUGH LIKE DCR TOWARDS LC	60°										
			3.0	90										T9486	0.87	1.04	0.30	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-12 Page 11 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					143													
						SEE PREVIOUS PAGE — 142.10 – 143.20 AT UC – 2CM SI BLACK MUDS. D/S V WK BD											
						MED GRAY DOSI – MOD – STRONG SI WK WORMY & MT (HT). THIS IS CL	35°	55°										
					144	144.50 – AT TOP CNT IRREG BLACK CHERT & D/S OCC PRESENT ALONG BD												
						WK BR-ICR TO LC, WK SL > PY												
– –	145.00	– –	– –		145	144.75 – D/S NOTE F2 – FRV APPEAR		60°						145.00				
						2-3% Q2, QS & SQ – FR – VT to 15MM	143.20 – 144.25, MED LIGHT GRAY DOAP. (FINE-MED) SM – WK-FAIR;											
						AV 3-5MM; SV – STRONGEST IN VT AT TOP & DCR D/S; PY > SY AT TOP & DCR	143.80 – 144.06 – MED GRAY DOSI IN – ROUGH LM – BLACK MUDS	~SM 0°	15° F2 55° F2									
			3.0	85	146	D/S WHERE CL > PY; MINOR SL DISRUPTIVE WK CL ESE	FARTINGS, WK WORMY – POORLY DEVELOPED C.L							T9487	0.37	0.97	0.28	<0.01
						146.76 – – D/S ICR CL IN SDVT		~SM 0°	70°									
					147	1-2% SI: QS & SQ ER – 7MM	144.25 – 145.0 MED LIGHT GRAY DOAP. – LOOKS INTERBEDDED SM-CL											
– –	148.00	– –	– –			AV. 1-2MM; MOST, WK – FAIR PY > CL > SL; ALL ARE F1	INTERLM – BD OF BLACK MUDS & DOSI	~SM 0°	20° F2 60° F1					148.00				
					148		145.0 – 149.20 MED LIGHT GRAY – GRAY DOAP – UNDULOSE C.L – WK											
							SM OCC PRESENT; OCC < 5MM BLACK MUDS MOD IL DOSI &	~SM 0°	70°									
					149		BLACK MUDS IN BANDS TO < 0.3m											
			3.0	85										T9488	0.59	1.37	0.44	0.01
						149.66 – 4CM QS BR-OXD – FAIR CL	149.20 – 149.30 – BLACK CHERT	10°	60°									
					150	1-2% FR – 4MM AV. 1-2MM IN FILL STRONG F1 CORE CUTTING FRV.												
– –	151.00	– –	– –			< 1MM VT Q2 OR SI > 75D & WIDER ONES SD > Q2	149.30 – 165.0 – MED GRAY TO MED DK GRAY. V V FINE LM – PLANAR SM	0°	25° F2 55° F1					151.00				
					151	RARE 10MM VT IN WK CL-SL MOSTLY PY ON 1-2MM VT	D/S 152.15 – BECOMES LIGHTER COLOR – TURN TO MED LIGHT											
						TO ~ 152m – LC PY;	GRAY – DCR BLK V V FINE LM	~SM 0°	20° F2 55° F1									
					152		149.60 – 150.15 – MED GRAY DOSI – MASSIVE U WK WORMY (HT)											
			3.0	85										T9489	0.00	0.15	0.06	<0.01
					153	D/S 153 1/1.5M < 3CM WK BR @ SD BF.		~SM 0°	60°									
							LIGHTER COLOR – SM ONLY ALONG < 3-4CM BANDS – DARK											
– –	154.00	– –	– –		154	154.55 – 155.10 – HIGHLY FRC WK SL ON 2 FR PLANES WK FAULT ZONE	COLOR SEPARATED BY LIGHT MED GRAY DOSI	20°	15° F2 45° F1					154.00				
								~SM 0°										
			3.0	80	155									T9490	0.05	0.05	0.02	<0.01
								0°	20° F2 60° F1									
						156.42 —												
– –	157.00	– –	– –		157	BR – WK COARSE FRAGS TEN; SDBF; GOOD EXAMPLE F1 > F2 & BD IN SB		~SM 0°	50°					157.00				
						156.83 —												
					158	< 0.5% SD IN FR & BF IN WK < 4CM BR SPACED ~ 1/1.5m		~SM 0°	45°									
			3.0	90										T9491	0.04	0.01	0.01	<0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-12 Page 12 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					158													
					159		0°	50°										
	160.00				160	D/S 160.45 - CORE BROKEN & CH WEAK ON FRC		55°						160.00				
					161													
			3.0	85										T9492	0.03	0.01	0.01	<0.01
					162	D/S 162.00 ICR FRV & BROKEN CORE		55°										
	163.00				163	D/S 163.8 - SM - PLANAR WELL DEVELOPED & ROCK DARKER COLOR		45°						163.00				
					164	D/S 163.90 - ICR TO STRONG FRV - F1 & FLATTER DIP THAN NORMAL - 20-25°		20° F1?										
			3.0	80										T9493	0.04	0.03	0.01	<0.01
					165	165.0 - MOD FAULT - 25-35° X - SH - 3CM V WK SD		25° F1?										
	166.00					5CM QZ VM	165.0 - 166.0 - IL - MED-THICK BD MED GRAY FINER DOST & DK GRAY - BLACK MUDS - UNITE	20°						166.00				
					166	166.27 - 4CM BR - FAULT - 20° - SLAST - BLEB SD												
					167		166.0 - 178.55 MED GRAY DOST - CL - NOT UNDULOSE. WK - MOD MODRMY - MT. OCC. WK UNDULOSE WITH RIBBON MT MONG BD	65°									
			3.0	95		<0.5% SD FR. D/S SDVT TO 8CM MORE COMMON NEAR LC.								T9494	0.20	0.04	0.05	0.01
					168		GRADES MED GRAY TO MED DK GRAY. RARE <0.3M IT ZONES	45°										
	169.00				169			45°						169.00				
						169.20 VC TCM QZ SDVN D/S COARSE BR & 15 ON IC - F1 SDVT <8MM												
						169.55 TRACE CL		25°?										
					170													
			3.0	95		1-2% SD - WIDE SPACED BANDS < 20CM. SDVT 5-10% VT. FR - 8MM AV 2MM OCC VT TO MINOR CL SL & PY								T9495	0.32	0.04	0.02	<0.01
					171		173.80 - 174.10 INTERBN - FAIR UNDULOSE CL / WORMY - STRIPES < 5MM ALONG BD &	~6°	55°S									
	172.00				172		WORMY - FAIR - CL - WORMY (MT) ORIENTATED ~45 TO BD	10°	60°N					172.00				
					173			~15°	55°S									
			3.0	100										T9496	0.16	0.06	0.03	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80B-12 Page 13 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					173													
					174	174.70 – 178.55 UNDULOSE CL / WEAK-FAIR D/S 176.60	05°	60°										
						175.47 — ICR MIN/2 IN VT												
— —	175.00	— —	— —	— —	175	3-6MM-12MM SQ VT W FAIR SL, MINOR CL — INTERBANDS WORMY CL & ICR IN WIDTH TO LC.	10°	55°						175.00				
					176	176.25	0°	50°										
			3.0	100		3 BR-3-10CM WIDE ± 50% FINE BR FF-D/S. STRONG SL, MINOR CL ~15°/SL			176.25 15 +	2 0.1 +	0	0	0	T9497	1.34	0.27	0.13	0.01
					177	176.60	20°	70°	176.60									
						176.75 2 TO 6 MM SDVL-STRONG SL 1 DCR TO WK ON LC												
— —	178.00	— —	— —	— —	178	< 0.5% SD VT FR-4MM AV 1-2MM	15°	60°						178.00				
						178.55 – 180.46 RED DK GRN DOST/MP. FAIR-MOD SP WORMY (MT) ICL. OCC. BAND. WK UNDULOSE RIBBON SP WORMY ON BD D/S 180m, USUALLY MOD-STRONG ST.												
					179			65°										
			3.0	95										T9498	0.11	0.02	0.03	< 0.01
					180		15°	55°										
— —	181.00	— —	— —	— —	181	180.60 — — — SLIGHT ICR VT	15°	55°						181.00				
						1% D/S ICR TO 2-3% SD VT FR-7MM AV 1-2												
			2.0	100	182	ICR VT NEAR LC & OCC VT WK-FAIR SL>CL	0°	65°						T9499	0.10	0.06	0.03	< 0.01
— —	183.00	— —	— —	— —	183	182.65 — 1-2% SD FR-2.5 MM VT		65°						183.00				
						183.60												
					184		6-15°											
			3.0	100		VV WK SD (<0.1%) SP FR								T9500	0.05	0.06	0.07	0.01
					185		0°	55°										
— —	186.00	— —	— —	— —	186			60°						186.00				
					187		05°											
			3.0	100			10°							T9501	0.22	0.21	0.09	0.01
					188													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-12 Page 14 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					188													
						188.54												
						UC. 2LC ~5CM $ WK BR to FAIR-STRONG SD; WK GL>PY>SL PART OVD	~	55°										
--	189.00				189		0°							189.00				
						189.34 MIDDLING 10MM SDVT - MOD CL>SL>PY												
					190	1-2% SDEP - 2MM VT	~	60°										
						190.46 - 195.0 VARIES FROM WK UNDULOSE SPOTTED - P. BRN - WORM	0°											
			3.0	100										T9502	0.53	0.11	0.06	< 0.01
					191	190.95 — VC - SV + SL ZONE	~	50°										
						3 | 0.5 M SV IN QS & SQVT - AV 5MM MOD - STRONG SL > CL	0°											
						(ME & MT MEDGRAINED IL W TYPICAL FLAT DELICATE LM STRONG SM; MOSTLY UNDULOSE CL													
--	192.00					191.53 —	~	60°						192.00				
					192	1-2% < 3MM VT	10°											
						192.45												
						4 | 0.75 SV - QVTS VT AV 3MM (IRREG) FAIR - STRONG SL	~	50°										
					193	193.11	20°											
			3.0	100										T9503	1.13	0.29	0.31	0.01
						< 0.1% SD VT < 0.5MM												
					194		0°											
						194.33												
						5 | 0.65 m SV · QVT, QVTS VT TO 10MM - F1												
						F2 VT ~ 30 cm 11A (BD?) BOUNDED	~	65°										
--	195.00				195	195.00 BY F1; SL - MOD - STRONG	15°							195.00				
						195.0 - MED DK GRAY OCC MED GRAY DOST WITH MOD - STRONG SW RIBBON (WORMY) MT; OCC. RMND ONLY FINE BLEB	~	45°									
					196	< 0.3% SD; LT UC - 2 SV - WK - STRONG SL; MT 197.17 - 10CM SW - JCT F1 & F2 - MOD SL & ONLC SV TO STRONG PY	0°										
			3.0	100										T9504	0.53	0.33	0.21	0.01
					197	NOTE - AROUND SV - SL IN CRACKS & CONC IN MT STRUCTURES	MT; ROCK CL - WORMY; OCC < 5CM CHERTY											
							197.60 - 198.65 - UNDULOSE (FAIR) CL - STRONG SP - P. BROWN BD; - CRINKLY CL; LM TO V WK NL MED DK GRAY DOST											
--	198.00					197.60 - PY = LC - SV ZONE	~	65°						198.00				
					198	V WK < 0.5% SV < 3MM	20°											
							199.30 - 200 OF INE BLEBBY (MT - WORMY) CL - UNDULOSE											
					199													
			3.0	100			200.00 - 200.45 - ME DK GRAY DOST - FAIR - MOD WORMY (MT)							T9505	0.38	0.05	0.06	0.01
								20°										
					200	200.42												
						3 - 3CM WIDE QZ ± SQ VT - F1	200.45 - 201.04 - BD: 0° N1 - FAIR WORMY & UNDULOSE CL	~ 0	65° N F2; 50° S F1									
--	201.00					FAIR - STRONG SL; ONE IS BLOW OUT AT JCT OF 50° F1 & 65° F2			65°					201.00				
					201	201.04												
						V WK < 1MM SD VT	201.04 - 203.60 - MEDIUM LIGHT GRAY DOST - FLAT - SLIGHTLY WAVY LM - SM	0-35°										
					202	200.05 — 6CM WK BR COARSE - BLEBBY SD FAIR SL - BR JCT F1, F2?	201.63 - 202.07 - TWO ROCK TYPES BD 0°X; WK UNDULOSE CL & MED GRAY DOST W LENSES OF BLACK SILTY MUDS	~ 0°										
			3.0	100										T9506	0.25	0.26	0.11	0.01
					203													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 96B-12 Page 15 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					203	5.25M-SD FR-UT TO 3MM STRONG SLAT TOP & DCP TO LC;	202.07 - 205.28 MED DK GRAY DOSI/MR-STRONG SI: OCC <10CM BANDS W WK WORMY-CL; OCC PARTING OF BLACK MUDS;											
	204.00				204			70°						204.00				
					205	209.65 3CM VT-SQ-CHEURON -60 F1 & 10° F2 MIN/2: MOD SL>PY>CL		0°	10° F2 70° F1										
			3.0	100				0°	50°					T9507	0.49	0.17	0.08	<0.01
					206	<1%-SD VT <2MM-WK SX AT TOP. ICR D/S TO LC SL>>CL	205.28 - 207.51 - ALT V THIN BD OF WEAK UNDULOSE CL & WK 'WORMY' (MT) CL; BOTH UNITS DOSI/DOMR;	0°	15° F2 50° F1										
	207.00				207	206.90		0°	35° F2 N 50° F1 S					207.00				
							207.51 - 209.53 - MED GRAY SILT-STONE;											
					208	<0.3% SD FR - <1MM		0°?										
			3.0	95										T9508	0.03	0.09	0.05	<0.01
					209	209.00 9CM WK-FT BR; FAIR SD FAIR CL>>SL>PY	209.53 - 213.0 MED LIGHT GRAY DOST - WK BLEB MT, WK UNDULOSE CL	10°	65°										
	210.00				210		BDS FLAT - WAVY. SM.; UNIT CL	0°	70°					210.00				
						<0.5% SD FR <1MM												
					211			0°	60°									
			3.0	100										T9509	0.23	1.06	0.95	0.03
					212	212.17 BR-WK-ON LC-STRONG SI (CHERT IC?) WK GLY SL>PY; BEST <1 ALT SEEN TO DATE 212.40	212.24 - 212.40 - CHERT FLOODED DK COLOR.	0°	60°										
	213.00				213		212.62 - 212.75 - BDS LOW X II. MED GRAY DOSI (COARSE SILT - F-U FINE DOAR) & BLACK MUDS; SOME PARTING LOOK WK SM	0°						213.00				
					214	V WK (<0.5%) SD. RARE 25CM BAND 5-7% SD VT TO 7MM;		0°	30° F2 65° F1									
			3.0	100			212.75 - 214.05 MED GRAY DOST AT UC - 1MM TO 5MM (WK SS) & 3CM BD SM; DOSI - UWK. SP (WORMY) & IRREG WK WKPY SM							T9510	0.06	0.22	0.05	0.01
					215			0°	65°									
	216.00				216		214.05 - 216.20 UNDULOSE SM DARK GRAY DOSI; SM = CR. INKLY & NOT CONTINUOUS LOOKS ALMOST HYBRID - CL = SM	0°						216.00				
					217	217.46 BR - STRONG CLAST & WALL ROCK SI IRREG STRONG SD - BLEBS IN PLACES STRONG SL>CL MIN/2 AT TCT F1 & 0° & 50° 217.75 FZ	215.60 - 216.20 - - LM BLACK MUDS 1-4MM & SM IN DOST NOT WELL DEVELOPED	0°	60°										
			3.0	95										T9511	0.68	1.62	0.81	0.01
					218			15°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-12 Page 16 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					218	AT TOP VT-3CMBR-STRONG SL D/S 1 25CM & 3M SQVT W FAIR SL>GL												
						218.47 — {20MM F1 SV (HIGH CL)SL INTERSECTED BY <3MM WK F2 20 & 50 SV} 216.20-218.0 MED GRAY TO MED LIGHT GRAY PLANAR TO TROUGH LM-VTH IN BD DOSI - TO DOMR	0°	25° F2 N 60° F1 S									
—	219.00	—	—	—	219									219.00	—	—	—	—
						3 3M-3-10MM SDVT W FAIR-MOD SL>CL; ONE IS ON F2 — 218.16-219.0 - UP TO 4CM (20%) BEDS OF CRINKLY SM; UNDULOSE SM;	0°	70°									
					220	219.0 - 230.33 MED GRAY DOSI SM - VARIES FROM WK PLANAR TO CR. INKLY. BETTER DEVELOPED; & MOD. UNDULOSE - IN PLACES WEAK ROCK MAINLY FINE-DOAR	35°							T9512	032	0.25	021	0.01
			3.0	100			30°											
					221	221.74 —		30° F2?										
	222	00	—	—	222	SDVT-STRONG AT TOP; UC-40MM SQVT, D/S. 3-10MM & WEAKEN D/S; MOST F1; BEST MIN/2 222.07 — UC F1 & 15% F2; BEST MIN/2 Q>SVT	45°	50° S						222.00	—	—	—	—
					223		30°											
			3.0	100		V WK SDVT 1-10MM & DCP D/S 224.15 TOP VT WK-FAIR GL>SL	0°	45° F2 60° F1						T9513	0.12	0.27	0.12	0.01
					224													
—	225.00	—	—	—	225		0°							225.00	—	—	—	—
					226		0°											
			3.0	100										T9514	0.24	0.06	0.07	0.01
					227	226.80 — 3% SDVT LOCALLY OVER 20CM 5-7% VT 1-20MM & 2-3MM	15°	20° F2 65° & 90° F1										
						7 2-3MM SQVT - FAIR-MOD SL>GL		40°										
—	228.00	—	—	—	228		0°	65°						228.00	—	—	—	—
					229		0°	70°										
			3.0	100		229.23 UC 15CM STRONG FR-10CM SQSV ~50%								T9515	0.51	0.28	0.15	0.01
					230	WEAR TO STRONG SL>GL; D/S = SV WEAKENS; SVSVT-F1 40-60°; BEST SX/CT F1 229.93 — 2 F2 — 230.33 - 231.50 - MED DK GRAY DOSI (FINE DOAR) W WK FINE RIBBON WORMM HT LM OF BLACK MODS - USUAL SS DEF ~50%	0°	50°										
—	231.00	—	—	—	231	V WK (20.5%) SDVT FR-2MM MINOR SX		20° F2						231.00	—	—	—	—
					232	— — TCD SDVT	0°											
			3.0	100		232.34 2-3% SDVT FR-10MM VT & 3-5MM UC-23.1 - FAIR-MOD SL>GL ON F1 F1½ & F2 VT								T9516	026	0.14	0.06	<0.01
					233	D/S SX IN VT WEAKENS		30° F2 N 50° F1 S; 80° F1½ N										

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-12 Page 17 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					233	231.5 – 234.42 MED GRAY DOSI/VF DOAR/SM – UNDULOSE CRINKLY;												
	234.00				234	234.42 – 235.19 DK GRAY MUDS WITH HIGHLY CONTORTED LM OF LIGHT GRAY DOSI/MF; DOSI-BLEB & WISP-STRONG SS	0°	65°F1S; 80°F1aN						234.00				
					235	235.19 –												
			3.0	100		BP-COARSE, SD BF, MINOR CLY/MSL								T9517	0.10	0.48	0.09	<0.01
					236	235.19 – 243.33 MED LIGHT GRAY TO DARK GRAY DOSI/U FINE DOAR/SM-STRONG-VARIES FROM CRINKLY TO WAVY TO	25°											
						236.06 – 1-5% SD FR-5 MM VT-MOST NOT X-C CORE;												
	237.00				237	OCC FLAT; ~20% MED GRAY BDS 5-20 CM WIDTH STRONG SI	0°	25°F2						237.00				
						237.35 – D/S ICR VT SX – SILT OR DOLOMITIC SILT; SM – UNDULOSE	30°											
						6/2 MSV; 1MM=10MM; MOST SI>SD & STRONG TO 5MM SI ENVELOPE; GL/SL & SL>GLSV.	0°											
					238	238.12 – 1% SL & 1% CL		55°F1										
			3.0	100										T9518	0.32	1.34	0.31	<0.01
						WK SDVT 25 MM; NEAR LC-15-		25°F2N										
					239	238.83 – 30 MM SI ONLY VT-WK PY, GL/SL		60°F1N										
						WK <1% SD FR-15 MM VT AV 3 MM	15°	25°F2										
	240.00				240	NOTE WK SL ON F2 & F1 BARREN VT DCR D/S	0°	70°						240.00				
						240.81 – –	0°	65°										
					241	3-10 MM SDVT AT TOP & D/S VT WEAK & WK < 3-4 MM WK BR;												
			3.0	100										T9519	0.11	0.55	0.17	<0.01
					242	242.10 – –	0-25°	75°										
						WK SDVT; ICR UWK BR TO 15 MM NEAR LC		240.0 – 243.33 – ALTERNATING BAND OF MED LIGHT GRAY UNDULOSE CL – DOSI/MF; MED GRAY FAINT SM DOSI/MF TO STRONG										
	243.00				243	243.30 UC 5 ZONE BR-COARSE; IRREG IN TOTAL ~3.0 CM	0°	75°	243.30					243.00				
						BANDS OF FINE BR, HEAVY SD-BF & BLEB TO VT UP TO 4 CM; BR-CONTROL 60°S F1		WITH 8 1 CM BAND OF SM	3 +	0			0					
						& F1a 60°N FRV; BR WEAKENS D/S;												
					244	244.10 IRRE PATCH & VT BF SL; SL ~ 2-3%			244.0									
						UC TO 244.37 – MOD F1 TO 1-3 MM SDVT ICR		243.33 – 244.10 AT UC: MEDIUM LIGHT GRAY SILT & D/S										
						TO 30 MM BLEB SO NF1, TO 244.58 – F.NE CC	0°	75°										
			3.0	100		COARSE BR TO ICR BF SL, TO LC NARROW BANDS		MOSTLY UNDULOSE CL – WEAK WORMY; AND BED MED GRAY	1 + CVF	0			0	T9520	2.90	0.93	0.37	0.01
						BR & ~20% BLEB-VT TO 40 MM SD FAIR SL		STRONG WORMY CL & IN										
						SD CONTROLED BY 60°SF1 & 75°NF1a		PLACES TYPICAL SM: CALL										
					245	244.82 – SL – 1%		MOSTLY CL-UNDULOSE;	244.82									
								15°F2 N S60°F1 & 75°F1aN										

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 30B-12 — Page 18 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					215	244.82												
						D|S UC SDVT TO 10MM-YEL(SD) CUTS WHITE(SD?DO) ALT BANDS TO 10CM. BR W TO 75% SD SEPARATED												
						BY. 8 MNDS FR-8MM SDVT & BLEBS MAIN LY F1 OCC F2(20°X). SX-IN F1 VT F1 & F2(LOW X)			<.03	<SD +	<0.1	<SD	0					
						1 MINOR PATCH SX IN BR', SLY ZGL												
						245.74			-245.74									
	246.00				246	FAIR 3-5% SDVT TO 5MM SX ON F2 & F1. SL FAIR	249.70-247.0-MED GRAY DOMR|SI W FAIR-MOD WORMY'(MT)-OFTEN SEC USDM FAW UH-SM		30° F2S 65° F1S						246.00				
						246.2-WK BREAK-60°												
						STRONG U FINE FR SD (F1) PATCH SI-BR-TRACE SX	NARROW. BEDS UNDULOSE CL & SM		60°									
						246.65												
						1? FINE BR IN SD-REBR? POSSIBLE BREAK	247.0-247.15-OO DOAR-SHEW		30°S (F2) 60° F1S 45°									
					247	246.95			F1 AN. 246.95									
						BR-COARSE MOD SD BFR 10-20MM BLEBS-VT 247.18 SI-BR ?FAIR PATCH SL, SL-3%	247.15-250.05-MED LIGHT GRAY: DOAR-SM-CL OCC DK GRAY FAIR-MOD WORMY'(MT)', LC BTM SM-CL SECTION		30° F2S 60° F1S						T9521	4.86	1.60	0.84	0.02
		3.0	100			3-5CM BR-SILICIFIED BR W WK BF SD ~1% WK SL; ROCK HIGHLY SHATTERED												
						247.62												
					248	FAIR F1-SV-1-8MM-SLY ZGL & TWO. 8-10CM. WK. ILL DEFINED BR DEVELOPED AT JCT F1 SV & F2 SV. -STRONG SILICA'T AROUND SV-BR & WK	250.20-251.80-MED LIGHT GRAY-GRAY DOST W PARTING OF MED-DK GREEN MUDS-UNIT 'E'-TYPICAL		20° S F2 50° S F1	3 + <SD	1 + <SD			TR				
						- FAIR BLEB SD', SL-3% GL-1.	FW OF SM UNIT											
						248.75	251.80-252.68-INTENSE OXD FSH. LOOKS LIKE LIGHT COLORED DOSI?		70°	-248.75								
	249.00				249									249.00				
						WK FR-RARE 15MM SDVT 10CM. HEAVY SDBF BR NEAR LC; WK-FR-VT-<2MM SLY ZGL			15° F2N 40° S F1									
					250													
		2.5	95			250.20-NOTE CHANGE COMPETENCY OF ROCK				-250.20				T9522	2.01	0.38	0.24	0.02
									70°									
						STRONG 60-70° F1 FRC-POKER CHIP 2-3% SD < 1-2MM ALONG FRV; FAIR 1 10CM FRV CONTROLED UP TO 10MM SV-SDVT+SX; 1% SL			70°	1 <VT	0			0				
					251													
	251.50					251.50				-251.50				251.50				
						OXD & HIGHLY SHEARED				0	0			0	1	HZ C		
					252				45°									
						252.22-3CM DK GRAY GOUGE-50°-60° MAIN BREAK & ZONE				252.22								
		2.0	100											T9523	3.70	4.58	3.53	0.09

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-12 Page 9 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					252													
						252.22 — 252.68 - 254.04 - MED LIGHT GRAY DOAR - MED GRAINED - REX?												
						STRUCTURAL U FIJE BR. - SHATTER BR. WK CRACK SW SL												
						252.68 — SH - 30% WK SD; SX - MAINLY WK PY. CRACKLE BR.		40°	253.03									
					253	253.03 = SHARP CNT - 60° BR - INTENSE BR; 75% BF; SX - SEMIMASSIVE			10 +	10 +			30 +					
						253.38 — LC - 50° PY AT UC D/S - HEAVY SL - GL & LC BCM PY		70°	253.38									
— —	253.50	— —	—	—										253.50				
						2 - 6 x BCM IRREC BR & SX VT ASSOC SD HEAVY OO & COATING MT			0	0			7 +				
								30° F2 55° F1					Σ 3D					
					254	253.90 — $$ BR TO CLOSE SPACED F1 SX STRONG PY UC & GL-SX TO CR TO LC			253.90									
						254.35 — V WK VT & SX		254.04 - 255.55 - MED GRAY - MED DK GRAY DOMP - UNDULOSE CL - WK RIBBON; WORMY SP	5 ±	5 ±			20 +					
						254.65 —		65°	254.35									
			3.0	100	255	6/0.8 BM SX - 5MM - 40M; AV 10MM PY > CL > SL	0°	65°	1 < VT	1 < VT			2 < VT	T9524	5.79	2.21	1.58	0.01
								255.50 - 256.70 MED LIGHT GRAY DOAR (FINE - V FINE) W FAINT LM - BLK MODS & OFTEN SP - SM?										
						255.40 —			255.40									
						$$ COARSE BR; MATRIX ~ 40-50% W HEAVY SX; AT TOP PY > > CL > SL &													
					256	D/S SL > > PY & NEAR LC PY > SL		55° F1; 50° N F1	15 +	5 +			20 +					
— —	256.50	— —	—	—		## = FRV = 60%												
						256.40		256.70 - 259.13 MED GRAY DOAR (FINE - V FINE); AT TOP < 3CM LENSES SI OO DOAR - DK COLOR - BLK SPECKLING	256.40					256.50				
						NEAR UC 4CM - 8CM BR - JCT F1 & F2 W HEAVY SX IN MATRIX; D/S 3-10MM SV; OVERALL PY > > CL > SL			2 ± < VT	3 ±			8 +					
					257	256.80 —		BROKEN OOLITES; D/S 257 B BECOMES MRN TO MED LIGHT GRAY & SLIGHTLY FINER GRAINED	256.80									
						2-3% SD VT FR - 3MM VT SX - V WK BUT STRONGER ON F2		55°										
								50° F1 S & E 5° F 40? F2 N										
			3.0	100		257.65 - 3CM BR - JCT F1 & F2 - HEAVY SX		259.13 - 261.05 - AT UC ~ 2CM SM: D/S MEDIUM LIGHT GRAY GRADING INTO LIGHT GRAY U FAINT BD DOMP; V WK SW SP - QZ						T9525	2.54	1.34	0.78	0.04
					258	257.95 — WK COARSE BR - 35° & F2 - MATRIX		35° N F2? / FLAT F1										
						258.21 10-15% PY > SL, TRACE CL												
						2 - 3 & 10MM SX & SD + SX UT - PY > SL & 15CM BC - AT JCT F1 & F2's	50?	45° F2?	< 03 ±	< 03 ±			2 ±					
						258.68 —												
					259	$$ COARSE BR BF - SD & WK SX MOSTLY PY - 3-5% MT & OO	40°	55° F1										
						259.14												
— —	259.50	— —	—	—										259.50				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-12 — Page 20 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE TO BEDDING	CORE ANGLE TO STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					259	259.14			259.14									
						STRONG F1 SDVT ~55° TRACE SX			0	0			0					
						259.53 — UC-55°		50° F1	259.58					T9550				
						UC - 2CM VM-PY & SD & DN LC												
						5CM VN-MY SX PY>CL>YSL			6 V	10 V			20 V					
						259.72 - LC - 50°	40°	35° F2 S 55° F1 S	259.72									
					260													
						10 1.25 MSV - 3-8 MM AV 5 MM												
						DN F1 50° S & F2 - 25° S FRV		25° S F2	<	<								
						PY>>CL>YSL	45° N	50° S F1	03 <	03 <			3 <					
			2.5	100										T9526	0.86	1.69	0.67	0.01
								25° S F2										
					261			55° S F1										
						261.07 — —			261.07									
							261.05 - 263.80 MED DK GRAY DOST / DK COLOR - BROKEN OOID											
							D/S 263 BECOMES LIGHTER COLOR MED GRAY & DOM R	35°	15° F2 S 50° F1 S									
						1-2% SD FR < 2 CM												
						MINOR VT W FAIR-MOD PY>CL>YSL	263.80 MED DK GRAY											
	262.00				262		DOST / MR - IN PLACES SI (SILT)							262.00				
							- OCC LIGHTER COLORED BEDS WITH UTRN CNTS: OFTEN											
							LOOKS SH APPEARANCE - FRV ALONG SS SLUMPED BD;											
							TH'S LOOKS MUDDY SILTSTONE											
						262.90 \ 6 CM 45° VN - STRONG SD - WK SX		20° F2 S 45° F1 S										
					263													
			3.0	100		WK 1-2% SD VT FR - 10 MM; AV < 2 MM								T9527	1.94	1.29	1.03	0.01
						MINOR SX												
						263.60												
						## BR - F1 45-55° X; ~15% FINE BR + FAIR SX BE												
						263.80 — : SL>PY>GL ; 2% SL & 1% GL		45° F1										
					264													
						10-15% SD VT TO 10 MM AV 5 MM		35° F1										
	265.00					RARE 15-30 MM BLEBS; OVERALL												
					265	SX-INSD WK - MAINLY PY EXCEPT		35° F1						265.00				
						3 CM SEH MX SX VM - 50% GL & SL &												
						AT F1-F2 JCT WHERE BOTH HAVE		45° F1										
						< 5 MM GL VM.; SDVT - FLATTISH F1 - ##												
					266	266.0 —		40° F1										
			3.0	100										T9528	2.07	2.42	1.36	0.02
						10-20% SD VT 3-10 MM; F1 &												
						~25% 10 CM - 5 CM BREC. BR - W		35° F2 S										
						HEAVY SD - TRACE SX		60° F1 S										
					267	267.13 — 5 CM VN - SD 30% - ## BR - FAIR SX - PY>CL>YSL - 35°												
						267.33		25° F1										
						## BR - 25°; 10-15% SX PY>CL>YSL												
	268.00				268	267.88 — — — — —		35° F1						268.00				
						5-7% ## SDVT - 2-5 MM AV.												
						7 1M - SV 2-5 MM PY & CL - SL>PY	0°											
					269	268.85		20° 45° F1										
						SEE NEXT PAGE												
			3.0	100										T9529	1.00	0.74	0.41	0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-12 Page 21 of 21

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol. Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					269	1-10% 0.5-3 SD VT - FL ~ 35° AV 3-5MM AU; SV. ICR NEAR LC. PY > SL; SV = 5/15M		35° FL										
					270	270.25		25° FL										
	271.00				271	3-5% 0.5-3 SD VT - FR - 1MM AV 2-3MM MOST N.G.SX; ~1/1.5M. UP TO 8MM FAIR - MOD SX; FRV - ~30° SD FILLED		30° FL						271.00				
			3.0	100	272			30° FL						T9530	0.25	0.23	0.12	0.01
					273			30° FL 45° FL										
	274.00				274		25°	30° FLS						274.00				
						274.34												
					275	<2% SD VTS LOCALLY OVER <25CM UP TO 1% · VLTS DCR D/S TO <1% AT LC; VT - 3-5MM & FR (<1MM) OCC. VT - WK SL & MOST BARREN;		30°										
			3.60	95	276			40°						T9531	0.17	0.07	0.04	0.01
								35°										
					277			20°										
	277.60					277.60 END OF HOLE		25°						277.60				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-13 Page 1 of 19

ELEVATION 1813.49m | DRILL CONTRACTOR E. CARON | CORE SIZE NQ | TOTAL DEPTH (m) 291.08

COORDINATES 19,850.73N, 9995.43E | LOGGED BY D. BOLAT

HOLE STARTED JULY 21/90 | COMPLETED JULY 27/90

SURVEY/DEPTH	COLLAR	129.5	251.2	291.1
DIP	-51°	-48°	-47°	-43
AZIMUTH	357°			367°

ZONE 2,5,9 | SECTION 10,000E

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					0													
					2	CORE STARTS AT 3.96m												
	3.96				4	3.96								3.96				
			2.04	90	5	4% SD VLTS (1 TO 5mm; AVE 2mm); MINOR LI STAINING; NO MIN/Z VISIBLE. UNIT E: INTERBEDDED L. TO M. GREY DOLOMUDSTONE, DOLOSILTITE AND DOLO ARENITE; NORMALLY GRADED WITH PERIODIC INTRACLAST BEDS (UP TO 8cm THICK). SOFT SED. DEFORMATION COMMON.	65°	50°					T9532	0.07	0.06	0.03	<0.01
							60°	25°										
	6.00				6	5.64 — SAND SEAM (22cm THICK)								6.00				
							50°	45°										
			3.0	85	7		35°	40°						T9533	0.03	0.02	0.01	<0.01
					8													
	9.00				9		50°	40°						9.00				
						9.28 — SILICIFIED AND BLE (UP TO 16.31m); MINOR PY BLEBS; SD VLTS DCR D/S TO APPROX. 2%.													
					10	9.91 — BR. COARSE (5cm WIDE) PF SD; MINOR AI	55°							T9534	0.13	0.03	0.01	<0.01
			3.0	75														
					11													
	12.00				12		40°	55°						12.00				
					13		50°											
			3.0	75										T9535	0.06	<0.01	<0.01	<0.01
					14			45°										
						14.20 — BR. SHEETED; COARSE BR ZONES (UP TO 10cm WIDE) OVER NEXT 70cm; PF SD WITH STRONG LI STAINING; 90% CLASTS; COUNTRY ROCK STRONGLY BL AND SILICIFIED IN PLACES. BF AND VLT PY COMMON IN THESE ZONES.												
	15.00				15		45°	45°						15.00				
					16	2% SD VLTS (1 TO 4mm; AVE. 2mm) MINOR LI STAINING.	65°											
			3.0	85										T9536	0.01	<0.01	<0.01	<0.01
					17		50°	40°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-13 Page 2 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK WISE METRES	COMMENTS (UNIT E & CONTINUED FROM PAGE 1)	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
	18.00				18									18.00				
							45°	35°										
					19	SOFT SED. DEFORMATION NEPTUNIAN DYKES.												
			3.0	80			40°	40°						T9537	0.04	<0.01	0.01	<0.01
					20	20.03 — PY VLTS AND PRIMARY PY BL.; PY VLTS (4 TO 10mm; AVE 6mm) 1/1.0m; PY RL (UP TO 20mm) ALONG BD PLANES SOME WITH ALTERATION HALOS (PRIMARY?)	50°	50°										
	21.00				21		50°	65°						21.00				
						MICROFAULTS (UP TO 1.0cm displacement) COMMON												
					22													
			3.0	95			55°	40°						T9538	0.01	0.01	0.01	<0.01
					23		50°	65°										
						23.62 — PERVASIVE FR, (0.5 TO 4mm) SOME SLIGHTLY BRECCIATED WITH A STRONG ORANGE LI STAINING AND SD FILLING ALONG FR.												
	24.00				24									24.00				
							35°	45°										
					25		50°											
			3.0	90		2% SD VLTS (UP TO 2mm); MINOR LI STAINING								T9539	0.02	0.02	0.02	<0.01
					26		65°	40°										
	27.00				27		60°							27.00				
					28													
			3.0	80			55°							T9540	0.01	0.02	0.02	<0.01
					29		50°	55°										
							50°	40°										
	30.00				30		40°	50°						30.00				
							45°	35°										
					31													
			3.0	90										T9541	<0.01	<0.01	<0.01	<0.01
					32		45°	55°										
						32.45 — STRONGLY BL; DISTINCTIVE ROSE RED STAINING IN MORE POROUS SECTION OF ROCK; PY BLEBS 2% (UP TO 15mm)												
	33.00				33									33.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-13 Page 3 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TIME METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE ⌀ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					33	UNIT E: SAME AS PAGE 1	40°	35°										
					34													
			3.0	85			65°							T9542	0.01	<0.01	0.01	<0.01
					35		60°											
	36.00				36	36.00 — ROCK FR. ANNEALED WITH TALC; ROSE RED STAINING OCCURS AROUND ANNEALED FR.	40°	30°						36.00				
							30°	40°(f1) 20°(f2)										
					37	UNIT E: INTERBEDDED UNITS ARE MORE SILISIC WITH SOME MOLAR TOOTH STRUCTURE, SOFT SED. DEFORMATION, INTERBEDDED NORMALLY GRADED L./M. GRAY TO BUFF DOLARENITE, DOLOSILTITE AND DOLOMICRITE.	45°	40										
			3.0	85										T9543	0.01	<0.01	0.01	<0.01
					38	38.00 — 5% SQ VLTS (1 TO 25mm; AVE 3mm); TALC AND PY ALSO FOUND ALONG CL. AND FR.; BOTH TALC AND PY FILLED FR VC SQ AND SD VLTS; MINOR LI; ROCK BL. MAINLY WHERE IN CONTACT WITH PY. TALC IN FR. ICR D/S; PY ICR D/S.	40°	60°										
	39.00				39									39.00				
							40°	25°(f2)										
					40		40°	40°										
			3.0	80										T9544	0.01	<0.01	0.01	<0.01
					41													
							45°	35°										
	42.00				42		45°	50°						42.00				
					43		40°	30°										
			3.0	75										T9545	0.01	<0.01	<0.01	<0.01
					44		30°	50°										
	45.00				45		45°							45.00				
					46	45.53 — 2 ZONES FR. CL (5 AND 8cm WIDE) WITH FR FILLING SD TALC AND PY.												
			3.0	75		46.30 — SHEETED BC ZONE (40cm WIDE) WITH 5% BF TALC AND MINOR SD.	50°	45°						T9546	0.01	<0.01	0.01	<0.01
					47	1% SD VLTS (1 TO 10mm; AVE 1.5mm) MINOR LI	40°	30°(f2)										
							50°	65°										
	48.00				48									48.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 — Page 4 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK RANGE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					49		30°	50°										
			3.0	75										T9547	< 0.01	< 0.01	0.01	< 0.01
					50	49.90 — FR INTENSITY ICR WITH FR FILLING SD ALONG FR (AVE 1mm THICK); 4% PY OCCURS AS FR FILLING AND AS BLEBS (UP TO 20mm); PY ALONG BD PLANES	40°	45°										
	51.00				51	(UP TO 2mm THICK); RLE ALONG PY BLEBS AND VLTS; MINOR TALC IN FR — (OVER NEXT 5m)	35	40°						51.00				
					52	51.77 — INTERBEDDED COARSE POLYMICTIC SANSTONE (5cm WIDE)	40°	60°										
			3.0	90										T9548	0.01	< 0.01	0.01	< 0.01
					53		40°	60°										
	54.00				54		40°	45°						54.00				
					55		35°	50°										
			3.0	90		BR COARSE (33cm WIDE); 10% BF SD; MINOR PY								T9549	< 0.01	0.02	0.02	< 0.01
					56	55.67 — 56.00 — UNIT E: INTERBEDDED D. GREY DOLOSILTITE AND BLACK DOLOMICRITE. 4% SD VLTS (1 TO 6mm; AVE 2mm)	35°	55°						57.00				
	57.00				57													
					58	57.61 — 10% SD VLTS (1 TO 20mm; AVE. 4mm); PY VLTS AND BLEBS WITH BLE HALOS. (UP TO 57.80m)	40°	40°										
			3.0	80		2% SD AND PY VLTS (1 TO 10mm; AVE. 2mm); PY BL 1/20cm (UP TO 20mm)								T9550	0.05	0.04	0.02	< 0.01
					59		50°	25 (F_2) 40 (F_1)										
	60.00				60		55°	25 (F_2)						60.00				
					61		45°	50°										
			3.0	90										T9551	0.01	0.01	0.01	< 0.01
					62		45°	55°										
						62.23 — SPACED BR VLTS (OVER 33cm) WITH UP TO 90% BF SD; MINOR TALC AND PY.	45°	60°										
	63.00				63									63.00				
					64			45°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 5 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	CD %
			3.0	95	64	UNIT E: SAME AS PAGE 4												
						<1% SD PY VLTS (0.5 TO 4.0mm; AVE 1mm): BLE HALOS AROUND EDGES OF VLTS; MINOR GL AND PY IN THE MODE STRONGLY ER AND VN OO BD								T9552	0.01	0.01	0.02	<0.01
					65		45°	70°										
	66.00				66	ER INTENSITY ICR D/S		40°						66.00				
					67	66.86 — Oolite bed (1.24m) 1 TO 1.5mm; AVE 1.0mm												
			3.0	80										T9553	0.02	0.13	0.11	<0.01
					68	2% SD AND SQ VLTS (1 TO 30mm; AVE 2mm): SOME VLTS BR; MINOR GL; BLE HALOS AROUND PY IN BL AND VLTS. UNIT C: UNDULOSE CRYPTAL ALGAL LAMINAE; L. TO M. GREY	50°	40°										
	69.00				69									69.00				
							40°	45°										
					70													
			3.0	65			25°	35°						T9554	0.11	0.05	0.05	<0.01
					71		25°	60°										
	72.00				72	72.00 — Oolite bed (0.77m) 1 to 1.5mm; AVE 1.0mm								72.00				
						UNIT C: CONTINUED AS BEFORE		45°										
					73													
			3.0	75										T9555	0.15	0.14	0.04	<0.01
					74	74.00 — 20% SD VLTS (OVER NEXT 0.68m); SD FILLING FR; MINOR GL AND SL.	45°	45°										
	75.00				75	3% SD VLTS (1 TO 4mm; AVE 2mm); MINOR PY AND SL		55°						75.00				
					76		40°	40°										
			3.0	80										T9556	0.03	0.05	0.02	<0.01
					77		30°	65°										
	78.00				78			40°						78.00				
					79	78.86 — MOLAR TOOTH DOLOMITE (UP TO 80.10m)												
			3.0	90			40°	50°						T9557	0.09	0.07	0.04	<0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 6 of 10

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

MOLAR TOOTH DOLOMITE

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					80			35°										
						80.10 — 3% SD VLTS (1 TO 4mm; AVE 2mm); MINOR PY, BLE — UNIT D: WORMY DOLOMICRITE; D. GREY TO BLACK WITH WHITE SPARRY WORMY STRUCTURES											
	81.00				81									81.00				
								30°										
					82	81.98 — BR (5cm) WITH BC SD AND PY (5%); STRONGLY BLE; LI STAINING		50°										
			3.0	85										T9558	0.24	0.12	0.05	<0.01
					83			40°										
	84.00				84	83.93 — UNIT C: UNDULOSE CRYPTOALGAL LAMINAE		40°						84.00				
						84.30 — BC ZONE (58cm WIDE); BC SD WITH MINOR PY GL SL; STRONG LI STAINING; BLE												
					85			50°										
			3.0	80		5% SD VLTS (1 TO 4mm; AVE 2mm); MINOR SL, PY, GL; BLE.	30°	65°						T9559	1.03	0.42	0.09	<0.01
					86	MIN/2 ICR D/S												
	87.00				87		20°	60°						87.00				
					88		30°	60°										
			3.0	90		88.45 —								T9560	0.68	0.25	0.07	<0.01
					89	SD AND QS VLTS (1 TO 15mm; AVE 8mm); SL>GL>PL; 1/20-30 cm; LI STAINING — UNIT D: WORMY DOLOMICRITE; D. GREY TO BLACK WITH WHITE SPARRY WORMY STRUCTURES		45°										
	90.00				90			50°						90.00				
					91		50°	60°										
			3.0	75										T9561	1.02	0.48	0.20	<0.01
					92			45°										
						92.20 — UNIT C: UNDULOSE CRYPTO-ALGAL LAMINAE												
	93.00				93									93.00				
							40°	45°										
					94	93.86 — 3% SD VLTS (0.5 TO 4mm; AVE 1mm); SL>GL>PY; PY BL CUP 4013mm) 1/30-40cm. (4P TO 99.56m)	25	55°										
			3.0	90										T9562	0.31	0.35	0.11	<0.01
					95													

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-13 Page 7 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					95	UNIT C: UNDULOSE CRYPTO-ALGAL LAMINAE	35°	50°											
	96.00				96	FR. INTENSITY DCR.		45°							96.00				
					97		20°	40°											
			3.0	85		97.20 — UNIT E: INTERBEDDED M. TO DARK GREY DOLOMICRITE, DOLO SILTITE AND DOLOARENITE; NORMALLY GRADED; SOFT SED. DEFORMATION COMMON.									T9563	0.08	0.05	0.02	<0.01
					98		25	45°											
	99.00				99										99.00				
							20°	55°											
					100	99.56 — FR INTENSITY ICR.; ROCK BROKEN UP; LI STAINING													
			3.0	80		100.30 — FAULT?; ROCK BROKEN UP; GOUGE; LI STAINING (28cm WIDE)									T9564	0.80	0.10	0.06	<0.01
					101	3 BR ZONES (2, 12 AND 13cm WIDE); SD BF WITH ABUNDANT PY; BLE (20%); MINOR SL, GL													
						101.35 — Oolite bed (50cm WIDE) 0.5 TO 1.5mm; AVE 1.0mm	35°	60°											
	102.00				102	10% SQ VLT (3 TO 25mm: AVE 5mm) WITH ABUNDANT PY; MINOR GL AND SL — UNIT C: UNDULOSE CRYPTOALGAL LAMINAE	55°	70°							102.00				
					103														
			3.0	80			35	65°							T9565	1.97	0.11	0.11	<0.01
					104	103.84 — SQ VN (12cm WIDE)													
						104.14 — BR COARSE (50cm WIDE); 35% BF SQ AND SL WITH MINOR GL; PY; CLASTS ROTATED AND ANGULAR			6 BF VLT	1	104.14 BF VLT	0	0	1 BF VLT	0				
						104.63 — 5% SD VLTS (1 TO 6mm; AVE 2mm); STRONG PY WITH BLE HALOS AROUND VLTS; GL AND SL MINOR TO ABSENT (UP TO 108.80m)					104.63								
	105.00				105		45°	55°							105.00				
					106														
			3.0	80											T9566	0.28	0.05	0.03	<0.01
					107		50°	65°											
	108.00				108		50°	40°							108.00				
							60°	40°											
					109	108.80 — BR ZONE COARSE (47cm WIDE); BF SQ > SL > PY > GL; STRONGLY BLE; CLASTS ROTATED AND ANGULAR													
			3.0	90				50°	8 BF VLT	1	108.80 BF VLT 109.37	0	0	1 BF VLT	0	T9567	1.67	0.07	0.15	<0.01
					110			50°											

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-13 Page 8 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
		111.00			111	UNIT C: UNDULOSE CRYPTO-ALGAL LAMINAE 2% SQ VLTS (1 TO 30mm; AVE 5 mm); VLTS SPACED 1/20-30cm WITH SOME VLTS RICH IN SL > GL AND MINOR PY. OCCURS UP TO 124.63m. (<1% Pb+Zn)		40°							111.00				
					112			40°										
			3.0	85										T9568	0.13	0.07	0.04	<0.01
					113		45°	50°										
		114.00			114			50°						114.00				
						114.30 — SHEETED FR CL ZONE (16cm WIDE); 25% SD ALONG CL.												
					115													
			3.0	95				45°						T9569	0.59	0.06	0.04	<0.01
					116	BD UNDULATORY BD ORIENTATIONS VARY STRONGLY; PERVASIVE SHEAR ALONG MICROFRACTURES OFTEN DESTROYS BD.		55°										
		117.00			117									117.00				
								45°										
					118			45°										
			3.0	95										T9570	0.39	0.18	0.12	<0.01
					119			50°										
		120.00			120									120.00				
								60°										
					121													
			3.0	95				60°						T9571	0.06	0.10	0.05	<0.01
					122			60°										
		123.00			123									123.00				
								55°										
					124													
			3.0	90										T9572	0.46	0.12	0.21	<0.01
						124.63 — SHEETED FR. CL AND BR ZONE (32cm); SD FR AND BF; MINOR PY AND GL; LT. STAINING; BLE												
					125			50°										
						4% SD VLTS (1 TO 4mm; AVE 2mm); MINOR PY SL GL; BLE		45°										
		126.00			126									126.00				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 — Page 9 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH	COLLAR / ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					126	126.16 — SHEETED FR SHEAR ZONE (67cm WIDE); SD VLTS ALONG CL AND FR (1 TO 10 mm; AVE 2mm); SL ≫ GL ≈ PY		40° SD VLTS	6 FR CL	1 FR CL 126.16	0	0	1 FR CL	0					
					127	22% SD VLTS (UP TO 130.37m) WITH MINOR GL SL PY (1 TO 3mm; AVE 2mm).				126.83									
			3.0	100															
						127.53													
					128	UNIT D: WORMY DOLOMICRITE; m. TO DARK GREY WITH WHITE SPARRY WORMY STRUCTURES										T9573	0.80	0.31	0.21	<0.01
						STILL STRONGLY SHEARED ALONG MICROFRACTURES		70° MICRO-FRACTURE CL											
	129.00				129		60°	30° SD VLTS											
								55° SD VLTS							T9574	0.90	0.08	0.13	<0.01
			3.0	80		130.37 — 5% SD VLTS (UP TO 132.41); WITH PY AND MINOR SL AND GL; STRONGLY BLE ALONG EDGES OF VLTS.													
					131			50 MFC 20 SD VLTS											
	132.00				132										T9575	0.45	0.53	0.65	0.01
						132.41 — TOP OF STRONGLY MIN/2 ZONE; 10% SD VLTS WITH SL ≫ GL ≈ PY; (1 TO 15mm; AVE 4mm)			6 VLT FR	1 VLT FR	0	0	1 VLT FR	0					
					133	132.89 — BR COARSE (30cm WIDE); 60% BF SD WITH SL ≫ PY > GL; CLASTS ROTATED AND ANGULAR		40°		132.89									
						133.09 — 25% SD VLTS ALONG FR AND CV; SL ≫ PY > GL; (1 TO 12mm; AVE 4mm); 3 SMALL BR ZONES (3 TO 10cm WIDE) WITH 40% BF SD; SL ≫ PY ≫ GL			11	2	0	5	3					
			3.0	95				45°		133.09									
					134				8 FR CL BR	1 FR CV BR	0	0	3 FR CV BR	0					
						134.24 — 2 SHEAR ZONES (21 AND 23 cm WIDE) WITH SD VLTS ALONG SHEARS AND FR; SL ≫ PY ≈ GL				134.24									
	135.00				135				7 FR CV	1 FR CV	0	0	1 FR CV	0					
						135.01 — 15% SD VLTS (1 TO 20mm; AVE 4mm) ALONG CV AND FR WITH 19cm WIDE SHEAR ZONE AT 136.36m SL > PY ≈ GL		50°		135.01					T9576	4.85	0.85	0.49	0.01
							40°												
					136				5 VLT FR	2 VLT FR	0	0	2 VLT FR	0					
			3.0	95			25°	55°											
						136.55 — UNIT C: UNDULOSE CRYPTOALGAL LAMINAE													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 — Page 10 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	
		AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES	COMMENTS (UNIT C: UNDULOSE CRYPTOALGAL LAMINAE)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE
					137			
						137.04 — SHEETED CV WITH MIN/Z ALONG CV AND FR; SMALL BR ZONES UP TO 2 cm WIDE; 20% SD VLTS ALONG FR AND CV; SL >> GL ≈ PY; MINOR TALC ALONG CV; STRONG LI STAINING ICR D/S; HZ ICR D/S		60°
	138.00				138			60°
			3.0	90	139	138.77 — ZONE HIGHLY FR AND CV WITH VERY STRONG LI STAINING; DARK BROWN PATCHY ANKERITE? ASSOCIATED WITH SD VLTS; CORE ORANGE-YELLOW-BROWN IN COLOUR; MIN/Z DIFFICULT TO ESTIMATE; LAST 30cm OF ZONE SILICIFIED	40°	50°
					140			
	141.00				141	140.52 — 10% SD VLTS ALONG FR AND CL; STRONGLY FR; MODERATE LI STAINING; SL		
								40°
					142	141.95 — FAULT - GOUGE AND BROKEN UP ROCK (30cm WIDE); STRONG FR CL WITH VERY STRONG LI STAINING; ROCK RUSTY BROWN IN COLOR; POSSIBLE REPLACEMENT WITH ANKERITE? 15% SD VLTS ALONG FR AND CL (1 TO 6mm; AVE 2mm) - UP TO 143.70		45°
			3.0	80				
					143	143.20 — Oolitic bed (10cm WIDE) AVE. 1.5mm DIAMETER		50°
	144.00					END OF MIN/Z		
					144	143.70 — MOD. FR CL WITH MOD. ANKERITE REPLACEMENT AND LI STAINING; PATCHY RUST BROWN IN APPEARANCE; MINOR PY; 5% SD VLTS (1 TO 3mm; AVE 2mm) - UP TO 145.90		50°
								60°
					145		40°	
			3.0	85				
					146	145.90 — VERY STRONG FR CV WITH PERVASIVE ANKERITE REPLACEMENT; PATCHY RUST BROWN TO YELLOW ORANGE; STRONGLY SHEARED; 5% SD VLTS ALONG CV (1 TO 3mm; AVE 2mm).	35°	60°
	147.00				147	147.00		40°
						147.05 — MOD. TO STRONG FR CV. WITH MOD. ANKERITE REPLACEMENT; PATCHY RUST BROWN SPOTS; LI STAINING; 3% SD VLTS ALONG CV AND FR. (0.5 TO 6mm; AVE 1mm); MINOR PY.		
					148			45°
			3.0	85		UNIT E: IB BLACK MUDSTONE, M.TO. DARK GREY DOLOSILTITE AND L. GRAY DOLOARENITE; SOFT SED. DEFORMATION COMMON; INTRACLASTS BEDS COMMON		
					149	149.00 — CORE WEAKLY FR; 3 SD VLTS OCCUR ALONG CV AND FR (UP TO 1mm); MOD. PY ALONG VLTS; BLE ALONG EDGES OF PY BEARING VLTS; PY BL (UP TO 10mm) 1/10cm - UP TO 157.60		40°
								45°
	150.00				150			
			2.0	85	151			
							40°	50°
	152.00				152			

SULPHIDES % / MODE																								SAMPLE NUMBER	ASSAYS			
SL			GL			CP			TT			PY			HZ										Zn %	Pb %	Ag opt	CD %
						137.04																						
9	VLTS	FR	1	VLTS	FR	0			0			1	VLTS	FR	1													
						138.77																						
2	CL	FR	0			0			0			1	CL	FR	1									T9577	2.67	0.19	0.15	<0.01
						140.52																						
																								141.00				
2	CV	FR	0			0			0			1	CV	FR	0													
						141.95																		T9578	1.46	0.15	0.12	<0.01
																								144.00				
																								T9579	0.27	0.03	0.02	<0.01
																								147.00				
																								T9580	0.38	0.08	0.04	<0.01
																								150.00				
																								T9581	0.16	0.09	0.06	<0.01
																								152.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 11 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CD %
					152			40°											
			2.0	90	153			50°							T9582	0.04	0.05	0.03	<0.01
						153.40 — 15 cm WIDE PY RICH ZONE; PY BL (UP TO 20mm) AND PY VLTS (UP TO 10mm WIDE); STRONG LI STAINING	40°	50°										
	154.00				154										154.00				
								55°	60°										
			3.0	95	155			30°	40°						T9583	0.09	0.19	0.12	<0.01
					156			20°	40°										
	157.00				157										157.00				
									40°										
						157.60 — LI STAINING AND PY ICR; 2 BR ZONES NEAR BASE OF ZONE (26 AND 20cm WIDE); 20% BF SD; COARSE TO FINE CLASTS ANGULAR TO ROTATED		65										
			3.0	80	158				55°						T9584	1.61	0.26	0.17	<0.01
					159	159.04 — START OF MIN/2; 10% SQ VLTS (1 TO 14mm; AVE. 4mm) SL >> PY; MINOR GL; WEAK LI STAINING	65	55°			159.04							
						159.17 — Oolitic bed (8cm WIDE); UP TO 1.5mm DIAMETER													
	160.00				160										160.00				
								50°	5 VLT FR	0	0	0	2	VLT CR 0					
					161			65°											
			3.0	95											T9585	3.10	0.17	0.29	0.05
					162			50°											
						162.17 — BR AND BC ZONE (UP TO 164.55m); 25% BF SD WITH SL >> PY; MINOR GL		50°			162.17							
	163.00				163										163.00				
								55°	8 BF BC	<1	BF BC 0	0	2	0					
					164			55°											
			3.0	85		INTRACLAST BED AT THE BASE OF BC (25cm)									T9586	2.21	0.03	0.04	<0.01
						164.55 — STRONG POKER CHIP CL WITH DISPLACEMENT ALONG CV PLANES; MOD. FR; 5% SD VLTS ALONG CV AND FR (UP TO 5mm WIDE); MOD. LI STAINING THAT ICR D/S		50°			164.55							
					165														
	166.00				166	165.88 — STRONGLY BLE (UP TO 172.62); PART OF ALTERATION HALO OF INTRUDED DIORITE; CORE BROKEN UP AND ALTERED TO GOUGE LIKE CLASTS.		60°							166.00				
								45°											
					167														
			3.0	40											T9587	0.16	0.02	0.01	<0.01

A90-0278

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 — Page 12 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E : SEE PAGE 10)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Au %
					168													
								45°										
	169.00				169									169.00				
						MOD. TO STRONGLY BLE AND LI STAINED; CORE BROKEN UP												
			3.0	75	170			50°						T9588	0.17	0.01	0.02	<0.01
					171													
	172.00				172									172.00				
							40°											
						172.62 — CHLORITICALLY ALTERED AND BLE GABBRO												
			3.0	60	173									T9589	0.10	<0.01	0.02	0.01
					174	ALTERED GREEN TO WHITE, CORE BROKEN UP.												
	175.00				175									175.00				
					176													
			3.0	65										T9590	0.05	<0.01	0.01	0.01
					177	177.26 — UNIT E: UNDULOSE CRYPTOALGAL LAMINAE; IB BLACK MUDSTONE; L. TO M. GREY DOLOSILTITE AND L. GREY DOLOARENITE; BEDS ARE VERY THIN TO LAMINATED; STROMATOLITE LAMINAE SOME TIMES CAP MUDSTONE BED.												
	178.00				178	177.81 — END OF ALTERATION ZONE BELOW DIORITE; LI STAINING	40°	50°						178.00				
					179													
			3.0	95		10% SD VLTS; 2 GENERATIONS; 5% FIRST GENERATION	45°	40°						T9591	0.02	<0.01	<0.01	<0.01
					180	SD VLTS (2 TO 10mm; AVE 4mm) PARALLEL TO CORE AXIS; 5% SECOND GENERATION SD VLTS XC FIRST GENERATION (0.5 TO 5mm; AVE 3mm) MILKY WHITE IN COLOR AND WEAKY LI STAINED; OFTEN MICRODISPLACEMENT ALONG GENERATION 2 CV. - UP TO 212.60m	40°	50°											
	181.00				181									181.00				
							50°	50°										
					182													
			3.0	90			50°	65°						T9592	0.02	<0.01	0.01	<0.01
					183													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-13 | Page 13 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E: SEE PAGE 12)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Au g/t
					183		50°	50°										
	184.00				184	MICRODISPLACEMENT ALONG FR. AND CV								184.00				
							55°	45°										
			3.0	85	185									T9593	0.01	<0.01	<0.01	<0.01
					186		50°	50°										
	187.00				187			45°						187.00				
							40°											
			3.0	90	188		10°	50°						T9594	0.01	<0.01	<0.01	<0.01
					189													
	190.00				190	SOFT SED DEF.; NEPTUNIAN DYKES COMMON; BD STRONGLY UNDULATORY, ORIENTATIONS VARY.	5°	50°						190.00				
					191													
			3.0	100			10°	50°						T9595	0.01	0.01	<0.01	<0.01
					192	191.87 — 44cm WIDE ZONE M. TO STRONGLY FR.; 15% SD VLTS ALONG FR AND CV.		50°										
	193.00				193		40°							193.00				
						193.20 — 30cm WIDE ZONE; CORE BROKEN UP; STRONG BLE ALONG FR AND CV.												
					194			50°										
			3.0	95				50°						T9596	0.02	<0.01	<0.01	<0.01
					195		25°	60°										
	196.00				196		25°	65°						196.00				
					197													
			3.0	90			55°	50°						T9597	0.02	0.01	<0.01	<0.01
					198													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-13 | Page 14 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS (UNIT E: SEE PAGE 12)	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					199	198.93 — 5D VN (5cm WIDE) @ 25°												
	199.00						45°	35°						199.00				
					200	199.91 — 6cm WIDE ZONE 4 cm WIDE SD VN PSUEDO-PARALLEL TO CORE AXIS.												
			3.0	95										T9598	0.01	0.01	<0.01 OPT	<0.01
					201	STRONG MICRODISPLACEMENT ALONG FR. AND CV.	50°	40°										
	202.00				202									202.00				
							55°	55°										
					203		45	65°										
			3.0	100										T9599	0.01	<0.01	<0.01	<0.01
					204	LI STAINING ALONG FR; FR INTENSITY MOD. TO INTENSE												
							10°	50°										
	205.00				205									205.00				
							40°	40°										
					206													
			3.0	95			20°	45°						T9600	0.02	<0.01	<0.01	<0.01
					207													
	208.00				208		40°							208.00				
							40°	50°										
					209													
			3.0	85			40°							T9601	0.01	<0.01	<0.01	<0.01
						209.65 — INTENSE FR AND LI STAINING ALONG SD VLTS; WEAKLY TO MOD. SILICIFIED; 15% SD VLTS AND ALONG FP.												
					210		40°											
	211.00				211									211.00				
							45°											
					212													
			3.0	80										T9602	0.01	<0.01	0.01	0.01
						212.60												
					213	UP TO 217.02, GABBRO STRONGLY BLE; PYROXENE ALTERS TO CHLORITE (GREEN) AND PLAGIOCLASE (ANORTHITE?) ALTERED TO EPIDOTE AND A WHITE Ca-RICH CLAY MINERAL. MALACHITE ALONG SV AND FR AT GABBRO/UNIT E CONTACT	CHLORITICALLY ALTERED AND BLE GABBRO											
	214.00				214									214.00				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 15 of 18

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CHLORITICALLY ALTERED AND BLE GABBRO

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					214			50°										
					215	214.55 — ANKERITE AND PY ALONG SD VLTS (1 TO 10mm); MOD TO STRONG LI STAINING (OVER 20cm); 4% SD VLTS												
			3.0	95										T9603	0.01	<0.01	<0.01	<0.01
					216			40°										
— —	217.00	— — —	—		217			50°						217.00	— — —	— — —	— — —	— — —
						217.02 — MOD ALTERED GABBRO; <2% SD VLTS (UP TO 2mm)												
					218			40°										
			3.0	90				50°						T9604	0.05	0.03	0.01	0.01
					219	MALACHITE ALONG FR.												
								60°										
— —	220.00	— — —	—		220									220.00	— — —	— — —	— — —	— — —
						220.42 — 4% SD VLTS (1 TO 5mm; AVE 2mm) ALONG FR; OFF WHITE TO SPARRY SD.		65°										
					221													
			3.0	100										T9605	0.04	0.05	0.02	0.02
					222			50°										
— —	223.00	— — —	—		223			55°						223.00	— — —	— — —	— — —	— — —
					224	223.94 — SD PY VLT (1.0cm WIDE)												
			3.0	95				65°						T9606	0.05	0.08	0.03	0.03
					225			45°										
— —	226.00	— — —	—		226	225.52 — VERY STRONGLY ALTERED GABBRO; BROWN/OLIVE GREEN; GREEN GOUGE AT 226.23m; POSSIBLE FAULT? NO SD VLTS.		50°						226.00	— — —	— — —	— — —	— — —
						FAULT?												
					227			55°										
			3.0	85				45°						T9607	0.05	0.03	0.02	0.02
					228	227.80 — 3% SD VLTS (UP TO 3mm)												
— —	229.00	— — —	—		229	229.00 — MOD TO STRONGLY ALTERED; BLE GREEN-YELLOW TO RUSTY BROWN IN ZONES; UP TO 10% SD AND TALC VLTS (1 TO 11mm; AVE 3mm)		45°						229.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 16 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppb OPT	Cu %
					230	CHLORITICALLY ALTERED AND BLE GABBRO												
								60°										
			3.0	100	231			40°						T9608	0.01	<0.01	0.01	0.01
								50°										
--	232.00	--	--	--	232			55°						232.00	--	--	--	--
					233			45°										
			3.0	100										T9609	0.01	0.01	0.01	0.01
					234			45°										
						234.13 — MOD. BLE GABBRO; 10% SD VLTS <1 TO 20mm; AVE 8mm); STRONGLY BLE YELLOW-ORANGE-BROWN AROUND FRACTURES AND SD VLTS; WEAK FOLIATION WITH TALC ALONG FOLIATION PLANES; WEAKLY SHEARED? OXD. FLUIDS?												
--	235.00	--	--	--	235									235.00	--	--	--	--
								40°										
					236													
			3.0	100										T9610	0.03	0.02	0.02	0.02
					237													
								45°										
--	238.00	--	--	--	238			50°						238.00	--	--	--	--
					239	MINOR GL IN SD VLTS.		50°										
			3.0	90										T9611	0.01	<0.01	0.01	0.01
					240			40°										
--	241.00	--	--	--	241									241.00	--	--	--	--
								50°										
					242			40°										
			3.0	100										T9612	0.01	<0.01	0.01	0.05
					243			50°										
--	244.00	--	--	--	244			40°						244.00	--	--	--	--
								45°										
					245	244.57 — MALACHITE AND AZURITE ALONG CV PLANE; TALC ICR ALONG FP CV.												

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 17 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol. Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ● BEDDING	STRUCTURE CLEAVAGE
						CHLORITICALLY ALTERED AND BLE GABBRO		
								70
			3.0	100				75
								70
	247.00							
								75
			3.8	100				70°
						249.70 — SHEETED FR CL; VERY STRONGLY BLE		
								65°
	250.80					250.80 — SHEETED BR (76cm WIDE) WITH COARSE TO FINE ROTATED ANGULAR CLASTS; 20% BF SD; SL AND HZ; STRONG LI STAINING; OXD. FLUIDS? STRONGLY SI		65°
			2.10	90		251.56 — BR COARSE (77cm); ROTATED ANGULAR CLASTS; BF SD WITH SL>GL>PY; STRONG LI STAINING; MINOR HZ; VERY STRONGLY SILICIFIED		50°
						252.23 — SHEETED BR; BF SQ; SL?; SILICA FLOODED; MINOR LI STAINING		
	252.90					252.87 — MOD. BLE GABBRO: 10% SQ VLTS / 1 TO 35mm; AVE 3mm); STRONGLY BLE YELLOW-ORANGE-BROWN AROUND FR AND SQ VLTS; WEAKLY FOLIATED WITH TALC ALONG FOLIATION PLANES AND ALONG SD VLTS AND FR.		55°
			3.10	95		254.46 — 6cm WIDE GOUGE ZONE; ROUNDED FINE CLASTS; OFF WHITE IN COLOUR		55°
								70°
	256.00							65°
								65°
			3.0	100				65°
								55°
	259.00							
								70°
			3.0	100				60°

SULPHIDES % / MODE																SAMPLE NUMBER	ASSAYS				
SL		GL		CP		TT		PY		HZ							Zn %	Pb %	Ag OPT	Cu %	
																			OPT		
																T9613	0.02	0.01	0.01	0.03	
																-247.00	—	—	—	—	—
																T9614	0.02	0.04	0.01	0.02	
						250.80										250.80	—	—	—	—	—
3	BF	0		0		0		1	BF	1											
7	BF	2	BF	0		0		1	BF	1						T9615	3.96	0.78	0.29	0.04	
					251.36																
					252.23																
2		0		0	252.87	0		1		0						252.90	—	—	—	—	—
																T9616	0.03	<0.01	0.01	0.04	
																256.00	—	—	—	—	—
																T9617	0.03	<0.01	<0.01	0.02	
																259.00	—	—	—	—	—
																T9618	0.02	<0.01	<0.01	0.01	

A9020287

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-13 | Page 18 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK STAGE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					261	CHLORITICALLY ALTERED AND BLE GABBRO		60°										
								50°										
	262.00				262									262.00				
								55°										
					263													
								45°										
			3.70	100	264	GABBRO MOD. TO STRONGLY SHEARED WITH TALC ALONG FOLIATION								T9619	0.22	0.34	0.04	0.02
								55°										
					265			50°										
						265.48 — 13cm WIDE FAULT GOUGE; FINE TO MED. SUBROUNDED		55°										
	265.70				266	265.61 — TO ANGULAR CLASTS; 5 ZONE MAIN FAULT BREAK BR ZONE (4.66m WIDE); CLASTS COARSE TO FINE, ANGULAR TO SUBANGULAR AND ROTATED; 20-25% BF QS WITH UP TO 2% COMBINED GL+PY; MINOR BF TALC; ZONE IS INTENSELY SILICIFIED; LI STAINING MOD. TO WEAK.		UNIT C: UNDULOSE CRYPTOALGAL LAMINAE						265.70				
			2.30	80	267									T9620	0.17	0.32	0.03	0.02
	268.00				268									268.00				
					269													
			3.0	100										T9621	0.02	0.80	0.08	<0.01
					270													
	271.00				271	270.95 — 85cm WIDE FAULT GOUGE; FINE TO MED. SUBROUNDED TO ANGULAR CLASTS (20%); LI STAINING MOD. TO STRONG; UP TO 2% GL									271.00				
			1.80	70	272	271.80 — STRONG SHEETED FR CL ZONE; 10-15% SQ VLTS ALONG CV; SOME MINOR BR; MOD. LI STAINING; UP TO 1% GL		UNIT E: DOLOARENITE						T9622	0.10	1.17	0.22	0.06
								50°										
	272.80				273	272.85 — STRONGLY FR; 10-20% SQ VLTS (1 TO 12mm; AVE 3mm); WEAK TO MOD. LI; MINOR GL AND PY.									272.80				
								75°										
					274													
			3.20	90										T9623	0.04	0.08	0.03	<0.01
					275			70°										
	276.00				276			55°						276.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-13 Page 19 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE
					276	UNIT E: DOLOARENITE		
						276.38 — BROKEN UP CORE; ZONE BLE GRAY-GREEN; SD VLT INTENSITY WEAK TO MOD.		55°
			2.0	65	277			
								55°
	278.00				278	277.98 — SQ VN (20cm WIDE); 5-10% ANGULAR BR CLASTS; WEAK LI STAINING.		
						278.18		
					279	UNIT E: IB L. GREY DOLOARENITE AND DARK GREY TO BLACK MUDSTONE; SOFT SED. DEFORMATION STRUCTURES		
						2% SD VLTS (AVE 2mm)	20°	50°
			3.0	100				
					280			
							15°	60°
	281.00				281			
							30°	55°
					282			
			3.0	100			20°	55°
					283			
						283.48 — Oolite/Intraclast bed (1.25m THICK); On AVE 1.0m Diameter; IC AVE. 3mm, ANGULAR.	20°	55°
	284.00				284			
							30°	70°
						284.73		
					285	UNIT E; L. GREY DOLOARENITE IB W D.GREY DOLOSILTITE; FEW IC BEDS UP TO 5cm WIDE		
			3.0	100		5-10% SD VLTS (1 TO 15m; AVE 8mm); 2-3% GL+PY; STRONG LI STAINING IN VLTS WITH LI ALTERATION ENVELOPES AROUND VLTS; MINOR SL		
					286		20°	65°
						286.26 — 2% SD VLTS (1 TO 10mm; AVE 2mm); MINOR GL+PY; LI STAINING ALONG VLTS.		
	287.00				287		25°	45°
							30°	60°
					288			
			4.08	100				
					289		20°	45°
							30°	55°
					290			
							30°	55°
	291.08				291	291.08 — END OF HOLE		

SULPHIDES % / MODE: SL | GL | CP | TT | PY

SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
T9624	0.05	0.36	0.10	<0.01
278.00				
T9625	0.03	0.03	0.02	<0.01
281.00				
T9626	0.09	0.07	0.05	0.01
284.00				
T9627	0.51	0.65	0.33	0.01
287.00				
T9628	0.25	0.17	0.09	<0.01
291.08				

092912

ASSESSMENT REPORT NO. 23,028

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 Page 1 of 17

ELEVATION 1761.02m — DRILL CONTRACTOR E. CARON — CORE SIZE NQ — TOTAL DEPTH (m) 236.83m

COORDINATES 19,856.37N; 10,106.81E — LOGGED BY D. BULAT

SURVEY/DEPTH	COLLAR	82.3	236.8	ZONE 2,5,6,7,9
DIP	-50°	-49°	-41°	
AZIMUTH	035°		025°	SECTION 10,000E

HOLE STARTED JULY 27/90 — COMPLETED JULY 30/90

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/T	Cu %
	2.13				0									2.13				
			2.87	70	5	CORE STARTS OF 5.17								T9629	0.17	0.05	0.02	0.01
	5.00					5.17 — UNIT E: L. GRAY DOLOARENITE IB WITH BUFF GREY DOLOSILTITE; INTRACLAST BEDS COMMON; SOFT SED. DEFORMATION.	35°	65°						5.00				
			3.0	95	6	2% SD VLTS (1 TO 4mm; AVE 2mm); LI STAINING COMMON ALONG SD VLTS; PY STRONG IN SD VLTS; ROCK WEAKLY BLE; UP TO 14.39m.	60°	60°						T9630	0.03	0.03	<0.01	<0.01
					7		30°	65°										
	8.00				8									8.00				
							40°	65°										
			3.0	100	9		40°	55°						T9631	0.03	0.02	<0.01	<0.01
					10		35°	60°										
	11.00				11									11.00				
						11.46 — INTRACLAST BED (3cm WIDE)	40°	60°										
			3.0	100	12		35°	55°						T9632	0.01	0.01	<0.01	<0.01
					13	13.21 — COARSE GRAINED DOLOARENITE BED (6cm WIDE); POLYMICTIC	40°	50°										
	14.00				14									14.00				
						14.39 — 15% SD ALONG 2 VLTS (2 AND 3cm WIDE); BR WITH MINOR ROTATION OF CL ALONG VLTS; STRONG LI STAINING	45°	65°										
			3.0	95	15	15.09 — <2% SD VLTS ALONG FR (1 TO 3mm; AVE 2mm); WEAK TO NO LI STAINING; ROCK WEAKLY BLE UP TO 20.08.	50°	50°						T9633	0.91	0.02	0.01	<0.01
					16		30°	50°										
	17.00				17		40°	45°						17.00				
			3.0	100	18		40°	50°						T9634	0.01	0.02	<0.01	<0.01
					19	18.94 — 6cm WIDE INTRACLAST DOLOARENITE BED; POLYMICTIC.	40°	55°										
	20.00				20									20.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-14 — Page 2 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E: SEE PAGE 1)	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					20	20.08 — 3% SD VLTS (1 TO 6mm; AVE 2mm); PY COMMON IN SD VLTS; LI STAINING WEAK TO MOD. ALONG VLTS AND FR.; ROCK WEAKLY BLE; PY BL (UP TO 20mm) 1/10-20cm; UP TO 31.32m	40°	60°											
			3.0	90	21		35°	60°						T9635	0.01	0.02	<0.01	<0.01
					22		30°	55°										
	23.00				23		30°	55°						23.00				
			3.0	90	24	CORE BROKEN UP AND FRACTURED								T9636	0.05	0.05	0.01	<0.01
					25		40°	55°										
	26.00				26		30°	45°						26.00				
			3.0	95	27		40°	60°						T9637	0.02	0.02	0.01	0.01
					28		45°	50°										
	29.00				29	28.84 — XB DOLOARENITE (3cm WIDE)	40°	55°						29.00				
			3.0	100	30		35°	60°						T9638	0.03	0.03	0.01	0.01
					31	31.32 — MOD. TO HIGHLY FR.; 4% SD VLTS (1 TO 5mm; AVE. 2mm ALONG FR. AND CV; MOD TO STRONG LI STAINING ALONG FR AND CV; PY ALONG VLTS AND AS BL (UP TO 10mm); UP TO 35.28m		70°											
	32.00				32		60°	45°						32.00				
			3.0	90	33		50°	65°						T9639	0.04	0.01	<0.01	<0.01
					34		25°	75°										
	35.00				35	35.28 — 2% SD VLTS (AVE. 3mm); MILK WHITE COLOR; ∠75°; UP TO 43.75m.	30°	65°						35.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 Page 3 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E: SEE PAGE 1)	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					36													
							25°	75°						T9640	<0.01	0.01	<0.01	0.01
			3.0	100	37													
							40°	55°										
	38.00				38									38.00				
							30°	55°										
					39													
			3.0	100			45°	50°						T9641	<0.01	0.01	0.01	0.01
					40													
							50°	55°										
	41.00				41	40.70 — BC (7cm WIDE); 20% BF SD								41.00				
							40°	45°										
					42													
			3.0	100			45°	60°						T9642	<0.01	0.01	0.01	<0.01
					43													
							40°	55°										
	44.00				44	43.75 — SHEETED FR CV; 10% SD ALONG CV; STRONG LI STAINING; BC WEAK ALONG SOME CV.								44.00				
								45°										
					45	44.99 — MOD. TO STRONGER; 3% SD VLTS ALONG CV AND FR.; MINOR PY; LI ALONG FR AND CV; UP TO 48.10m													
			3.0	100			25°	60°						T9643	0.01	0.01	<0.01	<0.01
					46													
							35°	60°										
	47.00				47									47.00				
							40°	45°										
					48													
			3.0	100		48.10 — 2% SD VLTS (1 TO 5mm; AVE 2mm); WEAK LI STAINING; UP TO 61.04m	40°	50°						T9644	0.01	0.01	0.01	0.01
					49													
							35°	65°										
	50.00				50									50.00				
							25°	60°										
					51	50.48 — 73cm WIDE ZONE OF IB COARSE POLYMICTIC DOLOARENITE												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-14 Page 4 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS — UNITE: SEE PAGE 1	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					51													
						MICRODISPLACEMENT (UP TO 1.0 cm) ALONG CV AND FR.	25°	50°										
			3.0	100	52									T9645	< 0.01	0.01	< 0.01	0.01
							25°	65°										
	53.00				53									53.00				
							30°	55°										
					54													
			3.0	100			25°	70°						T9646	< 0.01	0.01	< 0.01	0.01
					55		20°											
	56.00				56	STRONG SOFT SED. DEFORMATION								56.00				
							30°	60°										
					57													
			3.0	100		57.47 — 2 RR ZONES (5 AND 6 cm); 20% BF SD.	30°	50°						T9647	0.01	0.01	< 0.01	< 0.01
					58		30°	50°										
	59.00				59									59.00				
							10°	55°										
					60													
			3.0	100			10°	60°						T9648	0.02	0.01	< 0.01	< 0.01
					61													
						61.04 — UNIT E: IB BLACK MUDSTONE, M. GREY DOLOSILTITE AND L. GREY DOLOARENITE; SOFT SED. DEFORMATION COMMON;	20°	50°									
	62.00				62	MOD. FR WITH 5% SD VLTS ALONG FR AND CV; STRONG LI STAINING ALONG FR AND CV; MINOR PY; CORE WEAKLY BLE; UP TO 65.54m.								62.00				
							15°	60°										
					63													
			3.0	100			15°	60°						T9649	0.01	0.01	< 0.01	< 0.01
					64													
							20°	50°										
	65.00				65									65.00				
							20°											
						65.54 — 1% SD VLTS (1 TO 4 mm; AVE 1 mm); UP TO 73.29m													
					66													
			3.0	100			20°	75°						T9650	0.01	0.01	< 0.01	0.01

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 Page 5 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT E: SEE PAGE 4)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPL	C/O %
					67													
						67.11 — 54cm WIDE POLYMICTIC GRANULAR CONGLOMERATE; GRANULES ROUNDED TO SUBANGULAR; AVE 3mm DIAMETER GRAIN SIZE	20°	60°										
	68.00				68									68.00				
							35°	50°										
			3.0	90	69									T9651	0.01	0.01	<0.01	0.01
							20°											
					70													
							10°	60°						71.00				
	71.00				71	20cm GROUND CORE 71.00 — 89cm WIDE SAND/GRANULE/PEBBLE CONGLOMERATE 10% PEBBLES; 25% GRANULES.												
							25°	50°										
			3.0	90	72	71.89 — UNIT E: L. GREY DOLOARENITE WITH 1B LAMINATIONS OF BUFF M. GREY DOLOSILTITE								T9652	<0.01	<0.01	0.02	<0.01
							30°	45°										
					73	73.29 — 3% SD VLTS (1 TO 5 mm; AVE 2mm); MODERATE LI STAINING ALONG FR AND CV; ROCK MOD. BLE; FR AND CV INTENSITY MOD.; UP TO 77.20m												
	74.00				74									74.00				
							20°	55°										
			3.0	100	75		30°	45°						T9653	<0.01	<0.01	<0.01	<0.01
					76													
							35°	55°										
	77.00				77									77.00				
						77.20 — UNIT E: 1B BLACK MUDSTONE; M. GREY DOLOSILTITE AND L. GREY DOLOARENITE; SOFT SED. DEFORMATION COMMON	30°	65°									
					78	77.59 — 10cm WIDE BC WITH 30% BF SD; CLAST UNROTATED												
			3.0	90		3% SD VLTS (1 TO 4mm; AVE 1mm); CV WEAK; LI STAINING WEAK; UP TO 83.82.	20°	60°						T9654	<0.01	<0.01	<0.01	<0.01
					79													
							15°	50°										
	80.00				80									80.00				
							20°	55°										
					81													
			3.0	100		FR AND CL INTENSITY ICR D/S	35°	65°						T9655	0.01	0.01	0.01	<0.01
					82													

A9020287 A9020967

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-14 Page 6 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS — UNIT E : SEE PAGE 5	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					82		25°	45°									OPT	
	83.00				83		30°	50°						83.00				
			2.0	90	84	83.82 — MOD. TO STRONGLY FR; 2-3% SD VLTS ALONG FR (UP TO 2mm; MOD LI STAINING; ROCK MOD. BLE; VP TO 85.04m	45°	50°						T9656	0.04	0.02	0.01	0.01
						85cm GROUND CORE FROM 85 TO 87 m	45°											
	85.00				85	85.04 — BR (1.83 m WIDE) WITH GOUGE ZONE OVER LAST 15cm; BR COARSE WITH QTZ VN AND UNIT E CLASTS; 55% BE QTZ AND SD; SUGGESTS AND EARLY QTZ VN PHASE WHICH HAS BEEN BR AND CEMENTED BY A LATER SD PHASE; CL SUBANGULAR; VERY STRONG LI STAINING; GOUGE ZONE COMPRISED OF 50% GOUGE, 5% CLASTS.						85.00				
			3.0	60	86									T9657	0.19	0.005	0.01	0.01
					87	86.87 — CORE BROKEN UP; MOD. FR; MOD LI STAINING; 4% SD VLTS (1 TO 3mm; AVE 2mm); ROCK MOD. BLE; ZONES OF BROKEN CORE; UP TO 96.81m	50°	60°										
	88.00				88									88.00				
							40°	45°										
					89		50°	50°										
			3.0	100		89.24 TO 90.61 UNIT E: IL BLACK MUDSTONE WITH L. TO M. GREY DOLOARENITE; SMALL INTRACLAST BEDS UP TO 2cm.									T9658	0.04	0.01	0.01	0.01
					90													
	91.00				91									91.00				
							20°	60°										
					92	PY BL (UP TO 15mm) 1/5-10cm OVER 30cm												
			3.0	100			10°	50°						T9659	0.03	0.01	0.01	<0.01
					93													
	94.00				94		15°	65°						94.00				
					95		30°	65°										
			3.0	90										T9660	0.02	0.02	0.02	<0.01
					96	96.40 TO 98.00 CORE BROKEN UP	20°	65°										
	97.00				97									97.00				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-14 | Page 7 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					98													
			3.0	90		START OF MIN/Z								T9661	0.18	0.05	0.07	<0.01
					99	98.61 — 6% SD VLTS (1 TO 20mm; 4mm); 1/5-10cm; MINOR PY >> GL, SL; MOD. CV; MOD. LI STAINING; BLE AROUND VLTS; UP TO 100.74	20°	50°											
—	100.00	—	—	—	100									100.00				
						2% PY BL (UP TO 15mm)		60°										
					101	100.74 — VERY STRONG FR CV ZONE (39cm WIDE); STRONG PERVASIVE LI; SMALL GOUGE ZONE 2cm WIDE		65°										
						101.13 — Oolite bed (37cm); AVE. 1mm DIAMETER; 10% SD VLTS ALONG CV AND FR. (1 TO 9mm; AVE 4mm); STRONG LI ALONG VLTS; <2% Pb+Zn													
			3.0	100		101.51 — 15% SD VLTS ALONG FR AND CV (1 TO 13mm; AVE. 7mm); SD BR CL COMMON IN VLTS; SL > GL ≃ PY; MOD LI STAINING; CORE STRONGLY SILICIFIED; UP TO 102.91 — UNIT C: L. GREY UNDULOSE CRYPTOALGAL LAMINAE			101.51					T9662	1.76	0.25	0.47	0.01
					102		30°	65°	3 VLT FR	1 VLT FR	0	0	1 VLT FR	0				
—	103.00	—	—	—	103	102.91 — 20% SD VLTS ALONG FR AND CV; BS AT 103.30 TO 103.62; (1 TO 20mm; AVE 10mm); STRONGLY SILICIFIED; SD BR CL COMMON IN VLTS; SL >> GL ≃ PY; UP TO 104.23m.	30°	60°			102.91			103.00				
									7 VLT FR	2 VLT FR	0	0	1 VLT FR	0				
					104		60°	65°										
						104.23 — 15% SD VLTS ALONG FR AND CV; <1 TO 25mm; AVE 8mm); SD BR CL COMMON IN VLTS; STRONGLY SILICIFIED; SL >> GL ≃ PY; UP TO 106.34			104.23					T9663	4.90	0.20	0.33	0.01
			3.0	100														
					105		30°	70°	5 VLT FR	1 VLT FR	0	0	1 VLT FR	0				
—	106.00	—	—	—	106									106.00				
								65°										
						106.34 — MOD. TO STRONGLY FR.; 10% SD ALONG FR. AND CV (1 TO 8mm; AVE 2.0mm); MOD. TO STRONG LI STAINING; MOD BLE AND SILICIFIED; UP TO 110.53m. SL >> GL; MINOR PY.			106.34									
					107													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 908-14 | Page 8 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TIME METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY		SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					107	UNIT C; UNDULOSE CRYPTOALGAL LAMINAE	40°	65°											
						107.62 — 42 cm WIDE ZONE STRONG FR CV; STRONGLY BLE AND LI													
			3.0	90	108			65°							T9664	2.84	0.23	0.17	0.01
									3 VLT FR	1 VLT FR	0	0	1 VLT FR	0					
	109.00				109	108.77 — 64 cm WIDE ZONE STRONG FR CV; STRONGLY BLE AND FR.									109.00				
								70°											
			1.90	95	110			50°							T9665	2.87	0.14	0.12	0.01
						110.53 — BR (10 cm WIDE); 90% BF SD AND SL; MINOR GL AND PY; 10% FINE ANGULAR SD CL ROTATED			15 BF	2 BF	0	110.53 0	1 BF	0					
	110.90				111	110.79 — 68 cm WIDE ZONE VERY STRONG FR CV; 5% SD ALONG FR CL; SL > GL; MINOR PY; LI STAINED; MOD TO STRONGLY SILICIFIED.		65°				110.79			110.90				
						111.47 — BR (1.26 m WIDE); 60% BF SD; QTZ CLASTS COARSE AND ANGULAR; 2 PHASES OF VEINING?; MOD LI STAINING; MOD TO STRONGLY SILICIFIED; SL > GL > PY													
			1.50	100					4 BF FR	1 BF FR	0	0	1 BF FR	0	T9666	1.91	0.10	0.05	0.01
					112														
	112.40														112.40				
					113	112.73 — END OF MINZ						112.73							
						GABBRO STRONGLY BLE; PYROXENE ALTERS TO CHLORITE (GREEN) AND PLAGIOCLASE (ANORTHITE?) ALTERED TO A Ca — CLAY MINERAL AND EPIDOTE AND CALCITE; LI STAINING ALONG FR AND VLTS — CHLORITICALLY ALTERED AND BLE GABBRO		50°											
			2.60	85	114			60°							T9667	0.08	0.05	0.04	0.03
	115.00				115			60°							115.00				
						115.55 — MOD. ALTERED AND BLE GABBRO; 2% CALCITE VLTS (1 TO 4 mm; AVE 3 mm); WEAK LI STAINING; UP TO 122.68												
					116			50°											
			3.0	100											T9668	0.09	0.08	0.03	0.02
					117			50°											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-14 Page 9 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	CU %
						CHLORITICALLY ALTERED AND BLE GABBRO												
– –	118.00				118			65°						118.00				
					119			55°										
			3.0	100										T9669	0.05	0.04	0.02	0.02
					120			60°										
– –	121.00				121			60°						121.00				
					122			60°										
			3.0	100										T9670	0.04	0.05	0.03	0.02
					123	122.68 — WEAKLY BLE AND ALTERED GABBRO; 1% CALCITE VLTS (1 TO 4mm; AVE 3mm); 3% EPIDOTE / SERPENTINE VLTS (UP TO 10mm); UP TO 140.32m.		60°										
– –	124.00				124			70°						124.00				
					125													
			3.0	90										T9671	0.03	0.03	0.02	0.02
					126			70°										
– –	127.00				127	127.73 — SERPENTINE VLTS – VARIETY B CHRYSOTILE (2 TO 20mm; AVE 10mm); SOME WITH UP TO 80% EPIDOTE.								127.00				
					128													
			3.0	90				65°						T9672	0.02	0.03	0.03	0.03
					129			70°										
– –	130.00				130									130.00				
					131			60°										
			3.0	100										T9673	0.02	0.04	0.02	0.02
					132													
								50°										
– –	133.00				133									133.00				

90-02096

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 Page 10 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS (CHLORITICALLY ALTERED AND BLE GABBRO)	CORE ANGLE ● BEDDING / STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					133												
					134		65°										
			3.0	100									T9674	0.04	0.04	0.02	0.02
					135		65°										
	136.00				136								136.00				
					137		60°										
			3.0	95									T9675	0.05	0.05	0.02	0.02
					138												
	139.00				139		55°						139.00				
					140		50°										
			3.0	95		140.32 — 3% SD VLTS (1 TO 4mm; AVE 2mm); STRONG LI STAINING ALONG EDGES OF VLTS; ROCK MOD. TO STRONGLY BLE; UP TO 149.85						T9676	0.07	0.04	0.02	0.02
					141		75°										
	142.00				142								142.00				
						142.31 — STRONG LI STAINING OVER 17cm; 8mm WIDE SD VLT.											
					143		75°										
			3.0	95									T9677	0.12	0.03	0.03	0.02
					144		70°										
	145.00				145		70°						145.00				
					146												
			3.0	100									T9678	0.07	0.01	0.01	0.01
					147		70°										
	148.00				148								148.00				
							65°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 — Page 11 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					149	CHLORITICALLY ALTERED AND BLE GABBRO												
								65°										
			3.0	95	150	149.85 — 5% TALC VLTS (1 TO 8mm; AVE 3mm); STRONGLY BLE WITH MINOR LI STAINING; CORE BLE YELLOW ORANGE; UP TO 153.23.		65°						T9679	0.02	0.01	0.02	0.02
	151.00				151									151.00				
								65°										
			2.0	95	152									T9680	0.02	0.01	0.04	0.07
								75										
	153.00				153	153.00 — CHALCOPYRITE IN TALC VLT (6mm WIDE); MALACHITE ALONG VLT								153.00				
						158.23												
						5% VERY STRONGLY LI STAINED QS VN (1mm TO 6cm; AVE 2cm); 2% CHALCOPYRITE MIN/Z. UNIT E & DOLOARENITE — VERY STRONGLY SILICIFIED; MOTTLED L. GREY AND WHITE													
			3.0	100	154									T9681	0.07	0.02	0.06	0.11
					155	NO PROMINENT CV OR BD.												
	156.00				156									156.00				
					157	156.89												
			3.0	95		MODERATE TO STRONGLY FR; 3% SD AND 7% TALC VLTS ALONG FR. (1 TO 10mm; AVE. 4mm); MOD TO STRONGLY BLE YELLOW — ORANGE AROUND TALC RICH VLTS; UP TO 161.58. CHLORITICALLY ALTERED AND BLE GABBRO								T9682	0.03	0.01	0.01	0.01
					158			65°										
	159.00				159									159.00				
								60°										
					160													
			3.0	100										T9683	0.02	0.01	0.02	0.04
					161			45°										
	162.00				162	161.58 — MOD. TO STRONGLY BLE; MOTTLED WHITE AND MED. GREEN; <1% SQ VLTS (UP TO 2mm WIDE); UP TO 164.48m.		60°						162.00				
								50°										
			3.0	100	163									T9684	0.01	0.01	0.01	0.01
					164			60°										

A9020967

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 Page 12 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
					164	CHLORITICALLY ALTERED AND BLE GABBRO											OPT	
						164.43 — MOD. TO STRONGLY BLE YELLOW ORANGE AROUND TALC VLTS; 5-10% TALC VLTS (1 TO 12mm; AVE 7mm); 3 SHEAR ZONE (UP TO 3cm WIDE) 1/SO – 60cm; MINOR LI STAINING ALONGER; UP TO 171.47.												
	165.00				165			60°						165.00				
			3.0	95	166									T9685	0.01	0.01	0.01	0.01
					167			70°										
	168.00				168									168.00				
					169			70°										
			3.0	100	170			70°						T9686	0.02	0.01	0.01	0.01
	171.00				171			70°						171.00				
						171.47 — STRONGLY BLE; 10% SD VLTS (1 TO 30 mm; AVE 4mm); 2% TALC VLTS (UP TO 2mm); UP TO 1% DISSEMINATED CP (AVE 1mm Bd); STRONG LI STAINED ZONES AT 172.90 AND 173.30; CP OCCURS IN BOTH SD AND TALC VLTS; UP TO 174.47.												
			3.0	100	172			70°						T9687	0.02	0.01	<0.01	<0.01
					173													
	174.00				174			70°						174.00				
						174.47 — MOD BLE WITH LI (RUSTY BROWN) STAINING ALONG FR; 5% SD VLTS (1 TO 11mm; AVE 3mm); MINOR TALC; UP TO 180.10.												
			3.0	100	175			75°						T9688	0.06	0.01	<0.01	0.01
					176													
	177.00					176.69 — 22cm WIDE ZONE OF 40% TALC; TALC VLTS (1 TO 100mm WIDE); SMALL (1cm WIDE) SHEAR ZONE AT 176.70.		55°						177.00				
					177													
					178			50°										
			3.0	100	179									T9689	0.02	0.01	<0.01	0.01
								65°										

A9020967

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-14 — Page 13 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CHLORITICALLY ALTERED AND BLE GABBRO

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
	180.00				180	180.04 — SD VLT (6cm WIDE); 10-15% CP												
						180.10 — MOD. TO STRONGLY SHEARED WITH TALC ALONG FOLIATION; STRONGLY BLE BROWN TO YELLOW-ORANGE; 3% SD AND TALC VLTS (1 TO 4mm; AVE 2mm); UP TO 204.92m.		65°										
					181													
			3.0	85				60°						T9690	0.03	0.01	0.03	0.08
					182													
								75°										
	183.00				183			75°						183.00				
					184													
			3.0	85				70°						T9691	0.04	0.01	<0.01	0.002
					185	184.83 — 35cm WIDE ZONE OF STRONGLY SHEARED GABBRO; 20% OF SHEAR ZONE IS GOUGE												
	186.00				186			70°						186.00				
						10% TALC VLTS (1 TO 10mm; AVE 4mm) ALONG FR AND CV.												
					187			60°										
			3.0	90				60°						T9692	0.02	0.01	<0.01	0.03
					188	STRONGLY BLE BROWN TO YELLOW-ORANGE												
								65°										
	189.00				189									189.00				
								70°										
					190													
			3.0	85		190.09 — VERY STRONGLY SHEARED; 4 GOUGE ZONES (1 TO 20cm WIDE); CORE STRONGLY FR AND BROKEN UP.		65°					T9693	0.02	0.02	0.01	0.02
					191	190.76		70°										
	192.00				192			70°						192.00				
					193	192.93 — STRONG MALACHITE ALONG FR.												
			3.0	85										T9694	0.05	0.01	0.02	0.30
					194													
								70°										
	195.00				195									195.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 903-14 Page 14 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (CHLORITICALLY ALTERED AND BLE GABBRO)	CORE ANGLE ● BEDDING	STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag gm/t	Cu %
					195	10% TALC VLTS (1 TO 12 mm; AVE 5mm) ALONG FR AND CV; UP TO 97.50m.		70°									OPT	
					196													
			3.0	95										T9695	0.02	<0.01	<0.01	0.02
					197			70°										
								60°										
—	198.00	—	—	—	198									198.00	—	—	—	—
								50°										
					199													
			3.0	100				60°						T9696	0.06	<0.01	<0.01	<0.01
					200													
								70°										
—	201.00	—	—	—	201									201.00	—	—	—	—
								60°										
					202			50°										
			3.0	95										T9697	0.04	<0.01	<0.01	<0.01
					203			60°										
—	204.00	—	—	—	204									204.00	—	—	—	—
								60°										
					205	204.92 — 10-15% SD VLTS (1 TO 43mm; AVE 5mm); MINOR CP IN SD VLTS; MOD. BLE MOTTLED GREEN-WHITE; LI STAINING ALONG FR AND VLTS;												
			3.0	85										T9698	0.07	<0.01	0.02	0.06
					206			50°										
—	207.00	—	—	—	207			60°						207.00	—	—	—	—
					208			70°										
			4.87	90										T9699	0.05	<0.01	0.05	0.15
					209			70°										
					210			70°										

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-14 — Page 15 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT.	Cu %
					211	CHLORITICALLY ALTERED AND BLE GABBRO		70°											
						STRONGLY BLE ORANGE-YELLOW; STRONGLY SHEARED													
– –	211.87	– – –	–	–	212	211.82		65°			211.82					211.87	– – –	– – –	– – –
			1.05	85		UNIT C: UNDULOSE CRYPTOALGAL LAMINAE		45°								T9700	0.35	0.08	0.09	<0.01
– –	212.92	– – –	–	–	213	212.76 — START OF MINIZ; 10% SQ VLTS ALONG FR; GL ≅ SL > PY; MOD. SILICIFIED; VLTS (1 TO 10mm; AVE. 5mm); MINOR LI STAINING.			3 BF VLTS	4 BF VLTS			3 BF VLTS		212.92	– – –	– – –	– – –	– – –
			2.18	100	214	213.85 — BR ZONE WITH BANDS OF BC (73cm WIDE); 20% BF SQ AND QS; GL > SL ≅ PY; MINOR LI STAINING; UP TO 215.68.		45°							T9701	2.61	6.05	1.36	0.01
					215			45°											
– –	215.10	– – –	–	–											215.10	– – –	– – –	– – –	– – –
					216	215.58 — 5% SD VLTS (1 TO 12mm; AVE 4mm); MINOR LI STAINING ALONG FR; GL > SL; UP TO 221.30					215.58								
			2.90	100		216.31 — BR (12cm WIDE); 15% BF SD GL AND SL.									T9702	0.27	0.34	0.10	<0.01
					217	MED. THICKNESS INTERBEDDED UNDULOSE CRYPTOALGAL LAMINAE AND WORMY DOLOMICRITE	30°	45°											
– –	218.00	– – –	–	–	218										218.00	– – –	– – –	– – –	– – –
					219			50°											
			3.0	95		1 TO 2% FAIR GL+SL IN SQ VLTS									T9703	0.30	0.41	0.08	<0.01
					220		30°	65°											
– –	221.00	– – –	–	–	221			65°							221.00	– – –	– – –	– – –	– – –
						221.30 — 5-10% SQ VLTS (1 TO 13mm; AVE 7mm); MODERATE LI STAINING; GL > SP; MINOR PY; UP TO 2% GL+SL; MOD. SILICIFIED; UP TO 227.00m													
			3.0	100	222			70°							T9704	0.31	0.82	0.20	<0.01
					223			65°											
– –	224.00	– – –	–	–	224	UP TO 2% GL+SL MIN/2		75°							224.00	– – –	– – –	– – –	– – –
					225														
			3.0	100											T9705	0.33	0.41	0.15	<0.01
					226			75°											

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-14 — Page 16 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TAKE METRES	COMMENTS (MED. THICKNESS IB UNIT E AND UNIT C - SEE PAGE 15)	CORE ANGLE TO BEDDING	CORE ANGLE TO STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					226		30°	75°											
	227.00				227	227.00 — STRONGLY FR.; 10-15% QS IN FR AND VLTS; LI TO 40mm; 2mm); SL>GL>PY; LI STAINING ALONG FR; UP TO 230.15m					227.00				227.00				
					228		30°	45°	2	1	0	0	MINOR	0					
							50°?												
			3.90	95	229			45°							T9706	1.15	0.46	0.12	0.04
					230			60°											
					A	230.51 — BR QS VN (97cm WIDE); SL ≃ GL; MINOR CP BL; MOD. LI STAINING ALONG FR; HZ ON SURFACE OF CORE.					230.51								
	230.90				231	A	3 VN	3 VN		MINOR	0	0		1	230.90				
						A		40°											
						A — 231.54 — 10-15% SQ VLTS L 1 TO 10cm; AVE 2mm; STRONG SL>GL IN VLTS AND FR; WEAK LI STAINING; UP TO 235.17m.					231.54								
			2.10	100	232										T9707	4.32	1.75	0.36	0.02
						232.18 — BR (18cm WIDE); 90% BF SG SL (30%) AND GL; MINOR PY		60°											
									8 BF VLT FR	3 BF VLT FR	0	0	1 BF VLT FR	0					
	233.00				233			50°							233.00				
			2.20	100		A — 233.53 — BR (26cm WIDE); 60% BF SQ SL (20%) AND GL; MINOR PY									T9708	5.46	1.45	0.31	0.02
					234		25°	50°											

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-14 Page 17 of 17

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	RQD	COMMENTS (MED. THICKNESS IB UNIT E AND UNIT C – SEE PAGE 15)	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t	Co %
																		OPT.	
								40°	8 BF VLT FR	3 BF VLT FR	0	0	1 BF VLT FR	0					
					235	END OF MIN/Z		45°											
	235.20					235.17 — BR QS VN (55cm); COARSE QTZ CL IN A SQ BF MATRIX.					235.17				235.20				
						235.72 — STRONGLY BLE GABBRO (PALE YELLOW-ORANGE); 3% TALC VLTS (1 TO 4mm; AVE 2mm);														
			1.63	100	236										T9709	0.07	0.03	0.02	<0.01
								50°											
	236.83					236.83 — END OF HOLE									236.83				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-15 Page 1 of 20

ELEVATION 1759.76m | DRILL CONTRACTOR E. CARON | CORE SIZE NQ | TOTAL DEPTH (m) 261.2m

COORDINATES 19,973.27N; 10,299.11E | LOGGED BY D. BULAT & M.P. PHILLIPS

HOLE STARTED JULY 30/90 | COMPLETED AUG 3/90

SURVEY/DEPTH	COLLAR	181.05	261.21
DIP	-50°	-50°	-50°
AZIMUTH	035°		035°

ZONE 2,5,6,7&9 | SECTION 10,300E

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t OPT	Cu %
	3.96				6	45% RECOVERY UP TO 7 m								3.60				
			3.04	45		UNIT E: DOLOARENITE IB WITH L. GREY TO BUFF DOLOSILTITE; NORMALLY GRADED; SOFT SED. DEFORMATION STRUCTURES.	15°	40°						T9710	0.23	0.10	0.04	<0.01
	7.00				7			55°						7.00				
					8													
			3.0	75		8.36 — 20% QS VLTS (1 TO 25mm; AVE 10 mm); STRONG LI STAINING IN VLTS; ∠ SUBPARALLEL; UP TO 10.62.	15°	50°						T9711	0.95	0.14	0.05	<0.01
					9													
	10.00				10			50°						10.00				
						MALACHITE STAINING ALONG FR AT 10.60m												
					11	2% SD VLTS (1 TO 4mm; AVE 2mm); WEAK TO MOD LI STAINING ALONG VLTS; PY BL (UP TO 9mm) 1/10-20cm; UP TO 19.81	20°	50°										
			3.0	100										T9712	0.07	0.04	0.02	<0.01
					12		30°	50°										
	13.00				13									13.00				
							20°	60°										
					14													
			3.0	95			15°	55°						T9713	0.28	0.05	0.02	<0.01
							20°	45°										
					15	STRONG LI STAINING ALONG FR AND VLTS; FR INTENSITY IGR D/S												
	16.00				16		20°	45°						16.00				
					17		20°	50°										
			3.0	90										T9714	0.09	0.04	0.04	<0.01
							20°	45°										
					18	18.23-19.81 — CORE STRONGLY BROKEN UP; AT 19.01 BR WITH 25% BF SD, MOD. LI STAINED;	20°	60°										
	19.00				19	MOD TO STRONG LI STAINING ALONG ZONE OF BROKEN UP CORE.								19.00				
						△△ 19.21 — UNIT C: L. TO M. GREY UNDULOSE CRYPTOALGAL LAMINAE												
					20	19.81 — FR. INTENSITY MOD. TO HIGH; 5% SD VLTS ALONG FR AND CV; MOD. LI STAINING ALONG VLTS; UP TO 28.23m.												
			3.0	85				45°						T9715	0.23	0.08	0.03	<0.01
					21	20.87 — BR ZONE (7cm WIDE); 20% SD BF; STRONG LI STAINING												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-15 Page 2 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t OPT	Cu g/t
					21	UNIT C: L. TO M. GREY UNDULOSE CRYPTOALGAL LAMINAE												
	22.00				22									22.00				
								45°										
					23		45°	45°										
			3.0	90										T9716	0.10	0.08	0.02	<0.01
					24	24.08 — SD VLT (2cm WIDE); 10% GL IN VLT; STRONG LI STAINING		50°										
	25.00				25	24.92 — DOLOARENITE: MED. GRAINED; L. TO MED. GREY, 20cm STRONG LI STAINING ALONG FR AND VLTS.								25.00				
					26													
			3.0	75				55°						T9717	0.14	0.18	0.05	<0.01
					27													
	28.00				28	28.23 — CORE BROKEN UP; VERY STRONGLY FR.; SD VLT (2cm WIDE) WITH GL AT 28.64m; VERY STRONG LI STAINING; UP TO 29.07								28.00				
					29	29.07 — GOUGE/BR ZONE; STRONGLY SHEARED WITH SUBROUND TO ANGULAR CL; VERY STRONG LI STAINING; 15 TO 25% BF SD.		60°										
			4.6	75	30	29.62 — FAULT 29.66 — CORE BROKEN UP; VERY STRONGLY FR.; 5% SD VLTS (1 TO 8mm; AVE 2mm); MINOR GL ALONG VLTS; STRONG LI STAINING ALONG FR. AND VLTS; UP TO 33.26m.									T9718	1.15	0.69	0.27	<0.01
					31													
	32.00				32									32.00				
								60°										
					33													
			3.0	80		33.26 — MOD. TO STRONGLY FR.; CORE BROKEN UP OVER SMALL INTERVALS; 3% SD VLTS ALONG FR AND CV (1 TO 4mm; AVE 1mm); MOD. TO STRONG LI STAINING ALONG FR AND VLTS; MINOR GL ALONG VLTS UP TO 36.73m.		55°							T9719	0.32	0.33	0.10	<0.01
					34			50°										
	35.00				35									35.00				
						35.49												
			1.13	80	36	PY BL (UP TO 11mm) 1/5cm — UNIT C: UNDULOSE CRYPTOALGAL LAMINAE	10°	65°						T9720	5.54	1.30	1.09	0.02

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-15 Page 3 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS (UNIT C: UNDULOSE CRYPTO-ALGAL LAMINAE)	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t OPT	Au g/t
	36.73				37	36.73 — BR ZONE (76cm); COARSE ANGULAR ROTATED CL; 40% BF SD GL; LIMONITE STAINING STRONG (OXD. FLUIDS?); % OF SL HARD TO ESTIMATE; FIRST 30cm OF ZONE IS GOUGE F:CH		55°	1? BF	10 BF	0	0	1 BF	0	36.73				
						37.49 — 20% SHEETED GL SD VLTS (1 TO 30mm; AVE. 13mm); MOD TO STRONG LI STAINING; ∠ 70°; COARSE BR CL. OFTEN ALONG VLTS; CORE STRONGLY BLE DARK YELLOW-ORANGE TO PALE YELLOW-ORANGE; UP TO 40.74m.					37.49								
					38		25°	50°											
			4.27	95											T9721	635	1540	12.00	0.02
					39		30°	60°	2? VLT BF	15 VLT BF	0	0	1 VLT BF	0					
					40	39.93 — BC COARSE (15cm WIDE); 65% BF GL WITH LESSER SD; LI STAINING STRONG.	15°	50°											
	41.00				41	40.74 — BR/GOUGE ZONE (6.1cm); 50% CLASTS FINE TO COARSE; VERY STRONG LI STAINING DARK YELLOW-ORANGE; OXD. FLUIDS? STRONG GL MIN?		45°			40.74					41.00			
									1 BF	7 BF	0	0	1 BF	0					
						41.35 — FAULT?					41.35								
			1.70	70	42	BC ZONE (1.37m WIDE); 10% BF GL SD; STRONG BLE DARK YELLOW ORANGE; INTERVALS OF BROKEN UP CORE; STRONG LI STAINING; UP TO 42.72m.			0	5 BF	0	0	0	0	T9722	431	690	196	<0.01
	42.70					42.72 — BC ZONE (1.28m WIDE); 15% BF SD; MINOR GL; WEAK TO MOD. LI STAINING; UP TO 44.30m.					42.72					42.70				
			3.30	65	43														
					44	44.30 — 3-5% SD VLTS (1 TO 20mm; AVE 3mm); UP TO 47.41		45°							T9723	0.67	0.8	0.33	<0.01
					45														
	46.00				46		20°	40°							46.00				

A30209

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-15 — Page 4 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS (UNIT C: UNDULOSE CRYPTO-ALGAL LAMINAE)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					47												OPT	
						47.41 — 5-10% SD VLTS (1 TO 25mm; AVE 8mm) GL>SL>PY; WEAK TO MOD. LI STAINING ALONG VLTS; UP TO 54.18m.	20°	60°			47.41					
			3.00	100	48									T9724	0.57	1.79	0.48	<0.01
	49.00				49									49.00				
							5°	75°										
					50	49.62 — BR. ZONE (50cm WIDE); COARSE ANGULAR CL; 35% BF GL>SD>SL>PY												
									1 VLT BF	5 VLT BF	0	0	1 VLT BF	0				
			3.67	100	51									T9725	3.17	6.03	3.11	<0.01
							40°	50°										
					52	51.64 — GL SQ VN (12cm WIDE); GL > SD+QTZ; WEAK TO MOD. LI STAINING												
	52.67				53									52.67				
							0°	70°										
			2.33	100	54		10°	70°						T9726	0.50	0.86	0.42	<0.01
						54.18 — 5% SD VLTS (1 TO 12mm; AVE. 3mm); UP TO 2% GL+SL; WEAK LI STAINING ALONG VLTS; UP TO 58.37m					54.18								
	55.00				55									55.00				
					56													
			3.0	95			10°	75°						T9727	0.25	0.30	0.13	<0.01
					57													
						PY BL (UP TO 20mm) 1/10cm AVER 0.5m												
	58.00				58		25°	50°						58.00				
						58.37 — 15% SD VLTS (1 TO 10mm; AVE 8mm); MINOR GL; WEAK LI STAINING; UP TO 60.08m.												
			2.08	100	59	58.81 — INTRACLAST BED; 90% MED. DOLOARENITE MATRIX (50cm)	30°	10 (f_2) 50(f_1)						T9728	1.59	0.51	0.34	<0.01
						59.70 — WORMY DOLOMICRITE (38cm)	15°	45°										
	60.08				60	60.08 — BR ZONE (20cm); COARSE ANGULAR CL; BF SD≥GL; LI — L TOM. GREY DOLOARENITE												
						60.28 — 5 SD GL VLTS (5 TO 22mm; AVE 10mm); MINOR BR CL. IN VLTS; LI STAINED ALONG VLTS					60.08								
			2.92	95		60.65 — BR ZONE (7cm WIDE); VERY COARSE TO FINE ANGULAR CLASTS; BF SD≅GL>SL; MINOR QTZ; MOD. TO STRONGLY PALE DARK YELLOW-ORANGE; STRONG LI STAINING			2 BF VLT	20 BF VLT	0	0	0	0	T9729	10.40	12.80	10.30	<0.01
					61			65°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-15 | Page 5 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

L. TO M. GREY DOLOARENITE

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
						61.36 — 5 SMALL BR VLTS (3.5 TO 6.0cm; AVE 4cm); BF SD AND GL ALONG VLTS; 10% NON-BR VLTS (1 TO 8mm; AVE 6mm) WITH SD ≥ GL; STRONG LI ALONG BR AND VLTS; MOD. TO STRONGLY BLE. DARK YELLOW-ORANGE; UP TO 62.83		65°		61.36						OPT	
					62			75°	1 BF VLT	8 BF VLT	0	0	0	0					
								50°											
	63.00				63	62.83 — BR ZONE (26cm WIDE); COARSE BL CL ANGULAR; BF GL ≥ SD STRONG LI STAINING				62.83					63.00				
						63.09 — 15% SD GL VLTS (5 TO 22mm; AVE 10mm); MINOR BR CL ALONG VLTS; STRONG LI ALONG VLTS; WEAKLY BL; UP TO 64.78m.		65°											
					64			70°	1 BF VLT	10 BF VLT	0	0	0	0					
			3.0	95											T9730	3.94	1220	9.50	0.07
						64.78 — BR ZONE (22cm WIDE); COARSE ANGULAR CL; BF GL ≥ SD; STRONG LI STAINING														
					65	65.00 — 10% GL SD VLTS (2 TO 20mm; AVE 9mm); STRONG LI STAINING ALONG VLTS AND FR; ROCK MOD TO STRONGLY BLE; CORE STRONGLY BROKEN UP; UP TO 68.71m.		65°		65.00									
								70°											
						65.60 — BR ZONE (28cm WIDE); COARSE ANGULAR CL; 50-60% BF GL > SD; STRONG LI STAINING.														
	66.00				66	65.88 —									66.00				
						66.10 — BR AS ABOVE													
					?	?													
						LESS THAN 60% RECOVERY FROM 66m TO 68m													
					67 ?	? BR AS ABOVE			1 BF VLT	12 BF VLT	0	0	0	0					
					?	?													
			3.55	60											T9731	5.72	1680	19.30	0.02
					?	67.60?													
						UNIT C: UNDULOSE, CRYPTO ALGAL LAMINAE													
					68		20°	70°											
						68.71 — BR AS ABOVE (83cm WIDE)													
					69														

ASSESSMENT REPORT NO. 20296

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-15 | Page 6 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROOM FOR METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE METRES	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t	Cu %
	69.55				70	UNIT C: UNDULOSE CRYPTO-ALGAL LAMINAE 69.54 — 3-5% SD VLTS (1 TO 8mm; AVE 2mm); MINOR GL; PY BL (UP TO 10mm) 1/5-10cm; MOD. LI STAINING ALONG VLTS AND BL; UP TO 72.60m	15°	70°			69.54				69.55			DPT	
					71		10°											
			3.45	100		71.20 — OOLITE / INTRACLAST BED (40cm THICK)								T9732	0.67	1.80	1.16	<0.01
					72	72.60 — UNIT E: L. GREY DOLOARENITE WITH M. 3% BARREN SD VLTS (1 TO 5mm; AVE 2mm); 1-4% SV (10 TO 40mm WIDE; AVE 20mm) UP TO 78.05; 2% GL; MOD. LI ALONG VLTS; TO DARK GREY IL DOLOSILTITE; IC AND OO BEDS COMMON; SOFT SED. DEFORMATION STRUCTURES COMMON.	10°	70°										
	73.00				73		25	50						73.00				
					74		25°	75°										
			3.00	100		FAIR SX MIN/2								T9733	1.49	3.73	2.09	<0.01
					75		45°	50°										
	76.00				76									76.00				
					77		35°	70°										
			3.00	85										T9734	0.62	2.11	1.28	<0.01
					78	78.05 — 2% BARREN SD VLTS (1 TO 2mm; AVE 1mm); 5% SV (10 TO 30mm; AVE 20mm) 1/1.0-1.5m; LI ALONG SV; UP TO 89.67; MINOR SL	25°	45°										
	79.00				79		40°	65°						79.00				
			3.00	100	80		50°	50°										
						80.46 — XB AND SOFT SED. DEFORMATION STRUCTURES								T9735	0.64	2.34	1.92	<0.01
					81		25°	45°										
	82.00				82	81.73 — IB OO / DOAR BED (51cm WIDE).	30°							82.00				
					83		20°	55°										
			3.0	90		83.40 — RIPPLE LAMINATIONS (OVER 20cm)								T9736	0.34	1.01	1.04	<0.01
					84		30°	50°										
	85.00				85		20°							85.00				

A-002196

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY.** — HOLE No. 908-15 Page 7 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS — UNIT E: SEE PAGE 6	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					85													
					86													
			3.0	85			30°	30°						T9737	0.53	2.50	2.92	<0.01
					87		30°	55°										
	88.00				88									88.00				
							25°	55°										
			2.0	100	89									T9738	0.18	0.61	0.61	<0.01
							20°	65°										
	90.00				90	89.67 — <2% SD VLTS (0.5 TO 8mm; AVE 1mm); 13 SV (2 TO 32mm; AVE 12mm), SD ≃ GL > SL; WEAK LI ALONG SV; UP TO 2% GL+SL; UP TO 94.33	25°	60°						90.00				
					91		20°	50°										
			3.0	95										T9739	0.78	2.59	2.95	<0.01
					92		20°	45°										
	93.00				93	93.05 — 00/DOAR BED (29cm WIDE)								93.00				
							30°	45°										
					94													
			3.0	95		94.33 — 4% BARREN SD VLTS (1 TO 12mm; AVE. 2mm) WHITE IN COLOUR; 7 SV (2 TO 25mm; AVE 8mm); SD ≃ GL > SL; UP TO 103.38m.	20°	50°						T9740	1.29	2.72	2.56	<0.01
					95	94.73 — IB L. TO M. GREY DOLOARENITE / DOLOSILTITE AND L. GREY UNDULOSE CRYPTOALGAL LAMINAE; INTRACLAST BEDS COMMON; SOFT SED. DEFORM. COMMON.													
	96.00				96		30°	40°						96.00				
					97		30°	50°										
			3.0	100										T9741	0.31	1.12	0.74	<0.01
					98		25°	65°										
	99.00				99									99.00				
							25°	70°										
					100		35°	70°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-15 — Page 8 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS (IB UNIT & UNITS - SEE PAGE 7)	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t OPT	Cu %
					101													
							35°	60°										
			4.36	100	102									T9742	0.38	1.06	0.79	0.01
						MOD. SILICIFIED	30°	65°										
					103													
								75°										
	103.36					103.38 — BR ZONE (46cm); FINE TO COARSE SUBANGULAR TO SUBROUNDED CL; 50% BFSQ WITH SL ≅ GL > PY; MOD TO STRONGLY SILICIFIED.					103.38			103.36				
					104	103.84 — MOD TO STRONGLY FR; 5-10% QS VLTS (1 TO 3mm); MOD TO STRONGLY SILICIFIED; MINOR GL ≅ SL												
			1.49	90					4 BF VLT	4 BF VLT			2 BF VLT	T9743	7.11	12.20	12.60	0.03
						70-75% CORE RECOVERY FROM 104 TO 105m												
					?	104.60 — BR ZONE (20cm?); FINE TO COARSE SUBANGULAR TO SUBROUNDED CL; 50% BFSQ WITH SL ≅ GL > PY; MOD TO STRONGLY SILICIFIED.												
	104.85				105	104.87 — 3-5% SD VLTS (1 TO 11cm; AVE 2mm); MINOR GL, SL PY; UP TO 112.11m.					104.87			104.85				
						105.71 — COARSE INTRACLAST IN ARENITE MATRIX (17cm WIDE)												
			2.15	90	106	105.88	45°	60°						T9744	0.91	0.99	0.20	0.01
						UNIT E: L. GREY DOLOARENITE WITH L. TO M. GREY DOLOSILTITE IB; SOME D. GREY TO BLACK MUDSTONE LAMINATIONS; OFTEN IL COARSE DOLOARENITE/100 BEDS; NORMAL GRADED.	25°	50°										
	107.00				107									107.00				
							30°	50°										
					108													
			3.00	95										T9745	0.07	0.17	0.07	0.01
							15°	65°										
					109													
	110.00				110									110.00				
						110.20 — POLYMICTIC GRANULE CONGLOMERATE; CL. SUBANGULAR TO ROUND (UP TO 3mm DIAMETER); 22cm WIDE; 5% COARSE CLASTS UP TO 3cm.	50°	60°										
					111		25	65°										
			3.00	100		111.47 — 2 POLYMICTIC GRANULE CONGLOMERATE BEDS (24 AND 10cm); AS ABOVE.									T9746	0.44	0.59	0.47	0.01
					112		30°	50°										
						112.11 — 6 SV (6 TO 25mm; AVE 10mm); SD > GL > SL > PY; 2% SV UP TO 2mm; SL RICH; UP TO 114.83m.												
	113.00				113		40°	55°						113.00				
					114		30°	65°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 908-15 Page 9 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK MARK METRES	COMMENTS (UNIT E: SEE PAGE 8)	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
			3.0	100	114									T9747	0.20	0.69	0.31	<0.01
					115	114.83 — 3-5% SD VLTS (1 TO 6mm; AVE 2mm) ALONG FR AND CV; 1% PY VLTS AND BL; MINOR GL AND SL; UP TO 121.27m.	45°	60°										
	116.00				116			50°						116.00				
					117		45°	60°										
			3.0	100										T9748	0.21	0.27	0.12	<0.01
					118		30°	60°										
	119.00				119		15°	50°						119.00				
					120		40°	65°										
			3.0	100										T9749	0.43	0.66	0.29	<0.01
					121		15°	50°										
						121.27 —												
	122.00				122	<2% SD VLTS (1 TO 5mm; AVE 3mm); 2% PY VLTS (0.5 TO 2mm; AVE 1mm); BLE ALONG EDGES OF PY VLTS; UP TO 132.17m. DOLOARENITE: FINE TO MED GRAINED L. TO M. GREY ARENITE; MINOR M. GREY DOLOSILTITE IL; RIPPLE LAMINATIONS AND XB COMMON	15°	45°						122.00				
					123		10°	65°										
			3.0	100										T9750	0.03	0.05	0.04	<0.01
					124			55°										
	125.00				125			60°						125.00				
					126													
			3.0	95		126.37 — POKER CHIP SPACED CV AND BROKEN UP CORE (OVER 84cm); WEAK TO MOD. LI STAINING; CV @ 45°.	15°	45°						T9751	0.03	0.03	0.02	<0.01
					127		5°	60°										
	128.00				128		5°	55°						128.00				
					129													
			3.0	100			15°	70°						T9752	<0.01	0.03	0.02	<0.01

A30205

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 908-15 Page 10 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS — DOLOARENITE & SEE PAGE 9	CORE ANGLE: BEDDING	CORE ANGLE: STRUCTURE CLEAVAGE	SULPHIDES % / MODE: SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS: Zn %	Pb %	Ag OPT	Cu %
					130													
	131.00				131		10°	60°						131.00				
			3.0	100	132	132.17 — 3% PY VLTS (1 TO 8mm; 4mm); MOD TO STRONG LI STAINING ALONG PY VLTS; 3% SQ VLTS (1 TO 16mm; AVE 3mm) ALONG CV AND FR; MOD FR. INTENSITY; UP TO 138.15m.	15°	70°							T9753	<0.01	0.06	0.03	<0.01
					133													
	134.00				134		10°	50°						134.00				
			3.0	100	135		10°	55°						T9754	0.02	0.04	0.13	<0.01
					136													
	137.00				137			50°						137.00				
			3.0	95	138	138.15 — <2% SQ VLTS (1 TO 3mm; AVE 2mm); 2% PY VLTS (UP TO 2mm) AND BL (UP TO 11mm); LI STAINING ALONG PY BL AND VLTS; UP TO 140.51	20°	55°						T9755	<0.01	0.05	0.10	<0.01
					139		20°	60°										
	140.00				140		20°	35°						140.00				
			3.0	100	141	140.51 — BR ZONE (15cm); 65% BF SD ≃ SL > GL; MOD TO STRONG LI STAINING; COURSE ANGULAR CL.	5°							T9756	1.27	0.30	0.14	<0.01
					142	3-5% SD VLTS (1 TO 17mm; AVE 4mm); MINOR SL; GL IN VLTS; 1% PY ALONG CV CL TO 2mm) AND BL UP TO 12mm; UP TO 146.05m.	10°	45°										
	143.00				143		20°	45°						143.00				
			3.0	100	144									T9757	0.13	0.09	0.05	<0.01
					145		5°	40°										

A90 20567

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED | **BLENDE PROPERTY** | HOLE No. 90B-15 | Page 11 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					145		10°	45°									OPT	
	146.00				146	146.05 — INTRACLAST / 00 BED (1.02m WIDE)								146.00				
					147	147.07	15°											
			3.0	100		UNIT E & IB L. GREY DOLOARENITE, L. TO M. GREY DOLOSILTITE, AND D. GREY TO BLACK MUDSTONE; SOFT SED. DEFORMATION STRUCTURES COMMON.								T9758	0.31	0.13	0.11	<0.01
					148	<2% SD VLTS (1 TO 3mm; AVE 2mm); WEAK LI STAINING ALONG FR; UP TO 155.84.	10°	75°										
	149.00				149		15°							149.00				
					150													
			3.0	90			10°							T9759	0.03	0.02	0.01	<0.01
					151		20°											
	152.00				152									152.00				
							15°											
					153	152.82 — MOD FR ZONE (32 cm WIDE); 5% SD VLTS (1 TO 4mm; AVE 2mm) ALONG FR; MINOR TALC ALONG FR.		75°										
			3.0	95										T9760	0.03	0.01	0.02	0.01
					154		10°											
	155.00				155									155.00				
							10°											
					156	155.84 — MIKE STARTS LOGGING												

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-15 Page 12 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	CD %
	155.00				155									155.00			OPT	
						155.85 START LOG BOX 28												
					156	155.85 - 173.40 INTERBEDDED MED GRAY SHALY DOMES & LIGHTER COLORED - MEDIUM LIGHT GRAY DOSI - OFTEN FAIR SI. SS NEPTUNE DYKES COMMON; REDS TO 2CM (VERY THIN)	15°											
			3.0	100										T9761	<0.01	0.01	0.02	0.01
					157		20°											
	158.00				158	<0.5% SD FR & VT TO 2MM LOCALLY OVER < 25CM TO 3% SD VT.	15°	65°						158.00				
					159		15°	70°										
			3.0	95										T9762	0.02	0.02	0.03	0.01
					160	DIS ± 161 AS ABOVE - MED LIGHT GRAY DOMP / DOST DOMINENT -		70°										
	161.00				161	161.85 - 5CM. GRANDLE-GRIT FC.	15°	65°						161.00				
					162		20°	60°										
			3.0	95										T9763	0.04	0.03	0.04	0.01
					163	162.15 — STRONG FRV - FAIR SD - FAULT - 45°x 163.0 —		50°										
	164.00				164		30°	45°						164.00				
						1% LOCALLY TO 3% SD FR & VT TO 2MM												
					165		15°	60°										
			3.0	85										T9764	0.04	0.03	0.03	<0.01
					166		25°											
						DIS 166.15 - AS ABOVE - INTERLM BLACK - DARK GRAY SHALY DOMP & MED LIGHT GRAY DOSI DOMP; OCCT WK - FAIR SI. SS											
	167.00				167	167.25 - 10CM - STRONG SDVT - TO 2CM	20°	70°						167.00				
						WK SD (<1%) USUALLY AS CASH FR FILLING; MINOR CORE CUTTING VT < 2MM												
					168		15°											
			3.0	95										T9765	0.03	0.03	0.03	<0.01
					169		20°											
	170.00				170		20°	65°						170.00				

A9020967

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-15 Page 13 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR / DIP / AZIMUTH	ZONE / SECTION
HOLE STARTED	COMPLETED		

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					170	171.50 - 173.40 - SM? - V WEAK. BETTER TOWARDS LC												
					171		25°											
			3.0	90										T9766	0.01	0.06	0.03	<0.01
					172	172.0 —												
						3-5% SD CASH V WK FR FR & VT <2MM, WEAKEN TOWARDS LC.												
	173.00				173	173.40 - 178.0 UC - STRONG COLOR CHANGE FAIRLY UNIFORM MED LIGHT GRAY, IL - WEAK; DOSI/MP., LC TRN.	35°							T9767	0.03	0.06	0.02	<0.01
					174		25°	55°										
			3.0	95		174.55 —												
					175		20°	70°										
	176.00				176	WK (<1%) SD FR & VT <2MM.								T9768				
					177													
			3.0	60										T9768	0.03	0.03	0.03	<0.01
					178	178.0 - 181.40 - MED GRAY TO MED LIGHT GRAY DO SI/MP. DELICATE LM WK UNDOSE - PLANAR SM; LC TRN.	30°											
	179.00				179		05°	70°						T9769				
					180		05°	55°										
			3.0	85										T9769	0.02	0.04	0.03	<0.01
					181		20°	60°										
	182.00				182	181.40 - 188.65 MED LIGHT GRAY ICR MED GRAY - LT DOSI W DOMP DIS 183 ICR LM OF BLACK MUDS; DOST COARSE GRIT; DIS 185.20 BLACK MUDS & LM MED LIGHT GRAY DOSI (COARSE)	25°	60°							T9770				
					183	UNIT 'A' - NEAR LC ICR DOSI LM - V THIN BD.	20°	60°										
			3.0	85										T9770	0.02	0.05	0.05	0.01
					184		20°	60°										
						~ 184.50 - WK FAULT - 70°												
	185.00				185	FAIR FR - RARE ROUNDED PLANES	20°							T9770				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-15 Page 14 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					185	AS PREVIOUS												
					186		30°											
			3.0	100										T9771	0.05	0.09	0.05	0.01
					187	186.60-MOD FAULT-25° & SLK & GOUGE FAULT ZONE - POLISHED WK GOUGE PD PLANES	20°	55°										
						187.0 — WK FR												
—	188.00	—	—	—	188	187.50 - 10CM HIGHLY BROKEN - FAULT-WEAK-MOD. 184.50 - 187.50 - WK (1%) SD FR VT < 2MM	20°	10° S F2 60° S F1						T9772	188.00				
					189	WK (1%) SD FR VT	0°	60°										
			3.0	90		188.65 - 191.65 MED LIGHT GRAY SM DOST. WK LM - LOOKS CONICAL-COLUMNAR, OVERALL WK LM.	~SM 0°							T9772	0.10	0.17	0.01	0.01
					190	190.40 —												
—	191.00	—	—	—	191	MOD FR; OCC SLK ON FR & VWK GOUGE								191.00				
							TR 20°											
					192	191.55 - 45° WEAK FAULT WK FR	20°											
			3.0	95										T9773	0.07	0.11	0.07	0.01
					193	192.55 — STRONG FR AT UC & D/P D/S; FR - ~ 25° X												
—	194.00	—	—	—	194	192.55 —	D/S 194.0 - PARTINGS MUDS - CAPROCK? AT LC - 6CM BAND OF CAPROCK	~SM 0°						194.00				
						- 194.30 - D/S. ICR SD VT	UNIT A -											
			2.0	100	195	1-3% SD, BLEBS, FR & WK VT @ TRACES - MINOR SLKY CL	194.65 - 196.20 - MED LIGHT GRAY DOAP/FINE, OCC VTHIN BDS. COARSE - GRIT ; BASE SM UNIT							T9774	0.29	0.16	0.09	0.01
—	196.00	—	—	—	196	196.10 — CRACK FILLING & SD ASSOC SLKY CL 196.46 —	196.20 - 196.68 - MED LIGHT GRAY DOAP @ 1-15MM LM - VTHIN BD	65°						196.00				
					197	V WK (20 E%) SD FR & < 3MM VT FAR SL @ SD NEAR UC ELSEWHERE TRACE	- SI MUDS (CAPROCK); MUDS ICR TO LC - POSSIBLY WK SM.	40°	25° F2?									
			3.0	95										T9775	1.07	0.34	0.18	0.01
					198		196.68 - 197.68 MED LIGHT GRAY DOAP (FINE-MED) WK FAINT SM.; MINOR LM DOMR.	~SM 0°										
—	199.00	—	—	—	199	198.60 — D/S ICR SD & SL HW 5 ZONE ~1% SD BLEBS & WK IRREG F1 VT < 3MM USUALLY WITH STRONG SL; BEST SL NEAR UC WHERE F1 & F2 JCT; OFTEN SL - PATCHY FR FILLING	197.68 - 200.86 MED LIGHT GRAY COLORED, LM DOST / MINOR DOMR @ UP TO 5CM BD OF DARK COLORED COARSE DOAP. OCC PRESENT; BD - FLASER & BD STRONG NEPTUNE DYKES. UNIT 'E' - FW SM UNIT	20° 55°?	60° S 20° S F2 55° S F1 50° S.					198.40				199.00				
			2.75	95	200									T9776	0.95	0.27	0.13	0.01

A90205 67

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80B-15 Page 15 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					200	200.10 — — — 200.86 - 201.15 - STRONG FRY & MIDDLING 2CM GOUGY ROCK; BD FAULT IN INTERCLAST			200.10										
						1-2% SD FR2 IRREG. VT TRACE SL	40°		TR	0	0	0	0						
						201.15 - 202.10 - SIMILAR TO D/S 197.68 - DOST/DOMR IL; D/S	20°	40°											
					201	201.15 — — — 201.75 - PATCHES OO; <1CM B/D. CAPROCK - SI MUDS & SMALL PANDS HEAVY CL;			201.15										
						VARIABLE SD - BLEBS, CASH & IRREGVT SL - BANDSSD & OFTEN CRACKFILLING			2 <F	<03	0	0	<F						
		201.75				SLTRGL 201.75 — — — — — —			201.75										
					202	3-5% WHITE SD BLEBS CASHES & IRREG VT; SL - CRACK FILLING TO IRREG SW TO BR MATRIX - LOOKS - CRACKLE FR. FOLLOWED BY MIN/2 SLY PY >CL - PY - CP, <SL - GL WEAKEN TOWARDS LC; OVERALL FAIR - MOD SV	202.10 - 203.75 WK GRADING TO STRONG UNDULOSE CL D/S. DOAR (FINE - V FINE) D/S 203 BECOMES WK - FAIR SV - LC VAGUE	35°?	50°										
			1.45	100				40° N F2 70° S F1	3 F <+	1 F <+	0	0	2 <F+	T9777	4.39	3.42	1.00	0.03
					203														
		203.20				203.20 — —			203.20					203.20					
						~2-3% IRREG BLEB & VT SD WK SL (<0.3%)	~SM 0	45° F1											
					204	204.0 — —													
						<1% SD <2 MM FR & VT TR - MINOR SL													
			2.80	85		204.70 — MOD FR - OCC POLISHED FR - WK FAULT													
					205	205.0 — —													
						<3% IRREG BLEB CASH & VT SD; WK OCC FAIR SL, PY (HT) ICR NEAR LC;													
						205.63 — — —													
		206.00			206	1-2% SD WK DEV 1-3 MM SD VT TRACES SL.								206.00					
					207														

205.62 - 215.80 MED LIGHT GRAY, WK-MT DOST/MR - WK SM? - ST - VARIABLE GRAIN OFTEN V.F BOAR. - THIS IS SM;

203.75 - 205.62 BRECCIA - CLASTS SM TO 1CM IN DOAR/SI MATRIX & RARE <3CM OO DOAR BD - THIS IS INTERCLAST; LC TRN;

A90202611

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-15 — Page 16 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
						207.80-5CM SAND - WK FAULT?												
			2.80	70	208	5-7% BLEB & IRREG VT SD. DCP TO LC; MINOR SL & PY.								T9779	1.64	0.19	0.12	<0.01
						208.40		60°	208.40									
						1-10% BLEB & <8MM IRREG VT SD. FAIR CRACK, FR & SDVT SL; FRV			2	<SD F	<0.3	<SD E	0	0	<0.5	<SD F				
						STRONG UEAR LC, IN PLACES BC												
—	208.89	—	—	—	209	208.89 — — TRN		45°	208.89					208.89				
						$ BR (60%) AT UC & D/S 290.10 INTO COARSE BP IN 10-15%												
						BLEB <1CM SD; SL BEST IN $ BP & WEAKER IN COARSE BP			5	+	<0.5	+	0	0	1	+		
						SL > PY > GL; ICR GL AT LC.												
			1.65	85	210									T9780	9.55	2.27	0.96	0.05
						210.10 - TRN - ICR CL D/S			210.10									
						COARSE BP - CLASTS TO 4CM; HEAVY BLEB (<3CM)												
—	210.54	—	—	—		7 (5%) TO 1CM SD; MOD GL > SL > PY, ICR. BF SX TOWARDS LC.			3	+	5	+			2	+		
						210.62 — — TRN - ICR SX D/S			210.62					210.54				
						FINE BP - CLASTS AV <1CM; <1CM												
					211	BLEB SD, FINE CLASTS & SX BF			10	+	15	+			2	+		
						GL = SL > PY												
						211.35 — — TRN TO COARSE BP												
						COARSE BP - CLASTS 4CM-8CM W #20 - 8CM-6CM P MODS OF			211.35									
						FINE BP W <1CM BLEB SD, <1CM ALT			5	+	5	+	0	0	3	+		
						CLASTS & HEAVY SV. GL = SL > PY												
						BP WEAKENS NEAR LC; PY												
					212	ICR NEAR LC												
						212.05 — — — — — —			212.05									
			4.06	50		$ FINE BP - 10-20% TO 2CM AV												
						0.5-1CM; SEMI-MX SX; TRN TO COARSE BP AT LC; GL = SL > PY			20	+	20	+	0	0	5	+	T9781	7.48	9.20	2.58	0.08
						PY ICR NEAR LC												
						212.85 — —			212.85									
					213													
						$ (45°) FINE-COARSE BP; HEAVY BF SX; WEAK BLEB SD												
						GL = SL AT TOP & D/S TO MX PY (MT) BTM 0.9M;			5	+	5	+	0	0	40	+		
						214.60 - 215.80 - DARK GRAY, WELL LM, DOMP + SM												
					214													
						215.80 - 220.65 MED LIGHT GRAY DOMP SL SM; OCC WEAK MT (VOLCANIC) SEEN.													
						214.60 — —			214.60					214.60				
—	214.60	—	—	—		FR; 10-15% BLEB & VT SD <1CM												
				#		WK PICS & CRACK FILLING SL AT 215 ∠ - 10CM. MX PY VN W SD			<0.5	F	<0.3	F	0	0	7	V		
					215													

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-15 Page 17 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					215													
			2.40	75	216	215.80 — FINE BR., WK (25%) BLEB SD; SL ZONE & GRADES FROM DT TO F TO SW TO BF; SL - TRACE GL & PY			215.80 — 7 + D F; <0.1 GL; + D F; <0.1 PY + D F					T9782	3.42	0.58	0.28	0.01
						216.65 — WK SH-FRV; WK FR/DT SL BR NEAR LC			216.65 — <0.5 F	0	0	0	TR					
	217.00				217	217.0 — PYRITE ZONE - 5d/40° x BR 5-7% BLEB & VT SD; PY BF TRACE GL-SL			217.0 — TR	TR	0	0	7 +	217.00				
					218													
			2.30	90		218.10 IBN COARSE BR - CLASTS 2-8CM; SEPARATED BY 1-8CM BANDS OF BF W MX PY; BR - JCT F1 & F2; D/S 218, CLASTS DCR & TCP IN MX/DY BF; BCB SD BLEBS - 10-15% & SX FOLLOW. 60° x F1; BP - 5d			218.10 — TR	TR	0	0	25 +	T9783	0.12	0.19	0.54	0.03
					219													
	219.30					219.30 — FW CNT S ZONE VC - 15CM HEAVY BLEB VT SD W FAIR PY; D/S 2-3% IRREG SD VT & MINOR PY			219.30 —					219.30				
						219.85 — D/S ICR 6D			219.85 —									
					220	10-15% SD ≠ BLEBS, BF & SD VT (<3CM) & DCR D/S; WK 3-8CM BP MINOR (<0.5%) SL ASSOC SD	220.40 - 220.65 - OD DOAR		<0.5 <SD	0	0	0	1 <SD					
			2.90	100		220.55 — BR - SL ± PY, BF	220.65 - 228.05 MED GRAY AND MED. LIGHT GRAY. DOMR CL (100 RYM) - RIBBON BED & BLEB FINE 1-3MM MT STRUCTURE; CL SEPARATED BY TO 15 MM BEDS OF SM IN DOMR MT WEAKENS TOWARDS LC	220.55 — 10 +	0	0	0	5 +	T9784	0.07	0.10	0.11	<0.01
						220.70 — 45° x STRONG FRV; ~5% SD BLEB & IRREG VT			220.70 — 0.5 <SD	0	0	0	0.5 <SD					
					221	221.15 — BR AT LC; MINOR SL ± PY			221.15 —									
						BR - COARSE W SECTIONS AT TOP FINE <3MM CLASTS IN BLACK MATRIX } MAIN BREAK - S ZONE			TR	0	0	0	1 <					
						221.55			221.55									
					222	<0.5% SD FR, 1-2MM SD VT	10°	55° S										
	222.00													222.20				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-15 Page 18 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TIME METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag	Cu %
	222.20				222	SEE PREV. PAGE								222.20			OPT	
					223		SM 0°	40° FZ N 45°S F1										
					224	224.0 — D/S ICP SD.	~SM 05°	35° N FZ 75°S F1										
			3.80	85		2% ICP TO 7% AT LC - SDVT 1-5MM								T9785	0.13	0.03	0.01	<0.01
					225	AV 2-3MM Ū MINOR PY NOTE FAIR F2 LOOK	0°	50°										
	226.00				226	225.82 - 10CM VN - SQ - MINOR PY. - 60°	~ 0°	25° N F2 55°S F1						226.00				
						3-5% SD FR - VT - TO 8MM AV 2-3MM 1 DCR TO LC: QZ VT - OCC - PRESENT UP TO 15MM CUT & DISPLACED BY YEL SD VT: MINOR PY; TR CL - SL													
					227	227.90 - 228.05 - 00 DOAR - 2-3CM (TROE) BD - STRONG SI	~ 0°	60°										
			3.0	90		F1 DOMINENT;								T9786	0.09	0.09	0.04	<0.01
					228	227.65	~ 0-5°	60°										
						<0.5% SD FR												
	229.00				229	228.05 - 235.15 UC SHARP COLOR CHANGE: MED LIGHT GRAY DOSI - FAIR SI; WK - FAINT LM; OCC <1CM BD - WK/SM; WK SK 0.5MM DK QZ FR - VT; IN PLACES UWK. BULBOUS (V FINE) SM ALONG BD; LC - FRV IN PLACES WORKS V FINE DOAR	~ 10°	55°						229.00				
					230		~ 0°	70°										
			3.0	95										T9787	0.09	0.03	0.01	<0.01
					231		0°	60°										
	232.00				232	231.74 —	~ 0°	25° N F2 75°S F1						232.00				
						3 1.75 m SV - 8-25MM - STRONG SLASSOC Ū SQ VT: OFTEN SHOW. QZ CORE & SD PIN; QZ OCC WK CL: <0.5% <1MM SD VT													
					233		~ 05°	10° S F2 70°S F1										
			3.0	100		233.47 — — —								T9788	0.83	0.33	0.13	<0.01
					234	2% SD FR, NEAR LC WK SL ASSOC Ū SD FR	~SM 0-05	65°										
						234.70 — — — F2 - 30° V < F1 - 60°			234.70									
	235.00				235	## COARSE BR; HEAVY SD; FAIR SL > CL > PY	0°	30° N F2 55°S F1	3+	2+			1+	235.00				
						235.0 — 2% DCR TO 20.5% TOWARDS LC SD FR & CASH VT: RARE F2 QZ VT < 5MM AT 236.70 - F1 SV - 8MM CL > SL > PY			235.0									
					236	235.70 - 242.0 MED LIGHT GRAY DOSI (COARSE - V FINE DOAR) WK LM WITH TO 3CM IC - DARK - PLATY PIP UP BEDS TO 236.25; D/K 236.25 DOMR. PROMINENT OVER DOSI DOAR - INTER CL 0.5M BD UNIT;	~ 0°	70°										
			3.0	90										T9789	0.08	0.30	0.13	<0.01
					237		0°	30° F2										

A302096

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-15 — Page 19 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					237	242.55 - 241.5 - PATCHES WK CL - 237.70 - -												
- -	238.00	- -	- -	- -	238	4/20CM - 2-8MM SV-SDVT+SX MRST F2 (35°X) & GL>SL>PY	0°	30°S F2 60°S F1						238.00	- -	- -	- -	- -
			242.50		239	237.90 - - - - - - <0.5% SD FP. ~1% F1 & F2 TO 10MM QZVT.	0°	65° 20°F2						T9790	0.05	0.06	0.02	<0.01
					240	239.51 - - - 3-5% SD SQ 1QZVT TO 4MM WK-FAIR GL, TR SL	0°	20°F2 65F1										
- -	240.42	- -	- -	- -		240.44 - - - - -

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 808-15 Page 20 of 20

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	BOOK TAKE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					252	SEE PREV.												
					253	252.67 — WK QS VT < 3MM - FAIR SL 253.32 — 3 - 2MM - 25MM PY VM	0°	75°	252.67				< 0.3					
			2.54	100		253.54 — NIL SDVT								T9795	0.93	2.61	11.2	< 0.01
					254	253.72 — NIL SDVT 253.98 — ~~SS~~ CONTACT BR - 15°/30, FAIR CL-CL	∩ SM 0-35°	20° NF2 70° NF1	1	< 0.3	+ <		2 + <				
	254.54					1-2% SD BLEBS & VTS < 5MM WITH VARIABLE WT SL/CL	254.20 - 255.24 - MED GRAY. DOMAL. SM DOAP/FINE/UP TO 20CM WITH INTERDOMAL. DOMP. - LIGHT MED GRAY COLOR	∩ SM 0-90°						254.54				
					255	255.24 < 2 - 4½CM PY BP			255.24									
			2.46	100	256	AT UC 5-10% SDVT ≥ D/S TO < 0.5%/SD; MINOR CL 256.27 4CM. MX GL ≥ 25% BLEB SD.	255.24 - 255.60 - MED GRAY - PART DYD. DOAP (FINE)	30°							T9796	1.32	2.82	1.13	< 0.01
	257.00				257	4% SD VT < 2-3 MM. OCC. BLEB PY (MT)	255.60 - 261.21 LIGHT OLIVE GRAY DOMP - MX TO V WK LM; OCC. < 2CM. PODS - LENSES OF FINE DOAR - SS UNIT E	10°						257.00				
					258	258.24	D/S. 259.2 - FLECKS SP - MT? ALONG BD											
			4.21	90	259	4-8% SDVT TO 8MM AT TOP ± DCR D/S		10°	55°						T9797	0.14	0.08	0.03	< 0.01
					260				60°									
	261.21				261	261.21 END OF HOLE			65°					261.21				

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ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-16 Page 1 of 19

ELEVATION 1734.54m | DRILL CONTRACTOR E. CARON | CORE SIZE NQ | TOTAL DEPTH (m) 281.94

COORDINATES 19,934.18N; 10347.94E | LOGGED BY M.P. PHILLIPS

SURVEY/DEPTH	COLLAR	823	281.9		ZONE 2,5,6,7&9
DIP	-52°	-54°	-52°		
AZIMUTH	035°	036°	037°		SECTION 10,350E

HOLE STARTED AUG 3/90 | COMPLETED AUG 7/90

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/mt	CD %
					0	0 - 3.05 - CASING - NO CORE RECOVERY												OPT	
	3.05				3	3.05									3.05				
						3.05 - 4.80 - MED GRAY & WK PALE GREEN STRIPED, DOST/MR -WK SM. WEAK BLEB & RIBBON MT. UNIT 'B'	0°	55°										
			4.10	80	4	<1% SD FR; WK OXD ALONG FR													
					5	4.80 - 16.00 MED LIGHT GRAY, DELICATE LM. DOMP/SI. WEAK BLEB & RIBBON SP-MT (WORMY) - PART OF SM UNIT? - UNIT B OR LOOKS MORE LIKE 'E'	15°								T9798	0.43	0.28	0.10	<0.01
					6	- D/S 3.05 - OXD ALONG FRS/D.SD	0°													
						6.15 - VT; CALL THIS ALL SM - LOOKS LIKE DEFINITE SM @ WK -			-6.15										
	7.15				7	4/2M SV - 2 - 10MM - OXD STRONG GL; F1 F2 VWK SD - BABBEN VT - MOST CB = SP	05°	15° F2 60° F1	?	05	< SV		0	?	7.15				
						INTER SM BANDS DOMP - NOTE WK MT - BLEB & RIBBON - BDINC LC - CHANGE ROCK COLOR													
			2.85	100	8	5.15 - CB = SP	0°	70°	-8.15						T9799	1.01	1.56	0.45	<0.01
						20.5% SE VT - MOST CB - SP													
					9	9.48 -	10°		0	0	0	0	0						
									-9.48										
	10.00				10		0°	15° & F2 60° SF1							10.00				
						12/4M SV & OXD SV - 5-15MM AV 5-10MM.													
						10.60 - 11.35 - WEAK SM - MED GRAY.													
					11	SV & OXD SV CONC IN 5-20CM BANDS	0°	60°											
			3.0	90		12.30 - 13.83 - WK SM, PATCHES DOAR/REVL OO\ - TRACES - SMALL LENSES OO-SI;			TR	1	< SV	0	0	1? C.	T9800	0.63	1.26	0.32	<0.01
					12			50°											
						12.30 - - -			-12.30										
	13.00				13	V WK (<0.2%) SD VT MOST CB SP - MT	45°								13.00				
						13.83 - 14.36 - MED GRAY DOAR - LOOKS REVL OO RED													
						13.75 - D/S 8CM = 2 <4MM SV-LI VT													
					14	V WK SD FR.	30°												
			3.0	90											T9801	0.93	2.03	0.82	<0.01
					15	15.10 - -	15°	60°											
						STRONG LI SX-SD VT - 1-25 MM; STRONG OXD GL - TRACES PY, F1 F2 VT;			-15.10										
						16.00 - 27.55 MED GRAY DOAR (FINE) @ WK OCC BANDS FAIR FINE BLEB & RIBBON MT. V WK LM. D/S 9.15 FINER													
	16.00				16	<16.00 - -		25° F2 50° F1	0	3	< SV	0	0	TR	1? C.					
						V WK SD VT. OCC 3-15MM QS & QZ VT			<16.00										
						GRAINED DOAR (V FINE) - DOST WK SE & MT WEAKER													
					17	MINOR <1-2MM OXD SX VT	25°												
			3.0	85		LC - TRN; LC - STRONG COLOR CHANGE;									T9802	0.46	0.63	0.22	<0.01

A3021355

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-16 Page 2 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊕ STRUCTURE METRES	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t OPT	Cu %
					17	SEE PREV PAGE												
								10° F2										
					18													
	19.00						20°	20° S F2 55° S F1						19.00				
					19	19.15 - UC - 8CM OXD = X; D/S 15-20% TO 10MM F1, F2 SOLIQSVT													
						19.45 -												
					20	1% LOCALLY OVER 0.5M TO 5% SD 2 QS VT - AV 2-4MM		60°											
			3.0	90		MINOR SX - CL 2 SL; VT LOW X F2 > F1 (~60° X)								T9803	0.69	0.17	0.06	0.01
					21	SOME CB MAY BE SP(MT)? NOT SD.												
	22.00				22			35° S F2 60° S F1						22.00				
					23			40° F2?										
			3.0	95										T9804	0.30	0.17	0.17	0.01
					24	24.0 - 10CM ST BOUC 6DF1VT (60°) W CL AT JCT F2/F1 - STRONG SI - Q?		45° N F2 50° S. F1										
	25.00				25	1-2% SDVT < 2MM; RARE FAIR LT-CL; F2 > F1		60°						25.00				
					26	26.0 - 26.95 - PALE GREEN LM DOMR W UP TO 2CM U THIN BEDS OF MED GRAY CL	25°	0° F2 60° S F1										
			3.0	90		26.50 - D/S 15CM - OXD - TO 3-5-15 MM OXD SX - LC SDVT;								T9805	0.37	1.15	0.32	0.01
					27	26.95 - 30.10 LIGHT OLIVE GRAY (IN PART OXD) SILT - NIL DD NEAR LC - U FINE XB LM; LC - TRN	25°											
	28.00				28	<1% SDVT < 2MM - MOSTLY LOW X F2		10° F2						28.00				
					29	D/S ~29 - CORE BROKEN X TCR OXD.		0230° F2										
			3.0	90		30.10 - 31.15 - MED GRAY DOSI/MR - WK RIBBON MT (WOBMY)								T9806	0.23	0.15	0.07	0.01
					30	30.20 - D/S ICR OXD		60°										
	31.00					31.15 - 33.30 - MED GRAY DOAR (FINE) W FAR - MOD BLEB & RIBBON MT (WOBMY); AT UC - IC - SM? 0.4m; SEE NEXT SECTION - THIS COULD BE SM UNIT								31.00				
					31	WK (<1%) SD VT < 2MM MOST OXD; MOST CB APPEARS TO BE MT SP.												
					32			45°? F1										
			3.0	90										T9807	2.37	2.90	1.16	0.01

A9021355 A9020126

CERT NO. A9020726

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-16 Page 3 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ◯ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppb	Cu %
					32	32.19 HIGHLY FR; FR OXD. 32.62 - BR - SCT F1 ± F2; OXD = X 32.80 - STRONG GL ± LI; WK ≤ 4CM BP, SD VT ≤ 10MM IRREG BR VT - FAIR - STRONG LI ± GL	33.30 - 35.30 LIGHT MED GRAY IL DOMR ⟩ DOSI; STRONG U FINE LM; UNIT F - FW SM-CL UNIT NEAR LC - FINE XB DOSI LM;		55°	-32.19								OPT	
					33				0	3	+	0	0	0	?	C					
	34.00				34	33.80 - - BR - CLASTS 1-4CM; 30% OXD BF 34.17 - LI = X ± GL - MOD; SCT F1 ± F2		20° F2 S 60° F1 S	-34.17								34.00				
					35	V WK (20.5°/) SDVT; MINOR 1MM GL VT		75°	0	< 0.1	<	0	0	0	?	C					
			3.0	95		35.54 - - FCRS D1SX D/S	35.30 - 40.40 SIMILAR TO ABOVE ONLY STRONG DK BD'S XC < 0.5MM										T9808	1.39	2.84	0.93	< 0.01
					36	EV 1/≈4CM; SVF1 ⟩ F2 1-10MM LI ± GL; AT 36.15 - 5CM HEAVY LI ± MINOR GL - BR'; NOTE F1 ⟩⟩ F2	DK. QZ-SI SW; OCC PATCHES - WK MT (CL'); ROCK MED LIGHT GRAY DOSI < DOMP; 38.80 - LC = PATCHES IC ± SI OO DOAR -		65°	-35.59									
									0	3	< +	0	0	0	1?	C					
	37.00				37	36.70 - - - GENERALLY WK CLASTS; LC - COLOR CHANGE 37.00 - - -		60°	-36.70								37.00				
					38	DC - AOCD - 5Y 4/1 5CM - VARY 5-15MM D/S 2-5% SD VT < 3MM @ WK-FAIR GL 39.08 - - BR - HIGHLY OXD 5-10% GL 38.28 - STRONG LI;			50°	0	1	< +	0	0	0	1?	C					
			3.0	90		3-5% SD VT TO 10MM - IRREG AT TOP & BTM 6CM ± 15CM BANDS W SD + GL AT JCT F1 ± F2											T9809	1.73	2.42	0.71	< 0.01
					39		40.40 - 43.20 - MED GRAY DOSI / MF; STRONG SW DK SI < 0.5MM		45°											
	40.00				40	39.55 - - - 2% ICP TO 10° AT LC - SD IRREG VT, CASHES & BLEBS	IN PLACES WK BLEB ± RIBBON MT SMALL LENSES - SI - CL?? - SEE UNIT BELOW. - TYPICAL FW SM-CL		25° F2	-39.55								40.00				
									0	0		0	0	0	0						
					41	40.80 - - -			10° F2 50° F1	-40.80											
			3.0	90		SD FLOODED - F1 ± F2 - VT ± VH TO 4CM; UP TO 10MM GL BLEBS ± VT; GL ICP D/S; FAIR OXD				0	3	< 0	0	0	0	?		T9810	1.39	3.00	0.9	< 0.01
					42	42.10 - - LC - MIN ± ZONE?	42.10 - BASE OXD?			-42.10											
	43.00				43	5-10% QZ QS < SD VT 3MM - 15MM AT TOP OCC FAIR GENERALLY WK. GL; FAIR F2 < F1 43.45 - - - -	43.20 - 46.00 MED LIGHT GRAY PLANAR LM - U THIN BD SILT D/S 44.3 IL KHAKI COLORED DOMR / MUDS ± SHOWS; XLM BD ± FLASER LM; UNIT 'E'		20° F2								43.00				
					44	1-2% SD FR - < 1MM VT AV 2-3MM OCC MINOR GL		15°	55°												
			3.0	90													T9811	0.09	0.85	0.19	< 0.01
					45		46.00 - 47.15 - MED GRAY DOSI / DOMR; SW DK V FINE SI VT; WK RIBBON MT - SL	0°	25° NF2 60° F1 S												
	46.00				46	46.00 - - - 2-4% SD VT (IRREC) ± BLEB TO 10MM; OCC FAIR GL	47.15 - 68.90 IL KHAKI MUDS / DOMP ± MED GRAY SILT - DOSI; LM - PLANAR OCC SS. UNIT 'E'	25°	25°								46.00				
					47			30°													
			3.0	80													T9812	0.22	0.56	0.13	< 0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-16 Page 4 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	
		AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ● BEDDING	CORE ANGLE ⊘ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/ton QPT	Cu %
					47	47.15 — $$ BR - STRONG BLON BF LI												
						47.40 — — FAULT ZONE - 60°x												
					48	STRONG FRV EW FAULT ZONE < 0.5-1% SD VT ≤ 4MM AV 1-2MM WITH OCC. MINOR CL	50°	60°										
— —	49.00	—	—	—	49	D/S 49.8 - AS ABOVE - SILT BECOMES MED GRAY & DOSI (FAIR SI) & MODS - BLACK TO KHAKI, OVERALL DK TO LIGHT COLORED TI DOSI	30°							49.00	—	—	—	—
			3.0	100	50	— — 50.3 DOMR-MODS, GENERALLY PLANAR TO WAVY; W/ NEPTUNE DYKES RARE LM - 1CM LENSES OO DOMP WK SS OCC RIP UP LM	35°	60°						T9813	0.08	0.18	0.06	<0.01
					51	V WK (20.3°/a) CRACK-SD W LI (& PY) PY HALO ZONE	25°	60°										
— —	52.00	—	—	—	52	V WK FRV		55°						52.00	—	—	—	—
			3.0	90	53		60°?							T9814	0.08	0.08	0.03	<0.01
					54		65°											
— —	55.00	—	—	—	55	55.0 - 58.30 - AS ABOVE, UNIT 3 IL & IB - MED GRAY DOMP (DOSI) & LIGHT COLORED DOMP & COARSE-GRANULE DARK COLORED OO DOMP - "UNITE"	35°							55.00	—	—	—	—
			3.0	90	56	58.30 — 68.30 AS ABOVE UNIT 3 - LIGHT COLORED IL & IB	40°	60°						T9815	0.06	0.04	0.01	<0.01
					57	— — 56.75 D/S SLIGHT FCR SD 2-3% SD VT AV 1-2MM-ALL OXD - DK BROWN, F1 ? = F2 DOSI / DOMR - MODS. - OCC SE XL - S/MALL TROUGH	30°	60°										
— —	58.00	—	—	—	58		40°	30° F2?						58.00	—	—	—	—
			3.0	100	59	— — 59.00 — — — UC 20CM ER & LC 30CM BR - FAIR OXD SD FAULT ZONE?	35°	20° F2 N 60° F1 S						T9816	0.22	0.11	0.04	<0.01
					60	59.72 — — — 2-4% SD VT AT TOP & DCR TO < 0.5% D/S	20°	45°										
— —	61.00	—	—	—	61	WK MN ON OXD FRV D/S 61.0 - STRONG FRV - FAIR OXD BUT LITTLE SD VT ALONG FRV		60°						61.00	—	—	—	—
			3.0	85	62			65°						T9817	0.13	0.11	0.03	<0.01

A90213SS

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 Page 5 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊖ BEDDING	CORE ANGLE ⊖ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					62														
					63			60°											
						AS PREV PAGE													
	64.00				64			65°							64.00				
			2.0	90	65	47.15 - 68.90 - UNIT E IL & IB, OFTEN STRIPED, DARK COLORED DOSI - SHT AND LIGHT COLORED DCMP / MUDS / OCC DARK COLORED PLANAR & XL - SHALY TROUGH CREEK SS; MINOR DIP UP RECK OCC SECTION ≤ 3CM GRIT-GRANULE - DOAP - IN PART 90		65°								T9818	0.21	0.21	0.04	<0.01
	66.00				66	66.0 HW & FW ZONE SD & SV TO 10MM WITH 35CM CORE OF FINE BR 66.55 — 2 HEAVY OXD + STRONG CL; SL-F1		60°	66.0						66.00				
							0°	70°	0 / 66.55	25 ± SV	0	0	0						
			3.0	70	67	T TO 10MM AV 1-2 MM SD VT WITH WK TO MOD GL, PY(LI) & TRACE SL									T9819	2.02	6.21	0.99	0.01
					68	68.10 — STRONG. FRV - HIGHLY OXD. FAULT? AT LC		70°											
	69.00				69	68.88 — 8/2M - SV & SD + SX VT 3-15MM AV - 5MM; GL & PY(LI) W PY ICR D/S; STRONG OXD SV & SD VT.	68.90 - 75.20 MEDIUM LIGHT GRAY TO MED GRAY DOAP; FAIR DK SI SW (≤ 0.5MM VT) & WK BLEB - RIBBON HT; OCC BLACK CHERT LENSE & SI OO DOAP ≤ 1-2 CM	70°						69.00				
			3.0	80	70		D/S 72.35 TO LC OCC ≤ 0.3M BAND OF LM MEDIUM LIGHT GRAY DOSI/MP - AS D/S 75.20	10°	55°					T9820	0.90	0.97	0.25	<0.01
					71	71.15 —		15° F2 N 80° F1 S											
	72.00				72	V WK SD FR & VT; D/S ICR CORE MOD - STRONG FR; ICR OXD AT LC - HIGHLY BROKEN - FAULT?		55°							72.00				
					73	73.05 — UC; MIN 7 ZONE		20° S F2 75° S F1	73.05										
			3.0	85		CRACK, BLEB & VT 1-4 MM SD + SX & LI; PY = GL; SV ON F1 & F2			0	3 <	0	0	3 <		T9821	1.22	2.03	0.34	<0.01
					74	74.07 — ≤ 1% + 2 MM SD VT - IRREG MINOR SX		32° NE 74° S F1	74.07										
	75.00				75	ICR FR TO LC 75.00 - HIGHLY BROKEN - FAULT? 75.29 —	75.20 - 76.60 MED LIGHT GRAY DEL LM DOST/MP, W WK BDRYG FINE DK QZ; SM, NEAR LC - 2.2CM PB + MED GRAY DOAP.									75.00				
					76	V WK SD (≤ 1%) SD TO 3 M; UC - 40CM & 40CM TO 10MM SV - LI (PY) > CL		10° 70° F1											
			2.4	90		76.20 - D/S 15 CM HIGHLY BROKEN - FAULT?									T9822	0.32	0.42	0.09	<0.01
					77	1-2% (WK) SD, IO IRREG FR AT LC - 15CM BAND - 6 SV - 1-5MM & PY > CL; FAIR FR														

CERT NO-A9021355 & A9020726

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 Page 6 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Au %
	77.40				77	76.60 - 80.05 UC TO 77.40 - MOSTLY MED DARK GRAY DOAR (FINE-MED) DOAR AFTER 00; DIS 77.40 - MED LIGHT									77.40			DPT	
					78	77.52 - 77.80 - - - HIGHLY BROKEN-2CM CRUSHED-FAULT FR-WK SD, MINOR SV NEAR LC GRAY DOAR (FINE) & DIS. FINING TO U FINE - DOST & ICP ST		70°										
			2.65	90	79	79.13 - - - BASE OF FR-UC? MIN/Z ZONE		40° F2 60° F1						T9823	0.93	2.14	0.42	<0.01
						SV ZONE - VARIES FROM F1 SV AV 10M.			-79.13									
	80.05				80	2 @ 15CM BAND OF SV SAT JCT F1 & F2 - SV 3-10 MM; GL = PY, F2 Q > SX F1 - SD CAN DUE, ONE U WK BB @ SD RF @ DIS GL.	0°	55°	1 < QZ	2 < SD	0	0	2 < QZ	80.05				
					81	80.9 - - - - - - SV & SV BANDS ~ 1.5-1M.	80.40 - 87.05 AT BAND OF MED GRAY, LM WELL DEV.	30° F2 80° F1	-80.9									
						16CM - QS & SQ VT TO 5MM AV 2-3MM @ MOD-STRONG SX PY > GL > SL; MOST F1 OCC.	SM MAY LM IN DOSI/MR TO MED LIGHT GRAY DOSI/MR @ WK -											
			4.88	100	82	F2; NOTE PY ASSOC QZ VT / QZ @ SD; 2 - < 5CM U WK BC @ WK SL	NIL SM - UNIT B	10° F2 70° F1	< 0.3	0.5 < SD < QZ			0.5 < QZ < SD	T9824	0.68	1.21	0.21	<0.01
					83	82.92 - - -		35° 60°	-82.92									
						VV WK SD VT - ICR TOWARDS LC; PY VT < 2MM WK AT TOP	83.09 - 83.22 - CARBOCK IL DK DOMR & LIGHTER DOST											
					84	2 WK GL-PY IN SD VT < 3MM NEAR LC;	UNIT A	0° 60°										
	89.93				85	84.93 - - - - - - DIS TCR SX		65°	-84.93					89.93				
						SV ZONE - RANGE FROM 2MM - 35MM - AV 3-5MM												
					86	FINER VT QZ & WIDER ONES (10MM) SQ'; MOST F1 BUT F2 NOT UNCOMMON; GL = PY > SL		0-20° 60°	< 0.5	< SD QZ	2	<	2 <					
			3.17	100										T9825	1.59	6.52	1.84	0.01
					87	86.52 - 2 - BP - 1 & 8CM; STRONG GL > PY > SL BP CONTS. F1) & F2 (40%)		0° 65°	-86.52 3	+	B	+	0 5	+				
						87.12 - BP - FINE; BFSD < QZ & SX, GL > PY > SL			-87.33									
	88.10				88	87.33 - VWK (<0.3%) QS & SDQZ VT 40CM LC - WEAK FAIR PY > GL > SL	87.05 - 100.15 UC DARK COLOR LM STRIPED LOOK DOSI - SILT @	SS 0° 55°										
						88.10 - LC MIN/Z ZONE.	SI-H; DIS LIGHTER COLORED IL - U THIN BED LIGHT DOSI &							88.10				
					89	<0.2% SD VV WK VT < 2MM RARE PY UT AT & NEAR LC	DOMR OFTEN MUDS, OCC. LM OO DOAR; STRINGERS	15°										
			2.90	90			UNIT E'							T9826	0.57	2.22	0.57	<0.01
					90			SS 0										
	91.00				91		D/S 81.55 - AS ABOVE IL & IB (U THIN) MEDIUM LIGHT GRAY DOSI & MED GRAY DOMR - MUDS - STRINGERS	SS 10°						91.00				
					92			SS 0° 60°										
			3.0	100										T9827	0.03	0.12	0.03	<0.01

CERT NO-A9020726

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-16 Page 7 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					92												OPT	
						NS DRED												
							35 25°	65°?										
					93													
—	94.00	—	—	—														
					94		± 15°							94.00	—	—	—	—
						94.43 WK SI VT > PATCHY BLEB												
						94.62 SD @ FAIR SLYCL	SS 15°											
			3.0	100	95													
						RARE SD VT & FR								T9828	0.12	0.30	0.07	<0.01
							SS 350°											
					96													
						UC MIN/Z ZONE												
—	97.00	—	—	—		96.93 — — —	35 30°		-96.93	—	—	—	—	97.00	—	—	—	—
					97	1-2MM QZ±QS VT to FAIR-STRONG			0.5 <QZ	TR <	0	0	TR					
						SL>CL; LC-4CM BR-QZ±STRONG SL MATRIX												
						97.62 \ ST 1 \ 4-10CM	SS 65?		-97.62	—	—	—	—					
					98	V VWK SD VT - TR SX												
			2.64	90		98.53 —	97.72 - 98.58 - UNIT A? DK-LIGHT LM SILT; TYPICAL							T9829	0.69	2.07	0.39	<0.01
						UC/LC - TO 4CM PATCHES DIS/CRACK	DELICATE LM & STRONG SI											
					99	98.85 PY>SL>CL; FR-SI>SD.	15°											
						MINOR SD, RARE SX VT < 1-2MM	98.58 - 99.64 - UNIT E ONLY												
—	99.64	—	—	—		99.64 —			-99.64	—	—	—	—	99.64	—	—	—	—
					100	FINE BR-QZ>>SD BF, STRONG SL>PY>>SL	STRONG THIN LM; UPPER SECTION 3CM LENSE SI OODOAR &	SM 0°	10° N F2 65° S F1									
						100.0 —	WK ? SM ?											
						100.15 — — — —												
						WK ±SX BR-4-10CM & ±QZ±QS VT 1-5MM ID FAIR-STRONG SL>CL>PY.												
						100.83 —												
					101	SV2 QS±SX VT ~1/5CM; VT F1 1-5MM; BL>PY>>SL	99.64 - 100.0 - AT UC 10 CM BLACK SI OODOAR/COARSE) &		70°-90°									
			3.26	100						2 < +	5 < +	0	0	3 < +	T9830	1.84	7.48	1.85	<0.01
						101.70 — — D/S ICR SV ~	D/S DK GRAY DOAR - MT = CL		10° N F2 65° S F1									
					102													
						WK (~ 9%) AT TOP ICR 2 - 3% D/S												
—	103.00	—	—	—		STRONG SV - F1 > F2 4-10MM WIDTHS.	100.15 - 102.10 - MED GRAY		10-30° F2									
					103	WHERE F2 STRONG - WK BR TO 10CM	DOSI / DOAR - UNDULOSE SM		70° F1									
						OCC 4CM F1 BR; GL=SL>PY.	WEAK RIBBON MT. D/S 101.45 TO LC MED LIGHT GRAY &											
							SM WEAK											
			1.71	100	104				50°					T9831	1.17	9.46	2.55	<0.01
						104.04 - 5CM SX VN - GL>>PY>SL - LC MIN/Z ZONE				-104.13	—	—	—					
						@ 1.20m - CRACK TO 10MM SQ VT												
—	104.71	—	—	—		TO 10MM IRREG ~ FAIR SL>>CL>PY	102.10 - 104.13 MED LIGHT			< 05 F 2	TR			TR	104.71	—	—	—	—
					105		GRAY DOAR / V FINE - FINE)		55°?									
						105.26 — — — — — —	LC ON. VEIN.			-105.26								
						<2% IRREG VT ≤ 2MM SD USUALLY WITH MINOR SL	104.13 - 107.42 - ~80% IC UNIT 3											
					106		LL BLK-MUDS & MED GRAY DOSI	10°	75°									
			3.29	100		106.42 — — —	/MR; CLASTS SM AT TOP; FALSE?							T9832	0.83	0.80	0.91	<0.01
							FOL = SYN SED MOVEMENT CLAST											
					107	SEE NEXT PAGE	UNIT E	05°	70°									

CCCH.NO.A3002126 A3002355

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 Page 8 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊖ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	CD %
					107	V WK (<1%) SD. CASINGS 2 < 1MM VT.												
	108.00					107.42 - 108.65 MED GRAY WK LM - U THIN BD. DOST (MP?) PLANAR LM - UNIT Fa												
					108		10°	75°						108.00				
						108.33 - 108.65 DK GRAY TC DI & PACKED TO 1MM OO												
					109	109.27 — 10CM BR - SD BF W	15°	55°										
			2.83	90		15 & 10MM QFVT - MOD - STRONG SX												
						109.47 — D/S 109.60 - CORE BROKEN - F2 LOW ∠ - 25° & NOT SD FILLED	0°	25° F2 60° F1						T9833	035	023	0.10	0.01
					110													
	110.83					< 1% SD VT		30° F2?										
						110.83 - 112.17 - 0.25m REC - LOOKS REDRILL								110.83				
					111													
						D/S 113.57 - ICP CORE BROKEN - DUE TO DPM STRONG F2 (0-10°) & WK F1 THIS COMBINED W BD SUB PARALLEL ∠												
					112													
			4.17	55										T9834	0.04	0.03	0.04	0.01
						108.65 - 113.0 MED GRAY SM DOSI / MP(?) - SM - WEAK OCC WELL DEV. OCC RIBBON MT D/S 116.85 TO LC - SM WEAKER	0°	25° F2 45° F1										
					113													
					114			0-10° F2										
						114.30 — HW FAULT ZONE												
	115.00					FAULT ZONE - STRONG 30° FRV & MICRO BROKEN												
					115	115.0 — OCC POLISHED FRV	35°?	30° F2?						115.00				
						CORE OCC BROKEN - 2 PRIM 30° FRV - F2												
								30° F2?										
					116	116.0												
			3.0	65		STRONG FRV (F2?) - POLISHED PLANES.								T9835	026	014	0.07	0.01
						116.74 - 10CM ∠ Q? > SDVN - WK SX - MAIN BREAK?												
					117			30° F2?										
						MOD F2 FRV - ~30° ∠ : ~2% < 2MM SD VT												
	118.00																	
					118	118.0 — MOD F2 FRV - BROKEN - FAULT ZONE	0°	30° F2?						118.00				
						118.50 — FW FAULT ZONE												
					119	2-4% SD IN WIDE SPACED < 4CM BR ∠ IN 1-2 MM VT; OCC WK SL IN VT & DISS IN BR	119.0 - 119.57 MED GRAY TO MED DK GRAY DOST / MR. ID SW DK SI VT < 0.5 MM & PATCHES OO DOAR - SI	15°	30° F2?										
			3.0	85										T9836	0.32	0.05	0.03	0.01
					120			60° F1										
						119.57 - 122.60 MED DK GRAY DOAR - COARSE SAND - GRIT OO - USUALLY SI AT TOP & D/S NON SI												
	121.00				121			70°						121.00				
						122.60 - 123.30 - MED DK GRAY DOST - SL - FAIR MT W TB OF SI OO DOAR < 3CM.		30° F2 55° F1										
					122													
			3.0	85										T9837	0.28	0.06	0.04	0.01

CERT. NO A9021355

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 Page 3 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	
		AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	CLD %
					122													
						122.65 – D/S DCR SD VT												
					123		0°	55°										
						1-2% CASH <2MM SD-PAPE XC CORE VT. TRACE SV	123.30-124.90 MED GRAY TO MED LIGHT GRAY DOST/MP SM-WK-FAIR & FAIR RIBBON MT: PLANAR WAVY & CONCAL UNIT B											
		124.00			124			65°						124.00				
							124.90-131.15 UNIT E											
					125	D/S 125m SD DCP TO <0.5%	IL-IB(VTN in) MED LIGHT GRAY DOST & DARK GREEN TO BLACK MUDS. STRONG SS, FAIR NEPT DYKES-CLW.	0° 60°										
			3.0	90										T9838	0.04	0.02	0.01	<0.01
					126			25°										
							130.80-131.15 – IC.	45°										
	127.00				127		131.15 – 133.17 MED GRAY DOST/MP W UWK RIBBON MT & FLECK SW DKSI <0.5MM VT. CL OCC. <10CM BD UNIT E L. D/S 132.7 <3.8CM BD. 00 DOMP.							127.00				
					128			20°										
			3.0	90										T9839	0.02	<0.01	0.01	<0.01
						128.70 – ICR SD VT												
					129			20° 60°										
						2-4% CORE XC F1 SD VT 1-20CM AV 2-3MM		55 20° 60°										
	130.00				130									130.00				
								30° 65°										
					131	131.1 – – – UC – V10CM OXD – POSSIBLE FAULT												
			3.0	100		D/S 5-10% <2MM – GASH, SEMI SW VEINING	133.17-133.86 MED GRAY DOST WAVY SM	55 60°						T9840	0.02	<0.01	0.01	<0.01
					132	132.03 – – <1% SD VT <1MM												
	133.00				133			35 75°						133.00				
						133.18 – – D/S ICR SD		75°										
					134	3-5% SD VT - 1-10MM AV 3-4MM FINE FR W OXD & OFTEN SD OXD TO BWU LT; F2S F1	133.86-141.25 MED GRAY COARSE DOMP-CL-STRONG PERVASIVE FINE BLEBBY MT SPAR-& RARELY ALONG LM	40°	30° NF2 55° S F1										
			3.0	95				0-45°	25° F2					T9841	0.04	<0.01	0.03	<0.01
					135													
	136.00				136			60°	30° F2 S 50° S F1					136.00				
							136.32-136.82 – MED LIGHT GRAY DOMP (FINE-MED) – WK MT LOOKS LIKE UWK CL												
					137				30° F2 60° F1									
			3.0	95										T9842	0.04	0.07	0.06	<0.01

ASSAY CERT. NO. A9021355

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-16 Page 5 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO. A9021355

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL GL CP TT PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag gm/t OPT	CD %
					137	137.0								
						138.25 BR BANDS - LOOKS LIKE RESULT OF FEW SD VT - USUALLY OXD TO	136.82 - 137.90 - MED GRAY, THICK BD DOAR. - LOOKS REVL 00;							
						137.70 DK BROWN LI; INTER BR 5-7% OXD SD VT - SEMI SW								
					138	138.35		5°	70°					
						138.65 WHITE SD; QZ FLOODED ZONE	137.90 - 138.35 - LIGHT & DK GRAY LM SM; DOSI/MP.							
		139.00				35°X?; FAULT ZONE								
					139			40°	30° F2 S 50° F1 S					
						NOTE OXD SD VT WEAKENS SIGNIFICANTLY BELOW 138.65	D/S 138.35 - CL AS PREV. - UNDULOSE WK DOHM.							
					140			^ 0-60°	40° F2? 60° F1					
			3.0	100		5-7% SD VT - TO 25M AV. 3-5MM OCC FR SD OXD TO BUN LI								
						MOST VT F2 > F1 & ~40°X		60°	40° F1, F2°	T9843	< 0.01	< 0.01	0.13	< 0.01
					141									
		142.00				SD DCR TOWARDS LC	141.25 - 142.05 - MED GRAY. THICK BED DOAR / MED-COARSE)	60°	25° F2 40° F1					
					142	142.15	CX OO (REVL) FAIR LENSES & VT SI OFTEN OOLITIC			142.00				
								65°						
			3.0	100	143	~1% SD VT < 2MM.	142.05 - 142.40 - LIGHT COLOR WK SM AT TOP. GRADING D/S							
							INTO DK & LIGHT COLORED V FINE LM DOSI/MP-S			T9844	0.02	< 0.01	< 0.01	< 0.01
					144			65°						
		145.00			145	145.0	142.40 - 145.25 - IL MED LIGHT GRAY DOSI & DARK GRAY MUDS - UNIT 'E'.	60°		145.00				
						4-5% SD VT TO 50MM AV 10MM. F2 > F1 ~20°X	PLAN AP - FLASER BD; SES FAIR							
					146	FAIR-MOD FINE SW FR SD.			20° NF2 60° S F1					
			3.0	95			145.25 - 147.92 - MED GRAY DOAR - CL. FAIR-STRONG			T9845	< 0.01	< 0.01	< 0.01	< 0.01
					147	NOTE - DCR SD VT IN UNIT 'E'	BD RIBBON MT.		35° NF2 60° S F1					
		148.00				147.92	146.65 - 147.92 - MED GRAY DOAR / FINE - MED; OCC < 2CM LENSE - BALL CHERT W MINOR OO; THIS UNIT REVL OO; LOOKS FINNING D/S AT LC. ~5CM FINE TC	60°						
					148					148.00				
						< 1% SD FR - 5MM VT AV 1-2MM. F2 > = F1								
					149			45°	40° F1'					
			3.0	100						T9846	< 0.01	< 0.01	< 0.01	< 0.01
					150		147.92 - 166.47 UNIT 3 IL - THIN BD MED LIGHT GRAY DOSI/MP & DARK GRAY MUDS SS OCC STRONG NEPTUNE DYKES; UNIT E	35°	20° S F2 FE° N F1					
		151.00												
					151			50°	55° F1	151.00				
					152			40°	25° F2					
			3.0	100						T9847	< 0.01	< 0.01	< 0.01	< 0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 80B-16 Page 11 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊕ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					152												OPT	
					153		65°											
– –	154.00	– – – –			154		45°	25° F2 70° SF1						154.00	– –	– –	– –	– –
					155		45°											
			3.0	100										T9848	< 0.01	< 0.01	< 0.01	< 0.01
					156		60°	30° F2										
						156.47 – 158.0 MED GRAY DOAR/FINE-MED - MOTTLED FINE MT-CL;											
– –	157.00	– – – –			157		50°	45°						157.00	– –	– –	– –	– –
					158	157.70 – 158.0 MED LIGHT GRAY DOST/MP - UFINE LM 1% UNDULOSE SM Ø U FINE SX MICRO BD;	60°	25° F2										
			3.0	100										T9849	< 0.01	< 0.01	< 0.01	< 0.01
					159	158.0 – 159.10 – MED LIGHT GRAY DOST Ø WK < 1MM DK GRAY HUDS LM UNIT E'	60°	15° F2N										
– –	160.00	– – – –			160			15° SF2 60° SF1						160.00	– –	– –	– –	– –
					161	159.10 – 160.45 – MED LIGHT GRAY TO LIGHT GRAY DOST; FAIR WISPY LM < 0.5MM Ø DC SI SD – WK SM	60°	10° SF2 50° SF1										
			3.0	100										T9850	< 0.01	< 0.01	< 0.01	< 0.01
					162	160.45 – 163.40 LIGHT GRAY DOST (COARSE) Ø FAINT PALE KHAKI HUDS/DOMR; LC TRN	55°	45° F2?										
– –	163.00	– – – –			163	< 163.00 – –	60°							163.00	– –	– –	– –	– –
						< 0.2% V WK SD VT < 5MM AV 2-3MM	163.40 – 172.38 LIGHT GRAY DOAR (REXL) – SM; STRONG REXL & UNDULOSE; DCC 20CM BD OF GREEN GRAY											
					164		25°	60°										
			3.0	100			DOMR-WK LM; UNIS DAL CL - NO CARBONATE LM - JUST INTENSE DOLITATION IN PLACES; 1-2% Ø LM-SM								T9851	< 0.01	< 0.01	< 0.01	< 0.01
					165		~											
							20°											
– –	166.00	– – – –			166		~	75°						166.00	– –	– –	– –	– –
					167		~	70°										
			3.0	100										T9852	0.04	< 0.01	< 0.01	< 0.01

CERT. NO. A9021355

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-16 Page 12 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					167												OPT	
					168	SEE PREVIOUS	CL	60°										
	169.00				169		20°	65°						169.00				
					170		25°	70°										
			3.0	100										T9853	< 0.01	< 0.01	< 0.01	< 0.01
					171		0°	70°										
	172.00				172			60°						172.00				
						172.38 - 175.53 LIGHT GRAY DOST/MB - THICKBD? - VERY FAINT DOSI LM. UNIT 'F' - IN PLACES LOOKS FAINT SM.												
					173	173.0	30°?	60°										
			3.0	100		1-2% SD VT TO 10MM. AV 2-3 PY & TR SL OCC IN F1 QZ & SGVT & F2 QZVT < 2-3MM									T9854	0.01	< 0.01	< 0.01	< 0.01
					174			55°										
	175.00				175	174.55								175.00				
						175.53 - 176.65 = LIGHT GRAY DOAP / FINE-MED / PYL UNDULOSE CL - AS D/S 163.40;		55°										
						175.53 - 175.90 = LIGHT GRAY DOST/MD AS D/S 172.38 W												
					176	1-2% SD VT - UP TO 25MM AV 2-3 MM	FAIR BLEB SP-MT - CL	15°										
			3.0	90										T9855	< 0.01	< 0.01	< 0.01	< 0.01
					177		176.65 - 177.87 LIGHT GRAY IL DOSI & DOMP LM - FAIR - UNIT 'F' - DEFINITE FW SL-CL UNITS; MINOR	15°	60°S									
	178.00				178		BBEC < 2CM. MT.; CL.	0°	60°					178.00				
					179		177.87 - 184.83 AS D/S 163.40 LIGHT GRAY DOMP W STRONG SP-MT; UNDULOSE; CL	05°	60°									
			3.0	100										T9856	< 0.01	< 0.01	< 0.01	< 0.01
					180		OCC < 20CM BAND OF IL DOSI, DOMP - AS D/S 176.65 UNIT 'F' - GRADES INTO CL	0°	70°									
	181.00				181			0°	75°					181.00				
					182			0°	60°									
			3.0	100										T9857	0.01	< 0.01	< 0.01	< 0.01

CRETACEOUS - 902155

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 — Page 13 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	As ppb	Cu %
					182	SEE PREV PAGE											DPT	
						182.4												
					183	3-5% SD VT - <1DMM AV 2-3 MM, MOSTLY F1;	10° CL	60°										
	184.00				184		CL 0°	30° S F2 55° S F1						184.00				
						184.83 - 188.0 - MED LIGHT GRAY TO LIGHT GRAY DOSI W FAINT KHAKI MUDS - DOMR LM: UNIT 'E' - IN PLACES WK MT BANDS < 0.3M												
			3.0	95	185		MX 30°	55°										
														T9858	<0.01	<0.01	<0.01	<0.01
					186		MX 0°	60°										
	187.00				187		20°	70°						187.00				
					188		20°	60°										
			3.0	100		188.0 - 188.20 LIGHT GRAY DOAP (FINE-MED) OCC TO 5CM BANDS W PALE GREEN LM - DOST - V FINE DOAP LC - TEN												
						188.63								T9859	<0.01	<0.01	<0.01	<0.01
					189	V WK (<0.5-1%) SD VT TO 6MM AV - 1-3MM;	25°	60°										
	190.00				190		05°	55°						190.00				
						189.20 - 195.24 IL MED LIGHT GRAY DOAR (FINE) & PALE KHAKI DOSI/MR - IS THIS CL OR UNIT E - LOOK MORE LIKE 'E' - BASE CYCLE - STRONG FPV - MM IN PART BE MUDCRACKS												
			3.0	100	191		10°	60° S										
					192		30°	60°						T9860	0.01	<0.01	<0.01	<0.01
						194.35 - 195.24 - AS ABOVE LOSES LM & WK SP-MT - IRN TO CL UNIT AT LC												
	193.00				193		30°	60°						193.00				
					194		15°	65°										
			3.0	100										T9861	<0.01	<0.01	<0.01	<0.01
					195	195.24 - 212.77 LIGHT GRAY MOTTLED DOMR W STRONG SP-MT = UNDULOSE CL												
	196.00				196									196.00				
						197.85 - 198.45 - ~60% TL <1CM PALE GREENISH GRAY MUDS - DOMR												
					197		70°	60°										
			3.0	100		D/S 198.45 - BECOMES LIGHT MED GRAY COLOR								T9862	<0.01	<0.01	<0.01	<0.01

DRILL INDICATIONS

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-16 Page 14 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					197	200.85 - 201.35 - LIGHT GRAY. DOSI/DOMP.											OPT	
					198		~											
	199.00				199		~	65°						199.00				
					200	201.45 - 206.83 - V THIN BD'S & LM OF DOSI/MR COMMON BETWEEN CL; WK PERVASIVE <B	30°											
			3.0	95				60°						T9863	< 0.01	< 0.01	< 0.01	< 0.01
					201	201.30	0° CL											
	202.00				202	VV WK SD FR	0°	60°						202.00				
					203		0° CL	70°										
			3.0	100										T9864	< 0.01	< 0.01	< 0.01	< 0.01
					204		5°											
	205.00				205		10°							205.00				
					206		0 CL											
			3.0	95										T9865	< 0.01	< 0.01	< 0.01	< 0.01
					207	206.75 - D/S UC - WK BLEBS & LM GRAY DI. AT LC 20CM.	25°											
	208.00				208	BAND OF GRAY SI (CHERT) UC CHERT 35° X FAULT	20°							208.00				
					209	208.80 - VV WK SD - DT.	10°											
			3.0	100										T9866	< 0.01	< 0.01	< 0.01	< 0.01
					210		20°	55° N										
	211.00				211		0° CL							211.00				
					212		10°											
			3.0	100										T9867	< 0.01	< 0.01	< 0.01	< 0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No: 80B-16 Page 15 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	STRUCTURE METRES	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					212	212.77 - UC 30°-70°; ALTERED VOLCANIC - UC - 13CM CHILLED MOTTLED: GRAY GREEN, U FINE GRAINED, HIGHLY ALTERED; WK U FINE ALT DYKE? W PY; WK-FAIR CASH. BLEB & VUK ULT STR M.NOD PY; WK TALC ON FRV; ON CASH DK GREEN TALC FR;											
					213	— 212.77		80°										
—	214.00	—	—	—	214	T - 4% CASH BLEB 20CC TO 5 CM. QZ VT OFTEN W MINOR PY & CP (U FINE) - U WK WHITE CB-SD;		70°						214.00				
					215	213.50 - 8CM XENOLITH DOSI W. COARSE BLEB QZ		60°										
			3.0	100										T9868	< 0.01	< 0.01	< 0.01	0.03
					216			60°										
—	217.00	—	—	—	217	20CC LIGHTER COLORED BANDS - FX - FINE GRAINE SUB-ANHEDRAL & APPEAR SUB-PARALLEL & HIGHLY ALT. RELIC - MAFIC XL - HIGHLY ALT & OFTEN W PY								217.00				
					218			70°										
			3.0	100										T9869	< 0.01	< 0.01	< 0.01	0.03
					219			80°										
—	220.00	—	—	—	220			70°						220.00				
					221			65°										
			3.0	100										T9870	< 0.01	< 0.01	< 0.01	0.04
					222	— 221.82 — QZ VN < 222.0 — D/S QZ VT - RARE 2ICE SD		70										
—	223.00	—	—	—	223	1% SR & SD VT; FR - 8 MM QZ VT - WEAK - RARELY TO 25 MM; MOST 1-2 MM		70°						223.00				
					224			70°										
			3.0	100										T9871	< 0.01	< 0.01	< 0.01	< 0.01
					225			65°										
—	226.00	—	—	—	226			70°						226.00				
					227			60°										
			3.0	100										T9872	0.01	0.01	< 0.01	0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 Page 16 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	CORE ANGLE ⊙ STRUCTURE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					227	ALTERED VOLCANIC												
					228	227.90 - 228.87 - ALT VOLCANIC - DARKER COLOR - FRESHER		70°										
	229.00				229	228.87 - 231.84 - VOLCANIC - 'FRESH' 1-2% LIGHT COLORED XLS-BRONZE COLORED IN A FINE GRAINED YL IN A WHITE & GREEN BLACK XL MATRIX - BASIC ROCK CNTS FAIRLY SHARP LC-60°		50°							229.00				
			3.0	100	230			60°										
					231	D/S 231.84 - AS AT D/S 212.77 BLEACHED HIGHLY ALT. GRAY GREEN COLOR, MINOR PY		65°						T9873	0.02	0.01	<0.01	0.01
	232.00				232			60°						232.00				
			3.0	100	233			70°						T9874	<0.01	<0.01	<0.01	0.02
					234			65°										
	235.00				235			70°						235.00				
			3.0	100	236			55°						T9875	<0.01	<0.01	<0.01	0.02
					237			65°										
						237.45 - - - D/S ICR SDVT												
	238.00				238	237.80 - 239.30 - DCTBN. 'FRESH' DK. GRAY GREEN) A. 2% LOCALLY TO 5% SD.VT TO 10MM AV 3-5 MM 1-2% 10% DISS XL PY. D/S 228.87; LC-TBN		50° FC 60°						238.00				
			3.0	100	239	D/S 239.30 - BLEACHED VOLC AS D/S 231.84 - 1% 10% DISS TE CP?		60°						T9876	0.02	0.02	<0.01	0.02
					240			55°										
	241.00				241			55°						241.00				
			3.0	100	242			65°						T9877	<0.01	<0.01	<0.01	0.03

CERT NO. A9021355

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 30B-16 Page 17 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES	COMMENTS	CORE ANGLE ○ BEDDING	CORE ANGLE STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					242												OPT	
					243			60°										
	244.00				244			65°						244.00				
					245	245.36 ILR SDVMLVN		60°										
			3.0	100										T9878	<0.01	<0.01	<0.01	0.01
					246	WHITE SD; PO? VT - 7% CM - UP TO 5 CM 1/0.5-1M;		55°										
	247.00				247	2% < 10 MM VT MOSTLY CASH VT		20° F2 70° F1						247.00				
						PCC QZ WSDVT VM, VN												
					248			20° F2S 70° F1N										
			3.0	100										T9879	<0.01	<0.01	<0.01	0.03
					249			70°										
	250.00				250									250.00				
					251	251.0		25° F2 70° F1										
			3.0	100										T9880	<0.01	<0.01	<0.01	0.02
					252	2% LOCALLY M TO 4% WHITE SD FP 2 VT TO 10 MM AV 3-5 MM; SD. VT - SQ (MOD - FAIR)		15° F2										
	253.00				253			65°						253.00				
					254			35° NF1 65° SF2										
			3.0	100										T9881	<0.01	<0.01	<0.01	0.02
					255			20° F2S 45° F1S										
	256.00				256			65°						256.00				
					257			50°										
														T9882	<0.01	<0.01	<0.01	0.07

CERT NO. A9021555

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-16 Page 18 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT. NO - A9021355

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					257													
					258	257.70 HIGHLY FPV & INBRT COUGH - F1 FAULT ~258.0		50°										
	259.00				259			60°						259.00				
					260	260.10 - 10 CM PRD - 50° - LM PEV. DYKE?	VOLC - FINER GRAINED TOWARDS 260.40	60°										
			3.0	95		260.40 - 75° - IRREG CNT								T9883	<0.01	<0.01	<0.01	<0.01
					261	QZ VN - 85% WHITE QZ IN ALT VOLC - OCC. MINOR XL FINE PY; VN - 45° ?												
	262.00				262	261.70 - 10-15% QZ VT 3MM - 15CM VN STRONGER AT UC & LC								262.00				
					263	262.80 - 5-10% SD - VT 3-10MM & BLEBS VT - USUALLY IRREG.		45°										
			3.0	95										T9884	<0.01	<0.01	<0.01	<0.01
					264	263.93 - IRREG - 80° ?	263.3 - LC ALT VOLCANIC											
	265.00				265	WIDE SPACED ~ 0.5 M. TO .5CM @ WK DI-FR SL	260.0 - LIGHT GRAY DOAR (FINE-MED) - BOCK TYPE?	55°						265.00				
					266		AS PRE ALT VOLC - LIGHT GRAY CU. FAIR SI - CHERT - WHITE & DK COLORED.											
			3.0	95		AT LC ~15CM @ FAIR DI-FR SL								T9885	033	023	004	<0.01
					267	266.60												
	268.00				268	DOBAN WK SD - LOCALLY OO 0.5M STRONG SD & QZ VT TO 2CM. AO 5-10MM	264.35 - 264.46 - CNTS ~35° & LIGHT COLORED CHILLED APHANITIC MATRIX @ <1MM ~1% PHENOCRYSTS							268.00				
					269		266.0 - 266.70 - ~50% WHITE CHERT & AT LC 12CM BLACK & WHITE CHERT SI & BR - QV?	50°										
			3.0	90										T9886	<0.01	0.12	0.04	0.01
					270	269.70 / GOUGE F - FRV COMMON	267.70 - 268.15 - STRONG WHITE - GRAY CHERT - REPLACM'T	65°?										
						270.35 / WHITE QZ-CHERT 270.50 — LC - 50°	LM & BD; NEAR LC TO 15CM BD - KHAKI - MUDS											
	271.00				271	270.85 - COUGH - EXTREME ALT - VOLCANIC? CLASTS - DOCM - LC - 50° BR 10-15% SD BF									271.00				
						271.60	269.10 - 270.35 - ~90% WHITE CHERT											
					272	AT LC - FAIR FP - BR SL 272.00		55°										
			3.0	100										T9887	023	004	003	002

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-16 Page 10 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

CERT NO: A9021355

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					272	272.0 10-20% SLEB & UT SD TO 25MM AV 10MM											OPT	
						276.85 - 277.60 - BR - DOMR W 10-20% CHERT CLASTS? & 10-15% SD BF; MODS CLASTS; NOT SM?											
					273	AT 272.70 - 3CM QSVT W FAIR - MOD SL		55°										
						271.60 - 272.15 - IL MED LIGHT GRAY DOSI & DK GREEN - BLACK MODS - UNIT B; AT LC. - 5CM CAPROCK?											
	274.00				274	273.50		70°						274.00				
						4-7% SD. FR - UT TO THK AV 2-3MM												
						MINOR SLIDSD NEAR UC												
					275	272.15 - 276.25 MED GRAY DOST - DOMR (FINE - U FINE) WITH OCC TO 3CM BLACK MODS BANDS USUALLY SH		70°										
			3.0	90										T9888	0.05	0.02	0.01	<0.01
					276	276.25 — DISTCT FRV W BLK MUD GOUGE ON PLANES.		60°										
	277.00				277	277.0 - CUT - 60° UC - 10CM - BK GOUGE & BROKEN ROCK STRONG FRV W MOD. OCC BP.	- FAULT ZONE	60°						277.00				
						277.80 - 60° x 5CM GOUGE GRADES FRV												
			3.0	80	278	278.0 — 1-2% SD FP.								T9889	0.04	0.02	0.03	<0.01
						276.25 - 278.0 = BLACK MODS IL W LIGHT GRAY DOST - UNIT E - HIGHLY SH.												
					279	278.80 ICR SD												
						5-10% SD VT <10MM AV 3-5MM SD DCR TOWARDS LC.												
	280.00				280	278.0 - 281.94 MED GRAY DOSI W LM BLACK DOMR MODS SIMILAR TO PREVIOUS DIS 272.2 OCC WK LM - SH; STRONG FRV		60°						280.00				
			T9891	95	281									T9890	0.01	0.03	0.01	<0.01
						D/S 280.60 - 10CT AS HIGHLY FRV - AS ABOVE MODS ABSENT & WK PLFRD FABRIC MT LOOKS CL - WK MT												
	281.94					281.94 - END OF HOLE								281.94				

092942

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-17 Page 1 of 19

ELEVATION 1729.76 — DRILL CONTRACTOR E. CARON — CORE SIZE NQ — TOTAL DEPTH (m) 274.32m

COORDINATES 19,900.08N; 10,251.30E — LOGGED BY M.P. PHILLIPS

HOLE STARTED AUG 7/90 — COMPLETED AUG 13/90

SURVEY/DEPTH	COLLAR	109.7	269.7	
DIP	-46°	-46°	-45°	
AZIMUTH	035°	036°	039°	

ZONE 2,5,6,7&9

SECTION 10,250E

sugil og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					0	0 - 4.59 - CASING												
					4													
	4.49					4.59								4.49				
					5	4.59 - 6.00 - MED DK GRAY TO BLACK LM SILT	45°	65°										
			2.51	90			30°							T9891	0.28	0.05	0.01	<0.01
					6	1-2% SD FR - 2MM VT PARA TO SD/XBD IN SV & LT	6.00 - 10.00 MED LIGHT GRAY TO MED GRAY DOST & DOMR											
	7.00				7	IC LT	WK - FAIR FLAT - DOMAL SM; LC TBV	50°						7.00				
							10.00 - 15.90 CL UNIT - VARIES FROM BLACK DOST/MP @ LM RIBBON MT TO LIGHT COLOR, STRONG BLEA & PERVASIVE MT; UNDULOSE; IN PLACES SM.											
					8			30°	60°									
			3.0	100										T9892	0.34	0.21	0.04	<0.01
					9			40°	30° F2?									
						9.50 - D/S TCR SD & SV (=)												
	10.00				10			0° CL	45°					10.00				
						2-4% SD VT ER - 30MM AO 1-3MM VT - USUALLY FRESH OCC HIGHLY OXD ~1-2 1.5M SD VT @ GL & LT; BWN SL PARA; & LT											
					11			0° CL	60°									
			3.0	95										T9893	0.28	0.21	0.04	<0.01
					12			0°	60°									
								50°	70°									
	13.00				13									13.00				
								0° CL	15° F2 50° SF1									
					14		15.90 - 16.50 - OO DGAR, SI MEDIUM SAND AT TOP & FINING D/S TO: FINE SAND SIZE; 3CM GRANULE TC ON LC											
			3.0	95				0° CC	15° 70°					T9894	0.22	0.15	0.02	<0.01
					15													
							16.50 - 32.60 IL IB - (OCC TO THINBD) MED DM LIGHT GRAY, DOAR & DOSI @ GREENISH GRAY DOST/DOMP; BD-LM PLANAR-WK SS; OCC < 3CM SPIT; GRANULE TC - UNIT E RARE < 5MM PALE GREEN MODS.											
	16.00				16				30° F2?					16.00				
						16.50 - ~BDNG AVD 1-3MM SD VT - TOLT ON LC - 6CM OXD SD @ QZ - TOBWN LT												
					17	16.93 -		60°										
			3.0	95		WEAK (10%) SD TFZ 2MM GRAY LT (NBW) AT 17.60 10MM SV - 50° TO CL								T9895	0.34	1.08	0.26	<0.01
					18			50°										

CERT NO - A9021507

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-17 Page 2 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

DEPT. NO - A9021507

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE ⊙ BEDDING	STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag gm/t OPT	Cu %
					18													
	19.00				19	b/s 19.0 - SD WEAKENS; SD OCC IMMFR ⩔ PY AND/OR LI	30°	60°S						-19.00				
					20		45°											
			3.0	100										T9896	0.06	0.06	0.02	<0.01
					21	NOTE - XL - SMALL TROUGH	45°											
	22.00				22		35°	70°S						22.00				
					23		40°	70°S										
			3.0	90										T9897	0.11	0.07	0.03	<0.01
					24	23.90 - D/S ICP LT ON SD VT & FR, LT ENDS?	45°	60°S										
	25.00				25	FM-LT HALO - V WK SD VT, CACH FR QS & SQ ⩔ STRONG LI (& PY) FR - F1 = F2	35°	70°S						-25.00				
					26		35°											
			3.0	95										T9898	0.08	0.05	0.01	<0.01
					27		35°	0°FZ										
	28.00				28	28.30 - STRONG DXD SQ FR 1-2 M ~1/6 CM OFTEN WITH STRONG GL & OCC FR ⩔ 5 MM BLEB GL		60°F1						-28.00				
					29		30°	60°										
			3.0	95		29.35 - PY HALO! - FAIR FR ⩔ STRONG DXD - 2 SD 2 PY? WK (<0.5%) SD SD FR.								T9899	0.14	0.74	0.17	<0.01
					30		35°	55°										
	31.00				31		25°	60°						31.00				
					32	32.00 - -	30°	75°										
			3.0	95		WK (<10%) SD MAINLY FR - WEAK - STRONG OXD								T9900	0.11	0.16	0.03	<0.01
					33	~1/1.5 M TO 10 MM < DIST - WK - STRONG GL	60°	60°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-17 Page 3 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO - A9021507

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t	Cu %
					33	32.60 - 45.20 MED LIGHT GRAY DOAD (FINE-U FINE) & DOSI/MR; WK OCC DARK GRAY BANDS STRONG SM; OVERALL WK SM.; SM - FLAT OCC DOMAL											QPT	
	34.00				34									34.00				
						SEE DDH)												
					35													
			3.0	95										T9901	0.65	1.04	0.29	<0.01
					36													
	37.00					36.65								37.00				
					37		10°	70°										
						V WK SDED <1 MM; WK LT (CPY?) IN CRACKS												
					38		0°	65°										
			3.0	95										T9902	0.23	0.17	0.05	<0.01
					39		20°	75°										
	40.00					39.80 D/S ICR SD 3V												
					40		20°	75°						40.00				
						SV+LI UPTO 10MM AV 2-3MM SPACED 2CM-25CM AU 15 CM APART; MOST FI, FAIR FZ LOW X 0-25°; SI=CL & LI													
					41		0-15°	25°N 75°S										
			3.0	95		WK SD (<1°P) BOT MOST ALL LI-SX								T9903	0.70	1.16	0.20	<0.01
					42	41.73 - 45.20 - MED GRAY D/S MED DK GRAY CL - WK FINE MT	0-45°	75°										
						IRREG. UNDULOSE; NEAR LC WK DI FINE ODUTES; D/S 42.70 SD MAJOR FR & SV 1-5MM; NOT COMMON;													
	43.00				43		30°	60°						43.00				
						45.20 - 66.10 LC OCC TR/V THIN OCC THIN BD/MEDIUM LIGHT GRAY SILT - OCC DOSI AND GREEN GRAY SILT - DOSI AND DARK GREEN GRAY MUDS; SILT - DOSI DOMINENT;		45°											
					44													
			3.0	75										T9904	0.20	0.16	0.05	<0.01
					45			55°										
						45.20												
						BD - PLANAR - SMALL TROUGH X LM DEWATER. CRACKS MEDIUM DYKES; UNITE													
	46.00				46	<0.3 SD FR; NOTE MUCH WEAKER SD FR PVT IN UNIT E COMPARED WITH SL-CL UNIT; CD-M DOR LT (DY?)	10°	55°						46.00				
					47		15°	70°										
			3.0	100										T9905	0.04	0.02	0.04	<0.01
					48		10°	70°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-17 Page 4 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
				48												OPT	
49.00				49	UNIT E - IL - LIGHT COLORED SILT - DOSI & DARKER COLORED SILTY MUDS & OFTEN PALE COLORED - KHAKI MUDS - DOMP. FU PLACES STRONG SS · ACC BLEB SUSED DU · VTW	15°	65°										
		3.0	95	50		15°	65°										
						SS							T9906	0.04	0.02	0.01	<0.01
				51		35°	75°										
52.00				52		0-10°	55°						52.00				
				53		SS 45°											
		3.0	90										T9907	0.04	0.02	0.01	<0.01
				54		20°	60°										
55.00				55	54.85 — — D/S ICE FR	35°	70°						55.00				
				56	FAIR FR & WEAK 2MM CASH SD FR LI-PY FR, FAIR - ICE TOWARDS LC												
		3.0	100										T9908	0.08	0.14	0.03	<0.01
				57			70°										
58.00				58	58.17 - 58.32 - SI 00 - IN SS CHERT MATRIX	30°	70°						58.00				
					58.32 — — +												
				59	ORD STRONG FI FRV W NARROW FI BR MINOR FR GL FAIR LI: 35CM LC - SW ORD SD 22-3MM W LI (CPPY) 20N		70°										
		2.5	95		59.40 — — + LC 5CM - 50% GL								T9909	2.37	1.53	0.35	<0.01
				60	STRONG FRV AT UC DCR D/S 1-20% FR SD W WE LI: MINOR <2MM STRONG LI (PY) VT	40°											
60.50					60.50 — — — — — —								60.50				
				61		40°											
					WE (<1°) SD FR, FAIR LI FR FAIR CL · IN 2 OR TO 10 MM SDVT												
		2.5	85	62	62.75 - 63.10 - FRESH - ORD <2MM VT W MINOR CL	40°							T9910	0.17	0.095	0.17	<0.01
63.00				63		20°	70°						63.00				

62.80 - 65.23 MED GRAY SILT > DOST · NEAR UC LM - LIGHT COLORED · OCC GRANULE TC · IN PLACES 10% BLEB MT; UNIT FA

CERT NO-A9021507

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-17 Page 5 of 10

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	BZ	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t OPT	Cu %
					63														
					64	64.00'													
			3.0	75		STRONG FEN 2 OXD; LC 64.17-64.6CM BR W OXD SDRF		60°							T9911	0.18	0.19	0.04	<0.01
					65	<0.5% SDFR; FAIR LT ER		15° S F2 75° S F1											
						D/S 65.23 - ICP FR & OXD	65.23 - 68.50 - LIGHT EWN GRAY DOSI-SILT TYPICAL E WITH LM APPEARING NEAR LC											
	66.00				66	66.0m		60°							66.00				
						10-15CM UP TO 10MM SD VT @ FAIR GL WK CRACK FILLING GL													
					67	ON LC - WK BR @ FAIR VT & BF GL MOD OXD	66.10 - 67.40 - SI FINE - COARSE OO DOAR IN DOMR MATRIX; OCC <3-5CM BANDS OF WK SM DOSI	70°											
			3.0	80		67.25									T9912	0.85	1.32	0.33	<0.01
					68	<0.5-1% SD FR		50°											
							67.40 - 71.8FT - MED LIGHT GRAY DOSI/DOMR (SI) AND DARK COLORED - GREENISH BLACK MUDS/DOMR; SS STRONG IN PLACES; MC OCC PRESENT UNIT E											
	69.00				69			65°							69.00				
					70			70°											
			3.0	75			70.11 - 77.8FT - UC LIGHTER COLOR MED GRAY - TO LIGHT KHAKI SILT-DOSI-DOMR & KHAKI MUDS-DOMR; OCC COARSE SAND-GRIT IC <3CM SS								T9913	0.18	0.16	0.04	<0.01
					71			30°											
	72.00				72			40°							72.00				
					73			35°											
			3.9	60	74			40°							T9914	0.23	0.30	0.08	0.02
					75	74.80													
						15CM RECOVERY ~5CM BR RECOVERED - UC BR - ±? 75.85													
	75.90				? 76	75.90			75.85						75.90				
						~0 ASH REC; ±± COARSE BR													
						AT TOP (TO 76.10) 2 D/S FINE BR; VERY W CL BF - 50-60% HEAVY OXD			0	50+	0	0	0	?					
			2.25	70		76.75			76.75						T9915	6.35	18.50	3.87	<0.01
					77	WK FR & SD													
						76.95													

CERT. NO - A9021507 & A9020501

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-17 — Page 6 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH: COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP / AZIMUTH	SECTION

CERT NO - A9020801

Visual Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE: SL	GL	CP	TT	PY	HZ	SAMPLE NUMBER	ASSAYS: Zn %	Pb %	Ag g/t	Cu %
					76.95				76.95										
					77	UC-LC-4, D↕1CM BR-OXD W MOD-STRONG GL; INTER BR <1MM QZV W GL↕ER GL; NEAR LC SV TO 1SM-GL STRONG (50MM±)	TT-BT-84.36 MED GRAY DOST (FAIR QFSILT); WK BD WK SM (DK BD↕LC QZ<0.5MM) DEC XL SEEN AND <3CM IC UNIT Fa MINOR SM.		0 0	7 + <	0	0	0	?				OPT	
						77.62 AT TOP WK COARSE BD - FAIR SD; GL			77.62										
	78.15				78	BF, D/S 77.95 TO LC -70° BF-SQ↕STRONG GL↕SL	78.12 - LC. OXD 20 DEG		5 +	15 +	0	0	0	TR C.					
						78.12 AT TOP 1-3MM PY VT GRADING INTO 5-15MM SD VT W PY↕GL FAIR OXD			78.12						78.15				
						78.60 4-5CM SULVT - WK BR 20 DEG AT 1CM IN WIDTH SQ↕QS MATRIX WITH WEAK-STRONG GL↕SL↕PY			TR	1 <SD		0	2 <SD QZ						
					79	SW-WK BR = F1↕F2, NOTE SL ASSOC QZ↕GL W SD		70°	78.88 2 +SW <	4 +SW <	0	0	03						
			2.95	90		79.35 <1% SQ VT <1MM - MINOR GL									T9916	1.08	457	0.72	<0.01
						79.80 UC-15MM GL VT; D/S 1/5-10CM.													
					80	1-3MM QZ, QS↕SQ VT W FAIR PY>SL↕GL, LOCAL VT-F1, MINOR F2	45°	70°	<05 <QZ SD	<02 <SD QZ	0	0	1 <QZ SD						
	81.10				81		50°								81.10				
						81.13 COARSE BR (F1↕F2) BF-QZ↕SD WEAK-FAIR; GL>SL			81.13 1 +	3 +	0	0	1 +						
						81.31 1-3-5CM VT; AT TOP QZ>QZ>SD VT W WK SX↕D/S VT ARE SQ UP TO 10MM; STRONG FP, MINOR; WHERE VT STRONG F1 & F2 - SW LOOKS BR			81.31 <65 <QZ SD	2 <SD QZ	0	0	0						
					82	81.90 GL↕SL UC 1CM BR↕LC-4CM BR	20°	80°	81.90 5 +	10 +	0	0	0	0					
						82.15 BRSD↕FAIR TO 2CM BLEB SD; STRONG GL↕SL 1-2% 2MM SD FP-TR GL↕MINOR QZ-PY <1MM VT			82.15										
			3.22	95					63 <	0.5 <			1 <		T9917	2.98	9.24	1.74	<0.01
					83	82.91 - 4CM GL↕SL VM. WK UP TO 5MM SQ VT AT LC 10CM F1↕F2, TO 5MM SQ VT 1/2-3CM W PY↕SL↕CL	60°												
						83.40 UC-9CM FINE PP W SQ BR↕HEAVY GL↕PY↕SL, D/S COARSE BR - 3-6CM CLASTS F1-F2↕QS BR↕GL↕SL UNDU; SILTY D/S	84.36 - 91.30 IL MEDIUM LIGHT GRAY DOST↕DK GREEN GRAY MUDS - DOMP, STRIPED APPEARANCE, SS - FAIR UNIT E		83.40 3 +	5 +			1 1	+				
					84	83.82 UC-D/S 1-6CM COARSE GRADING TO FINE FP W SQ BR↕FAIR - MOD GL↕SL; D/S U FINE BR W WK QZ BR↕STRONG CRACK FILLING SL>GL							0						
	84.32					84.32 SEE NEXT PAGE			84.32						84.32				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-17 Page 7 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH / COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	
		AZIMUTH	SECTION

CERT NO - A9020801 / A9021507

Sym log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE / METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
						1-3% QZ VT > QS VT > SD VT 1-2MM · ∅ MINOR SL/GL & WK.											OPT	
					85	CRACK-DI SL', LC, TRN	40°N	85°N										
						-85.10												
			3.68	90		1-2% SD FR-2MM VT-WK DSDFL-DED: MINOR QZ VT ∅ PY TRACES SL	45°							T9918	0.20	0.38	0.13	<0.01
					90		40°	65°N										
						D/< 8°.5E - 1/20CM QZ-PY VT 1-2MM F1 & F2												
	88.00				95		55°N	85°N							88.00			
							60°N	80°N										
						-89.27 — LC - QZ PY VT, SD DCR D/S												
			3.30	95		RARE SD & QZ-WK PY VT < 1MM	70°							T9919	0.19	0.67	0.20	<0.01
						30.72 — WK CASH < 1-2MM QZ VT ∅ MINOR PY GL	75°											
	91.30					91.33 —	91.30 - 98.70 MEDIUM / LIGHT GRAY MEDIUM GRAY DOST MD.			91.33					91.30			
						91.52 — WK SS COARSE PP - WK BFSD FAIR SL/GL												
						91.88 - 12CM WK F1-F2 COARSE PP SL/GL	WK(?) SM - LOOKS SOMEWHAT CL BUT OVERALL WK VT	25°F2 65°F1	.5	<0.3	<0.3	TR					
						• 6 1.5 SV - 5-20MM QS VT W 8MM F1 VT, SL/GL			< +	< +								
			2.30	100			SM-CL 25°-40°	55°						T9920	1.53	1.69	0.33	<0.01
						93.37 —	93.60 - 96.60 PLANAR SM MOSTLY LIGHT DARK STRIPED		98.37									
	93.60					1.5-10CM QZ VT > QS > SD VT TR 5MM AV 2-3 MM · WEAK-FAIR SL ASSOC ∅ QZ ± QS VT; MINOR CL WHERE SD VT.		20° N F1 50° S F2						93.60				
						94.80 — WK CASH SD	96.60 - 98.70 - UNDULOSE SM: MINOR BAND < 20CM PLANAR STRIPED SM' - THIS MAY BE TRN FROM SM' TO CL	45°N	65°S									
			3.40	100		95.55 — FR SD D/S								T9921	0.56	0.89	0.14	<0.01
								55°										
						1-2% QZ QS ± SD VT < 3MM MINOR PY SL/GL												
	97.00						SM	70°						97.00				
						97.45	98.70 - 101.0 IL TO THIN BED: MEDIUM / LIGHT GRAY											
						3-4% SD FR-VT < 20MM ∅ 2-5M VT-SL > QS, WK-FAIR GL > SL > PY.	DOSE/HR AND DK GREEN MUDS: UNIT E PLANAR -UNDULATING, SS BD.	SM	55°										
			3.0	100										T9922	0.38	0.93	0.18	<0.01
						98.70 1-2% SD FR	45°N	50°N										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-17 Page 8 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO - A9021507

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppm OPT	Cu %
					99	SEE PREV PAGE												
	100.00				100		75°							100.00				
						100.06 PD-COARSE W TO 75% 10MM BLEBS & VT SQ TOWARDS LC												
					101	100.77 STRONG FI BX BR - 45% FI & CRACC 2-7MM IRREG VT'S D. OK CL & CL - 101.55	101.0 - 125.95 UC IN RP & INDISTINCT MED GRAY DOSI/MP. WK SM. FAIR-MOD. BLEB & B.D.BDIN MT - PUZZLE-LOOK LIKE COMBINATION SM-CL											
			3.0	95										T9923	0.51	0.41	0.13	0.01
					102			60° FI / 15° FI										
						2-3% SQ VT TO 20MM AU 2-5MM												
	103.00				103	RARE MOLYBDENITE & CASH CB IS MT & PAR		60°						103.00				
			1.90	100	104			25° N FZ 60° S FI						T9924	0.71	0.39	0.12	0.01
						104.17 WK 1-2% SQ & QS VT < 10MM W 2-3 W WK - FAIR SL > CL > PY SD VT ICR TOWARDS LC	104.90 - 106.35 UC TRN, MED LIGHT GRAY, DOSI/MP. - FAIR-MOD BLEB & VT MT.										
	104.90				105			30° C FZ 60° S FI						104.90				
						105.35 WK ? BP. FAIR SQ BF AT												
						105.70 TOP WITH SL D/S. TR SX	106.35 - MED GRAY DOSI/MP. FAIR-MOD B.BRDN? BLEB MT. UNDULOSE - THIS IS CL - MORE LIKE 100BMAT										
			2.67	100	106	WK SD VT - MOST CB IN MT SP								T9925	0.99	0.46	0.14	0.01
					107		D/S 114.6 LM TO 1CM KHAKI DOMP. OCC PRESENT TO 118.65	70°?										
	107.57													107.57				
					108			45°										
					109	108.80 2-7% SQ VT TO 20MM AU 5-10M		50°	60°									
			3.43	100		108.80 2 BLEB QS TO 4CM, FAIR SL & CL								T9926	0.18	0.34	0.09	0.01
					110			~CL	65°									
						2-4% SD VT TO 8MM AU 1-2MM & OCC TO 4MM QTZ VT TO TR SL, CL												
	111.00				111	- MOST CB IN MT & P - MOD DEVELOPED		~	45°					111.00				
					112			0-45°	75°									
			3.0	90										T9927	0.01	0.08	0.01	0.01
					113			0°	40°									
	114.00				114			0°	40°					114.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-17 Page 3 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE to BEDDING	CORE ANGLE to STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					114												OPT	
					115		CL											
			3.0	100										T9928	0.22	0.39	0.10	<0.01
					116	116.40 –												
	117.00					3-4% 6CM BR. FINE BEDDED QSR 116.27 OCC BLEB SD, WK – FAIR CL>PY	0-10°	50°						117.00				
					117													
						1-2% SD FR; MT SF-MOD SDED – WEAK IRREG FP – WK	5°											
			3.0	100		118.14 – 119.10 – SH – IL DOSI BLACK <1MM MODS								T9929	0.09	0.12	0.04	<0.01
					119		45° N	45° N?										
	120.00				120			60°						120.00				
						122.24 – 122.42 LENSES – 80% TO 6CM SAND OO DOAP – S=												
					121			05° F1										
			3.0	90		119.10 – 121.40 – STRONG BLEB IRR BDD M – CL								T9930	0.05	0.05	0.01	<0.01
					122			65°										
						122.50 – – –												
	123.00				123	2-4% SD VT TO 5MM AV 1-2MM MINOR SLF PY IN SOME VT	121.40 – 123.22 ALT LIGHT & DARK IRREG LM – UTHIN BD CL; DK – LOOKS DOSI CX OO? POSSIBLE IC	70°						123.00				
					124		123.22 – 124.70 OC TRN SI OO DOAP (MED-FINE) ~60-75%; IB CL	50°	20° F2 45° F1									
			3.0	85										T9931	0.04	0.11	0.04	<0.01
					125			80°										
							124.70 – 125.95 – CL DOAR STRONG MT; ICR 60 – WK TOWARDS LC											
	126.00				126			75°?						126.00				
							125.95 – 138.0 IL MED LIGHT GRAY DOSI/AR &	0°										
					127		LIGHT GRAY DOMP; MOD-STRONG RIBBON MT – 128'	55°										
			3.0	95			LC-MOD STRONG MT D/S WK							T9932	0.07	0.16	0.02	<0.01
					128		D/S 128.6 – LOSES STRONK IL DOSI & DOMP; LLM; UNDULOSE – THIS LOOKS SM –	30°										
	129.00				129		BOT UNIT WK – ROCK MOSTLY DOSI/AR V FINE	0°						129.00				

A3021507

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-17 Page 10 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppb	Cu %
					129												OPT	
						129.30 — 129.16-129.66 - SILICIFIED -		15° F2										
					130		0°	55°										
			3.0	100		2-4%-SD VF TO 10MM AVG 4MM F2 ABOVE AVERAGE < F1 bcc F2 WK-SL, GL & PY								T9933	0.05	0.07	0.02	<0.01
					131		0°	60°										
	132.00				132			0°↓30° F2						132.00				
					133		0°	45°										
			3.0	95										T9934	0.06	0.06	0.01	<0.01
					134		0-30°	05° F2 N 70° F1S										
	135.00				135		20°	55°						135.00				
					136		0°	40°?										
			3.0	95										T9935	0.06	0.01	0.02	<0.01
					137		45°	75°										
	138.00				138	138.0 - 196.64 - UC - COLOR CHANGE - BECOMES MED GRAY, DOMP ST - CL - FAIR BD & YC. MT · UNDULOSE CL · CL WEAK-ENS TOWARDS LC	0-20°	50°						138.00				
					139			60°										
			3.0	100										T9936	0.08	0.02	0.01	<0.01
					140		0°	65°										
						140.45 — ICR SD D/S												
	141.00				141		0°							141.00				
						5-15% SD VF TO 30MM AVG 3-8MM.												
					142		0-35°											
			3.0	95										T9937	0.01	0.06	0.03	<0.01
					143		30°	50°										
	144.00				144		0°	60°						144.00				

CERT NO. A9021507

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-B-17 — Page 11 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sual og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					144												0.01	
						144.60 — —	~CL 0°	70°										
			3.0	100	145	2-3%<5MM SDVT-AV 2-5MM								T9938	0.04	0.03	0.01	<0.01
						146.64-147.44 - MED LIGHT GRAY DOMP - ~TROAK COARSE BLEB PY AT LC;	~CL	50°										
						146.50 — — TCR SX IN SDVT												
	147.00				147		30°	25° NPL 65° SF2						147.00				
						147.44 - MEDIUM GRAY DOAP - FINE \ 00 OFTEN SILICIFIED - ROOTS - DOAP WHERE SM-CL ABSENT.													
					148	2-4% SD & SQ VT 1-5MM MOST WK CLOSE DU	~CL	50°										
			3.0	95		MINOR <1CM LM. MED LIGHT GRAY DOMP.								T9939	0.13	0.05	0.03	<0.01
						NOTE * THIS IS ROOTS DOAR - THICK OOLITIC & MT - WHERE SM-CL NOT DEVELOPED	10°											
	150.00				150		20°	70°						150.00				
						150.04 - 151.20 - IL SI OO DOAR & LIGHT GRAY LM DOMT												
						150.80 — — F2 LOW & QZ DS, SQ VT												
					151	10 10MM AV. 5MM @ SI CLOSE, F2 IPDEC & DISPLACED QV	~CL	20° F2										
			3.0	100		151.20 - 152.94 - MED GRAY OO DOAR (FIED) - PATCHY WHITE SI ~25%;		15° F2S 45° F1S						T9940	0.21	0.32	0.10	<0.01
					152	152.13 — — —												
						152.94 - 153.24 - MEL LIGHT GRAY DOAR - MOSTLY 100% OO. FAIR PATCHES & LENSES SI. WK LM LIGHT GRAY DOMP												
	153.00				153	2-4% SD VT TO 10MM AV 3-5MM MOSTLY F1, OCC WK SX	~0°	55°						153.00				
						153.24 - 154.57 - IL SI OO DOAR & DOAR/FINE) WITH LIGHT GRAY DOMP - HAVING WK SM.	~0°	75°										
			3.0	100	154									T9941	1.00	0.26	0.08	<0.01
							~0°	65°										
					155	154.57 - 155.15 - MED GRAY LM DOAP & DOMP - SM												
	156.00							20° F2S 70° F1S						156.00				
					156	155.15 - 156.83 - MED GRAY OO DOAP (MED-COARSE SAND) - ~60% PATCHY SI													
					157		0°											
			3.0	95		156.83 - 157.53 - MEDIUM LIGHT GRAY DOMP W WK LM OF OODOAR. DS DOMP WEAKEN & OODOAR								T9942	0.14	0.16	0.08	<0.01
					158			10° F2N 70° F1S										
						DOMINENT; DOAR-WHOLE X LM & SS; FAIR MT IN DOM												
	159.00				159									159.00				

DEPT NO-A9021507

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-17 Page 12 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO. A 9021507

Sect og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/mt	Au %
					159	159.25 – F2 (LOW%) SD & QS VT TO 10 MM; LOCAL STRONG CL	157.53 – 158.86 – DARK GRAY OO DOAR (MED SAND) – PATCHY ST. ~ 50%		0–20° F2									OPT	
					160				20° S F2 15° S F1									
			3.0	100		160.60 – 10° TO 5 MM SD VT AT UC, D/S DCP TO 2 1% 1-3 MM @ 1-7 MM	158.86 – 159.30 – MED LIGHT GRAY DOST/MR – WK SM	0°						T9943	0.23	0.35	0.10	<0.01
					161		159.30 – 162.38 – MED GRAY OO DOAR / MED SAND – IN PLACES FL WITH KHAKI DOMR; LOMR SS, LENSY BD		50°									
	162.00				162			30°	75° N					162.00				
					163		162.38 – 163.60 DARK GRAY DELICATE LM DOAR – WK – FAIR	10°										
			3.0	100			LM (BO) SP-MT WITH MIDDLING BAND OF OO DOAR W LENSES & LM OF LIGHT COLORED SS DOMR – WEAK SM;	10-30°						T9944	0.13	0.13	0.08	<0.01
					164													
	165.00				165		163.60 – 167.44 DARK GRAY FINE OO DOAR W OCC TO 2 CM BAND OF MEDIUM LIGHT GRAY DOST/MR; COARSENING D/S; <2 CM PATCH SI NEAR LC;		70°					165.00				
					166													
			3.0	100			D/S 166.74 TO LC – CONTORTED LM – VT BEDS OF MED LIGHT GRAY DOST/ME BECOME COMMON;	35° 0-10°						T9945	0.06	0.08	0.13	<0.01
					167			10°										
	168.00				168		167.44 – 173.35 – DARK GRAY DOST/MR – V THIN (1-2 MM) IL BLACK & LIGHT GRAY (REXL DOST; FAIR FINE LM-SP & VCUT SP-MT; OCC <0.3 M BAND OF MASSIVE MED GRAY	~0°	70°					168.00				
					169			0°	60°									
			3.0	100			DOMR, W HEAVY MT-CL UNIT 1 M SM W BAND OF CL							T9946	0.05	0.26	0.25	<0.01
					170		FRV DISTORTS LM OR IS THIS MC + FRV	0°	65°									
	171.00				171		173.35 – HW CUT OO DOAR UNIT	~20°	70°					171.00				
							173.35 – 174.40 – MED GRAY DOST/MR – WK – FAIR FINE RIBBON MT & D/S TO LIGHT GRAY DOMR – CL TI & V THIN BEDS	70°										
					172				75°									
			3.0	90			OO DOAR (FINE – MED SAND) –							T9947	0.08	0.13	0.10	<0.01
					173	173.15 / TCP SI VT D/S MORE COMPETENT UNIT	OCC SI LENSE	30°	70°									
	174.00				174	5-7% SD VT TO 25 MM AV, 3-5 MM	174.40 – 175.30 – MED DK GRAY OO DOAR (FINE – MED) SLIGHT FINNING D/S; OCC LENSER PATCH ST;	30°	60°					174.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 908-17 Page 13 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Soil	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Au o/z
					174													
						NOTE - STRONGER SD VT IN MORE COMPETENT UNITS												
					175	175.0												
			3.0	85		3-5% SD VT TO 20MM AV 2-4MM OCC WK SL-CL IN WIDER VT HIGHER SD IN COMPET UNITS (DOMAIN)		45°										
					176		0-10°							T9948	0.35	0.66	0.16	<0.01
	177.00				177			55°						177.00				
			3.0	80	178		20°	20° F2						T9949	0.20	0.25	0.10	<0.01
	180.00				179	178.80	25°							180.00				
			3.0	95	181			10° F2S 60° F1S						T9950	0.34	0.53	0.22	<0.01
	183.00				182			70°						183.00				
					183			35° N F2 70° S F1										
					184	183.85 - D/S DCR SD & SX		10° F1 45° F1S										
			3.0	80		1-2% SD VT TO 3MM								T9951	0.40	0.74	0.25	<0.01
					185		0-30°	55°										
	186.00				186			70°						186.00				
						186.38												
					187	1-2% TO 3 MM SD VT. 1/15m												
			3.0	100		10-30MM AV 15MM SD VT @ FAIR - STRONG CL + PY								T9952	0.62	1.32	0.28	<0.01
					188			65°										
	189.00				189	186.80								189.00				

175.30 - 175.47 - THIN LM BLACK MUDS/DOMP & LIGHT GRAY DOST CARBPCK - UNIT A - SIMILAR TO D/S 167m BOT LACKS OR V WK SM;			
175.47 - 176.44 - PALE KHAKI DOMP - MUDS IN LM - OF CL. AT TOP & D/C D/S;			
176.44 - 185.10 MED DK GRAY OO DOAP (MED-COARSE) & FINDING. D/S; FAIR LENSES & PATCHES SI;			
178.0 - 179.0 UP TO 6CM BD OF MED LIGHT GRAY DOST/MR WITH WK. RIBBON & BLEB MT-CL?			
181.0 - 183.70 - FINDER OO ICR SI & ~20% IL - TB			
MED LIGHT GRAY. DOMP - WK BD & C <0.5MM OZ - SM?			
183.70 - 185.10 DARK GRAY OO DOAP - (MED-COARSE)			
185.10 - 186.50 - AT 10C - MED LIGHT GRAY DOST & BLK MUDS LM & GRADES INTO MED GRAY DOMP W FAIR BD SP-MT; LOOKS WELL LM SM - UNIT B			
186.50 - 187.45 - DARK GRAY OO DOAP (MED-COARSE) NOW SI			
187.45 - BASE OF OO UNIT			
187.45 - 188.67 - LIGHT OLIVE GRAY DOST/MR DELICATE BLK LM - VT SP - WK SM; BIDDING			
25CM BAND - BLK LM - STRONG SM.			
188.67 - 189.35 - LM BLK SILTY MUDS & LIGHT COLOR DOST - CAPROCK - UNIT A			

CERT. NO - A9021507

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-17 Page 4 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO-A

Geol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
					189	188.35 - 193.04 - MOSTLY MED DK GRAY DOST W RIBBON											OPT	
					190	1-2% SD VT - TO 20MM. RARE WK SX. LM2XC. SP-MT (WORMY) - CL GRADING INTO ABOVE - FINE SH LM - DOSI/MP. OCC ALMOST COMPLETE DD ON BEDS IN NORTH	0°	70°							T9953	0.32	0.88	0.20	<0.01
		3.0	80		191	190.80 - 191.55 - MED LIGHT GRAY, DOMP. - OCC U WK SM.												
	192.00				192			25° F2-S 70° F2 S						T9954				
						192.40 - 10% OXD SD VT TO 25MM												
					193	192.70 -		65°										
		3.0	90			1-2% SD VT FR - 5MM W 1-2MM												
						193.04 - 194.77 MED LIGHT GRAY DOMP W WK-FAIR FINE BLEBS, RIBBON SP-MT - CL UNIT 'C'	55°	75° F1 15° F2							T9954	0.49	0.10	0.04	<0.01
					194	AT 194.40 - FR OXD - HW FAULT ZONE												
						194.40 - D/S CORE BROKEN - FR W CX.												
	195.00				195	194.77 - 196.50 - LIGHT GRAY DOMP. ACC LM OF BLACK MODS NEAR LC - UNIT Fb; NOT SM	05°								T9955	0.57	0.20	0.06	<0.01
					196	<1% SD VT <1-2MM												
		3.0	90			196.50 - 196.75 - FAULT? 70-25° X; BR W STRONG SD;	10°											
					197	FAULT? 25°-70°												
						196.75 - 196.90 - MED GRAY DOMP. W FAIR-MOD RIBBON LT	55 10°?	70°										
						<1% SD VT <1MM												
	198.00				198	UNIT 'D' - 196.90 - 197.40 SI GOD ORE (MED-COARSE)	10°								T9956	1.28	0.70	0.27	<0.01
						197.40 - 197.70 - UNIT 'D'												
					199	199.63 -	20°	70°										
		3.0	90			197.70 - 203.50 MEDIUM LIGHT GRAY DOSI/MP - WK LM - FLAT SH - UNIT 'B' LC - VAGUE												
					200	HIGHLY FR - F1 & F2 (LOWER) FR; CH ON FRC. V WK <B FP INT												
						198.12 - 199.0 - MED DK GRAY DOMP. - UNIT Fb.												
	201.00				201	200.71 - STRONG OXD - LC FAULT ZONE	0°	65°							T9957	0.26	0.20	0.06	<0.01
						201.05 - D/S FRX ROCK.												
					202		0°											
		3.40	100			<1% SD VT, FR & <3MM VT OCC W FAIR SL-PY & CL-PY												
					203		0°											
					204		0°	50°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-17 Page 15 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
HOLE STARTED	COMPLETED	DIP	SECTION
		AZIMUTH	

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
	204.40				204	204.44 — — UC - 35%			204.44									
						A A $\frac{1}{2}$ BR - STRONG CL - 3CM AT UC; TOWARDS LC - STRONG SL > PY > GL - FAIR BIGBOT			15 +	15 +	0	0	3 +	204.40	— — —	—	OPT —	— — —
						A 204.73 — SD — WEAK - FAIR — — LC - 50% SI			204.73									
					205	205.01 - 4CM. QSVN - FAIR PY > CL > SL		55°										
		7.20	100						1 <	1 <			05 <	T9958	2.25	3.70	0.58	0.01 <
						2-4% QS & 3D VT < 3MM WEAK UC - 15CM WK BR E1, E2 FAIR OCC STRONG CL > SL	203.50 - 207.0 - MED GRAY DOST/MP - VARIES FROM NON LM WITH FAIR-MOD RIBBON MT TO LM VARIETY - DIS 205.2											
					206			55°										
	206.60					— 206.60 — — —			206.60									
					207			30° F2										
		1.40	90			< 0.5% QSD FR - OCC 6MM SQV	TO LC - LIGHTER COLOR & STRONG BLEB & FINE RIBBON MT. UNIT 'C - D'							T9959	0.45	0.29	0.06	0.01 <
	208.00				208		207.00 - 208.66 - MED LIGHT GRAY DOST OCC U FINE LM BLACK MUDS - DOMP - UNIT FA - INTER SM - CL UNIT	10°						208.00				
						208.70 — —		10° 30° F2										
		3.0	95		209	TO 2MM F2 (0-40%) VT W WK - FAIR CL PY > SL	208.66 - 210.48 - MED GRAY - DOST/MP - STRONG PERVASIVE SP - MT AT TOP GRADING DIS TO MED DK GRAY W FAIR SW - SP - MT ; UNIT 'C-D'							T9960	0.75	0.56	0.13	0.01 <
						209.87 —		40° F1										
					210	1-3% SQ FD - 8MM AV												
	211.00					1-2MM MOST IRREG; OCC WK CLOSE USUALLY IN QSVT - F2 VT	210.48 - 210.90 - TI LIGHT DOST & BLACK DOMP - CAPROCK UNIT 'A'	5°	50°					211.00				
					211													
							210.90 - 211.38 MED LIGHT GRAY DOST - UNIT FA AT UC - MINOR QG & CLAST < 3CM SI SM	40°										
		3.0	85		212									T9961	0.11	0.50	0.16	0.01 <
								20°	75° S									
						213.50 — —	211.38 - 212.25 - MED LIGHT GRAY & MED GRAY MOTTLED STRONG SP: U FINE MT = UNIT 'C'											
	214.00				214			0°	75°					214.00				
							212.25 - 213.85 - MED LIGHT GRAY DOST/MP - WC BABELY NARROW LM WELL DEV UNIT 'B'	05°	50°									
					215	V WK (< 0.5%) SD < 1-2MM VT												
		3.0	90				213.85 - 215.30 - STRONG LIGHT & DK LM DOST/MP - SM - UNIT 'B'		70°					T9962	0.09	0.27	0.11	0.01 <
					216													
	217.00				217		215.30 - 216.34 MED LIGHT GRAY - MED GRAY DOST/AR - STRONG PERVASIVE SP - MT - VARIETY UNIT 'D' - 'C'							217.00				
						217.45 — — — 15MM QSVT W STRONG CL V WK SD												
					218													
		3.0	80				216.34 - 218.50 - MED LIGHT GRAY DOAP - U STRONG SI MT BLEBS - UNIT 'D'?							T9963	0.21	1.65	0.49	0.01 <
						218.65 — 1-3MM QZVT W WK CL > PY.		40°	70°									

CERT. NO. A9022044

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-17 Page 16 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppb	Cu %
					219												DDH	
						219.48		218.50 - 222.0 - ~95% SI LOOKS TO ORIGINALLY BE LT LIGHT GRAY, DOMP & DARKER COLORED DOSI - UNIT E										
	220.00				220	VV WK SD VT (<0.5%)		25°						220.00				
					221			35°										
			3.0	80										T9964	0.05	1.40	0.34	<0.01
					222	TOWARDS LC - OCC VT Ø MINOR - FAIR PY		222.0 - 221.74 LT - DELICATE LIGHT AND DARK COLORED DOSI. MR.; UNIT F; FAIR - MOD SI - WHITE & BLACK CHERT;										
	223.00				223									223.00				
						-223.42 - 10CM QZ VN												
					224	224.26 QZ VT ICR TOLC		221.74 - 224.40 - LIGHT GRAY. 60 DOAR/FINE - MED \ @ OCC < 10CM BAND OF LIGHT GRAY DOMP. & LT LIGHT TO DARK LT DOMP.; STRONG - MOD SI;										
			3.0	80		-224.40 - UC ALT. VOLCANIC.								T9965	0.08	1.44	0.28	0.02
					225			60°										
								224.40 - UC ALT VOLCANIC 70% TO IRREGULAR, CNT CHILLED KHAKI COLORED, V FINE PHN IN APHANITIC MATRIX										
	226.00				226			55°						226.00				
						WK PY & TR CP ASSOC WITH WK CASH VT <1MM SV; Ø <1MM QZ VT'S IN SQ VT <1CM											
					227			65°										
			3.0	95		U WK DI PY CENTERED ON V FINE ALT PHN		224.0 - 248.85 ALT UOLC. LIGHT COLOR, WK SUP ALT OCC. BLEBS - Ø FINE PY - ALT V FINE <0.5MM PHN OFTEN Ø LI IN A LIGHT GREEN GRAY FINE GRAINED MATRIX;						T9966	0.01	0.02	0.01	0.03
					228			50°										
	229.00				229			70°						229.00				
					230			70°										
			3.0	75										T9967	0.01	<0.01	0.01	0.04
					231			80°										
	232.00				232			70°						232.00				
					233			65°										
			3.0	80										T9968	0.01	0.01	0.03	0.13
					234			70°										

CERT NO - A9022044 & A9021803G

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-17 Page 17 of 15

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO-A9022044

Visual log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					234													
	235.00				235	AS PREVIOUS		55°						235.00				
					236			75°										
			3.0	100										T9969	0.01	<0.01	<0.01	0.03
					237			75°										
	238.00				238			70°						238.00				
					239			75°										
			3.0	90										T9970	0.01	0.01	<0.01	0.03
					240			70°										
	241.00				241			65°						241.00				
					242			75°										
			3.0	90		242.45 - TCB QZ, QS & SD VT D/S								T9971	0.04	0.06	0.01	0.04
					243	1-2% LOCALLY 7-10% VT 1-10MM AV 2-3MM OF SD? QS & QZ, QZ VT		65°										
	244.00				244	OCC WK-FAIR DY.		65°						244.00				
					245			70°										
			3.0	90										T9972	0.01	<0.01	<0.01	0.01
					246	246.37 2-3cm QZ, QS & SD VT		50°										
	247.00				247	246.76		60°						247.00				
						2-3% QZ TO 10MM VT AV 3-5MM	248.65 - 248.85 - SH 50FT HIGHLY ALT - LC ALT VOLC 60° X											
					248			60°										
			2.07	90			248.55 - 249.0 - SHEBE ALT VOLC - CHILLED & COUNTRY ROCK							T9973	0.01	0.06	<0.01	<0.01
					249	249.0		60°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-17 Page 18 of 19

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

GEOT. NO-A 9022044

Lithology	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
	249.07				249	249.00												
						249.0 - 250.24 - MOTTLED WHITE (SP) & DARK COLORED (FM) - DOAR (FINE-MED) ∞ A FEW NARROW BAND OF LM DOMP(?) HEAVY PATCH SL; 2-3% IRREG BLEB VTR FR SD <10MM WK SL>DM>GL IN 30° FR (F2 FRV) DT IN 2-3CM PATCH WHERE FR		10° F2							249.07			OPT		
			2.33	95	250									T9974	0.27	0.36	0.07	<0.01
					251	250.85		50°?										
						250.24 - 251.60 = MOTTLED LIGHT GRAY & MED GRAY DOAR (FINE-U FINE); HIGHLY FR & STRONG SP - SD; LOOKS REAL OOLITIC. UC - START HIGHLY FR D/S; 10-15% IRREG BLEB CASH & VT SD & SP											
	252.00				252			40°?						252.00				
					253	253.0												
			3.0	85		251.60 - 252.85 AS ABOVE TO HEAVY PATCHY ST TCR D/S; 2-3% IRREG FR BLEB & VT SD TO <30MM AV 2-3MM									T9975	0.12	0.22	0.05	<0.01
					254	D/S 254.51 - STRONG FR	25°	75°										
	255.00				255	AT 255.2 - WEAK BREAP								255.00				
						252.85 - 255.95 MEDIUM / LIGHT GRAY DOMP TO OCCASION). LM < 6MM DOMR; D/S 254.51 - STRONG FR; 255.75 - 12CM QZ VN											
					256	MAIN BREAP - SZONE - SH - 80° X, BP												
			3.0	75		256.50								T9976	0.13	0.15	0.03	0.02
					257	256.85 - HIGHLY SH FR; 257.0 - 1CM QUOCE - STRONG BREAK												
						255.75 - 258.10 MEDIUM LIGHT GRAY DOSI												
	258.00				258	HIGHLY FR - MINOR FR PHYSL								258.00				
						258.10 - 259.85 MED GRAY DOSI/MP W FAIR-MOD LOOSELY RIBBON MT - UNIT 'D'												
					259	258.20												
			3.0	80		2-3% IRREG VT SD; STRONG SP TRACES FR SL								T9977	0.28	0.23	0.07	0.01
						259.85 - 262.90 MED LIGHT GRAY DOMP - WK SM; D/S MED GRAY LC OF STRONG SM												
					260	260.00												
						261.15 - 262.80 MED GRAY LM DOSI/MP - SM FNR RIBBON MT - UNIT 'B'												
	261.00				261	2-3% BLEB & FR SD & SP WK FR & DT SL - USUALLY CONC IN <5CM BANDS PYTCP D/S								261.00				
						261.95 - 262.3 - AT TOP AT TOP LIGHT COLORED DOSI/MP, WK MT & ON LC 2CM CAPROCK SI DOSI												
					262	261.90 BP - WK 10-15 BLEB VT SD	40°	20° F2?										
			3.0	95		262.20 MOD BF SL - 8%, SLIGHT TO LC								T9978	1.43	0.79	0.22	0.01
					263	~5% SD FR BLEBS & VTS & D/C D/S. D/S UC - 30CM FAIR FR. SL & D/S RARE WK FR SL		55°										
	264.00				264	262.80 - 273.0 AT TOP MED GRAY SM DOAR (SP REV) D/S TCR STRIPED APPEARANCE TO LIGHT GRAY DOSI/MP-NON-LM UNDOLOSE;	0°	45°						264.00				

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-17 Page 6 of 9

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sual og	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					264													
					265		0-30°											
			3.0	75		265.50 — — — AT TOP FI 5MM SLVT, D/S FIZ VT & PY;								T9579	0.37	0.14	0.05	<0.01
					266	266.00	0°	0° FZ 70° FZ										
	267.00				267		5° SM	55°						267.00				
						1-2% SQVT TO 8MM AV 1-3MM FAIR-MOD SL PY GL IN VT SPACED 1/1M;												
					268		0-20°	70°										
			3.0	95		273.0 - 274.32 MED GRAY DOAR OCC <3CM. ST & THIS DOAR BEXL 00?. D/S 273.7 - OCC. <2CM BAND 5M;								T9580	0.17	0.10	0.02	<0.01
					269		0-30°	20° FIN 70° FZS										
	270.00				270	270 — — — —	0°	55°						270.00				
						5-30MM SDVT SPACED 1/0.5-1M & <1-2MM FRSD 1-2% OCC FR PY.												
					271	271.15 — — —	0-28											
			3.0	90										T9581	0.33	0.17	0.05	<0.01
					272	1-2% SD VT; WK-8MM VT & 3-4MM OCC 1/0.5m SQVTW FAIR SL > GL > PY.	10-35°	50°										
	273.00				273	273.15 — —								273.00				
						BANDS 10-25CM BRW SDBF AT LOWER BR - MINOR PY-CP TYPICAL NONSX-BP SEEN IN SZONE								T9582	0.04	0.05	0.12	0.02
	274.32		1.32	95	274	274.32 END OF HOLE								274.32				

CEET-ND-A90-2044

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-18 Page 1 of 11

ELEVATION 1692.35 | DRILL CONTRACTOR E. CARON | CORE SIZE NQ | TOTAL DEPTH (m) 198.44

COORDINATES 19,852.14N; 10,306.64 | LOGGED BY M.P. PHILLIPS

HOLE STARTED AUG 13/90 | COMPLETED AUG 15/90

SURVEY/DEPTH	COLLAR	195			ZONE 2,729
DIP	-52°	-51°			
AZIMUTH	035°				SECTION 10,300E

CERT NO - A9021836 & A9021278

Sample log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	Rock type METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t OPT	Cu %
					0	CASING 0-3m												
					1													
					2													
					3	3.0												
	4.00					3.0 - 8.35 LIGHT GRAY TO MED LIGHT GRAY DOMR -UNWK STRIPED - FAINT PALE GREEN <1MM MODS PARTINGS UNIT FD.												
					4		60°							4.00				
					5	RARE SQ VT -5-10MM	65°											
			3.0	75										T9983	0.03	0.02	0.01	<0.01
					6		75°											
	7.00				7		75°							7.00				
					8	7.95	8.11 - 8.35 - SILOOBOAR (MED-COARSE SAND)	60°	50°N									
			3.57	70	9	<1% QS<2MM & SQ TO 10MM VT WIDE SPACED 1/0.5-1M TO 10MM VT @ WK-FAIR CL/LI/SL FAIR OXD	8.35 - 15.10 MED LIGHT GRAY DOSI/MR @ WK-FAIR LN-BD - XCBD / FINE QZ - WK SM. D @ 13.0 OCC TO 13CM PATCHY ST UNIT B OK INTERSH UNIT FD		55°					T9984	0.37	0.91	0.29	<0.01
	10.57				10			45°	65°S									
					11	10.65 - 10.80 - 11.30 - $4 COARSE BR - STRONG OXD LI/PY/CL $4 (1-3CM) QS & SD VT 1-5MM AV 1-2MM		65°	55°S	10.65 / 0 10.80 0.5+	0	0	1+		10.5				
					12	1-2% QS & SQ VT ED - 5MM AV 3MM ALL WK-FAIR SL/CL		65°	40°S									
			3.43	80										T9985	1.61	0.54	0.34	<0.01
					13		15.10 - 16.37 - MED DK GRAY DOMR STRONG BLEB & WEAKER RIBBON MT (WORMY) UNIT Y NOTE OCC SEE ROCKS SIMILAR TO 8.35-15.0M	45°	65°									
	14.00				14	13.93 - 1/2 SV - WERP - WEAKLY D/S 14.20 - SV TO 10MM; SL/CL		70°	55°N	13.93 / 14.20 2 <SV	0.3 <SV			TR	14.00				
					15	SEE NEXT PAGE		40°	65°	65 <	D1 <			TR					
			3.0	95										T9986	1.25	0.86	0.30	<0.01

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90 B-18 Page 2 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE TO BEDDING	CORE ANGLE STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
				15	16.37 - 17.00 DK GRAY TO BLACK SI OO DOAR (MED-COARSE)											OPT	
					11 3.70m SV 3-10mm RARE 30mm SV: QS-VARROWED 1 SQ WIDER SL>>GL												
				16	SV-ICR D/S 15.5m		55°										
					BANDS TOWARD LC - UNIT OO												
17.00					17.0 - 18.0 - IL TO VTHINBD (LC) MED LIGHT GRAY DOMR - SM WK	45°	50°S							17.00			
				17	& MED GRAY GRIT-GRANULE DOAR - MIXTURE OO & COUNTRY ROCK												
				18	17.90 - - LC - WK MIN/Z ZONE?	65°		17.90									
		3.0	90		<1% SD. I - TO 10mm AV <3mm OCC MINOR GL								T9987	0.26	0.42	0.14	<0.01
				19	18.86 - 19.05 - SI OO DOAR (MED-COARSE)	70°											
					18.0 - 18.86 - MED DK GRAY AT TOP & LIGHTER COLORE D/S AT TOP STRONG XL DOMR & D/S ICR BLEB (FINE) & RIBBON MT - UNIT 'C' - UNIT 'B' AT TOP	70°											
20.00				20	20.20 - -									20.00			
					25-30cm FG (30-40°) 3-5M QSI SQ VT @ WK GL>SL		30° F2's										
				21		40°											
		3.0	90	22	21.25 UC - 3cm COARSE BP - HEAVY SL - WK GL D/S 10cm SS SV - AV 10mm GL>SL>>PY 21.65 - -	19.05 - 20.00 MED GRAY STRONG XL DOSI · OCC. <2cm BD - GRIT-GRANULE DOAR AT LC TC - COARSE SAND-GRANULE UNIT 'E'			21.25 <1 SV	2 <2 SV		TR <SV		T9988	0.73	0.95	0.35	<0.01
								21.65									
					1-2% QSI SQ & SD VT 1-2mm W. WK SIL-GL	20°	55°S										
23.00				23	23.0 - - -	20.0 - 23.16 - MED LIGHT GRAY DOSI - MED BD OFTEN STRONG SI (QZ SAND) · OCC <5cm BANDS · BD PAC - UNIT 'E' QZ - SM?? - UNIT 'F' · OCC. <3cm CHERT LENSE	60°								23.00				
				24	23.16 - 29.80 MED DK GRAY STRIPED IL DOSI (SI - MOD STRONG) AND DOMR. PALE GREEN AT TOP & BLACK D/S - MUDS. SS UNIT 'E' OCC. DI PY	45°	40°S										
		3.0	100										T9989	0.05	0.21	0.10	<0.01
				25		50°											
26.00				26	D/S 26.35 - STRONGER FI & OXD - UC	55°	50°S							26.00			
				27		25°											
		3.0	80		27.30 - - - 25CM WK FINE-COARSE BP - OXD; PY XXGL								T9990	1.12	1.54	0.98	<0.01
				28	STRONG <2mm QZ EYES VT 2 OCC. 7 10mm SQ VT W FAIR SX - 2 DCR D/S: 3-5% VT	50°	75°S										
29.00				29	29.90 - LC - OXD - - - 1 10-20cm. 1-20mm AV 3-4 QSI SQ VT W OXD SX FAIR GL-SL	29.90 - 32.20 - MED LIGHT GRAY DOSI MB. W FINE WISPY FAINT LM & XCUT - 5M' NEAR LC BECOMES DOMR. UNTB FLAT 5M	80°								29.00				
				30	30.0 - -		60°										
		3.0	70										T9991	0.13	2.63	1.04	<0.01

CERT NO-A9021278 & A9021836

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 80 B-18 Page 3 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
				30													
				31	40.3% QSVKD FP BAND WEAK CL; FAIR LT NEAR LC - SHEAR?												
32.00				32									32.00				
					32.20 - 33.35 - MED LIGHT GRAY XL DOST AND BLACK MUDS; UNIT E													
				33		20°	75°S										
		3.0	80		33.35 - 35.52 AS @ 32.60 MED LIGHT GRAY DOST COARSE - V FINE DOAR) W FAIR - MOD WAVY WISPY LM & YC - V FINE QZ; SM? OR IS THIS BOOTS DOAR W BEDS IL DOSI DOMP								T9992	0.14	0.16	0.10	<0.01
				34	34.10 - - - 3-5% <3MM AU 1-2MM QZ2 QS VT & OCC 5-8MM SD VT; TR - WEAK SLYCLE PY	25°	70°S										
35.00				35	OCC <3CM CHERT	70°							35.00				
					NEAR LC PY-LIQZ VT <1-2MM COMMON												
				36	36.00 - - -												
		3.0	100		1/20-30CM QS2 SD VT TO 10MM W WK - FAIR CL; MOST OXD	15°	70°S.						T9993	0.11	0.04	0.24	<0.01
					36.53 - 36.85 - SI OO DOAR (MED SAND)												
				37		35°	45°S										
					37.35 - - -												
38.00				38	1-2% QS VT TO 5MM AU 2-3MM WITH WK-MOD SI								38.00				
					36.85 - 40.45 - MED LIGHT GRAY TO MED GRAY DOAR (FINE-V FINE) WK WISPY V FINE LM TO LM-SW (& BD)	FRV 20-80°	65°S										
				39	V FINE SI; OCC <CM OO DOAR - SLY NEAR LC - UNIT E - DOAR - (PREV CALLSH IN THIS HOLE)	60°	50°S						T9994	0.34	0.20	0.13	<0.01
		3.0	100														
				40		40°	60°										
					40.45 - 42.00 LIGHT & DARK GRAY DOST STRIPED												
41.00					40.60 - - -												
				41	IRREG - XL; UNIT F2 LOWER CUT - TRN	60°	65°						41.00				
					8/325M SV - 5-15MM AU 8-10MM 1 SL>7 GL&PY, SV USUALLY 2-3/25CM;												
				42	42.00 - 45.32 - MED DK GRAY OCC BANDS MED LIGHT GRAY STRONG BLEB & RIBBON MT (WORMY) - CL - UNIT C	40°	45°										
		3.0	100										T9995	0.71	0.30	0.25	<0.01
				43		~CL 35°	70°										
					45.32 - 45.88 - DK COLORED SI OO DOAR - (MED SAND)												
44.00				44	43.85 - - -	~ 0°							44.00				
					<1-2% SQ VT 1-3MM & 1-2/1.5M TO 10MM VT TO WK SX OCC STRONG SV SL>CL>PY VTS IRREG	45.88 - 47.88 MED DK GRAY DOST - STRONG YL? - DIFFICULT TO SEE FRV COARSE DOAR TOWARDS LC UNIT F												
				45			65°						T9996	0.54	0.37	0.26	<0.01

CERT NO - A9021836

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-18 Page 4 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)	
COORDINATES	LOGGED BY	SURVEY/DEPTH	COLLAR	ZONE
		DIP		
HOLE STARTED	COMPLETED	AZIMUTH		SECTION

Incl deg	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag oz/t	Cu %
					45	NOTE VT - BEST DEV IN COMPETENT UNIT IS CL & DOAR											OPT	
					46	47.65 - 47.85 - MIXED OOB & UNIT BELOW - TRN	40°	80°										
	47.00				47		25°	70°S						47.00				
					48	NEAR LC PY-LT IN VT		48										
			3.0	100										T9957	0.20	0.20	0.14	<0.01
					49	49.00		05 F2										
						PY-LT CASE FR COMMON	48.35 - 49.73 - MED DARK GRAY DOAR (FINE-U FINE) THICK BED - LOOKS GX 00) A FEW LENSES 2-2 CM SI 00 DOAR											
	50.00				50	50.0	UNIT F (DOAR) - FINNING D/S - TO DOSI	70°?						50.00				
					51	VV WK SD (<0.1%)	49.73 - 53.88 - LT-MED GRAY SILT - DOSI & DARK GRAY MUDS; TL - V THIN BD STRONG SS, XL & FLASER LM UNIT 'E'	70°										
			3.0	100										T9958	0.02	0.04	0.03	<0.01
					52			25°	55°									
	53.00				53		53.88 - 55.88 MED GRAY DOMP - WK W/SPK LM - OCC SP W PLACES WK MT - UNIT 'E' D/S 55.30 - FRY = H; CAN SEE OCC DEFINITE SH & WK MT MINOR <3 CM SI 00 DOAR	55°						53.00				
					54	53.60 - D/S ICE FR & SD	ES 88 - 56.39 MED LIGHT GRAY DOSI/MP W WK BD & XL W/SPK, WAVY SI <0.5 MM - SH??	0°	55°S								
			3.0	100		<1% TO 3 MM SD VT - HOST <1 MM FR								T9959	0.39	0.28	0.12	<0.01
					55	55.70	56.39 - 62.90 AT TOP DK GRAY DOMP W WK BD MT ICR TO UST BONC AT 58.60 GOOD CL UNIT 'C' - RIBBON	40°	70°S								
	56.00				56	± Δ 55.88 BR, +AT TOP LOOKS MT-SP AT LC 2-3 CM FINE BR-OXD-WK CL	BD TO 2 CM; UNDULOSE CL	10°	60°S					5600				
						2 - TO 10 MM SL VT 56.07	58.65 - LC - HEAVY BD MT D/S - FINE RIBBON MT											
					57	2% SD MOSTLY <2 MM SQ W WK SX ~1% TO 10 MM SQ VT - WK-FAIR, SL Y CL	WHICH D/S BECOMES FAIR - MOD SLEB MT SP - TO 5 MM	45°	60°S								
			3.0	95			NOTE - SH? - IRREG WAVY U FINE SI BD & YC							T10.000	0.72	0.26	0.12	<0.01
					58	58.00		~CL 0°										
							62.90 - 63.33 - SI (X) DOAR (FINE											
	59.00				59	SQ VT 5-30 MM AV 5-8 MM 1/20-50 CM; MIL OXD - MINOR CL		50°?	50°					59.00				
					60			30°	60°S									
			3.0	95										T10.001	1.24	0.85	0.59	<0.01

CERT NO. A9028836

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90-B-18 Page 5 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					60												OPT	
					61		25°											
	62.00				62	61.87	45°							62.00				
						63.88 - 65.40 IL & IB (V THIN) MED LIGHT GRAY DOMP & DOSI TO DOAR (FINE-MED); D/S DOMP to DOSI & RL OF DOAR - (COARSE SAND TO GRIT) RARE PARTING BLACK MUDS; UNIT F												
			3.0	100	62	<1% COARSE QTZ TO 5% QS2SQ VT 1-4MM AV 1-2MM; OCC VT WEAK MIN ZSL, MOST MINOR SX		60°						T 10,002	0.25	0.29	0.30	0.01
					64	64.15	30°	70°S										
	65.00				65	<0.3% SD VT <2MM	20°	60°S						65.00				
						65.40 - 66.50 MED DK GRAY DOMP & D/S BECOMES IL DOMP & DOSI; D/S 66.20 WK HT & LOOKS SH; UNIT 'E' AT TOP & UNIT 'B' AT BTM CNT												
					66		45°	60°										
			3.0	100		66.46			66.46					T 10,003	0.79	0.17	0.12	0.01
					67	6-8% SR NT 5-15MM; AV 10MM; PART OXD - MOD-STRONG SL; 66.87	66.50 - 67.00 - MED GRAY AT TOP & MED DK GRAY TOWARDS LC; DOAR ca 60 (REXL) FINE DOAR UNIT E	30°	70°	2	<SD	0.3	<SQ	0				
									66.87									
	68.00				68	V WK <0.3% SD VT 1-2MM		50°S						68.00				
							67.00 - 67.43 - 3% COARSE DOAR (MED SAND)											
					69			55°S										
			2.9	95			67.43 - 69.10 - MED DK GRAY X LM DOMP W NARROW DOSI AT TOP & ICR DOSI TOWARDS LC; UNIT E							T 10,004	0.19	0.20	0.12	0.01
					70	69.65 — 1-10-20CM TO 4CM QZ, QS2SD VT AV 2-3MM WK-STRONG SL	LC - COLOR CHANGE	30°N	65°N									
	71.00				71		69.10 - 70.90 MED LIGHT GRAY, AT TOP TL DOMP & GRIT DOAR & MINOR KHAKI MUDS; D/S - UNIFORM	30°	45°					70.90				
					72		THICK BD DOSI MR W WK BDG <0.5MM QZ-SH?? NEAR LC DOAR (FINE-U FINE)	30°	70°									
			2.65	95		72.30 — PROTO BR - STRONG F1 & WEAKER F2 FAIR-STRONG SL IN 1-5MM SQ VT; AT LC 73.00 4CM VN-STRONG, BLEAS D; FAIR CSL-CVD									T 10,005	2.33	0.80	0.73	0.01
					73		70.90 - 73.40 MED GRAY DOAR (FINE) D/S FINNER U FINE DOAR / DOSI; NEAR LC - LM - WISPS MED LIGHT GRAY DOSI APPEAR; UNIT E (DOAR)	20°	55°									
	73.55				74	73.48 FAIR SX F1 F2 - CLYSL BR - OXD = H; COATING HZ 73.59 —		45°	55°						73.55				
						VV WK SD FR (<0.3%) IR CLESL; RARE <1-2MM PY VT. RARE 10MM SD VT	73.40 - 99.70 MED LIGHT GRAY IL - THIN BDED, DOSI MP & DARK GRAY MUDS UNIT E												
					75			30°	55°									
			3.45	100										T 10,006	0.13	0.01	0.06	0.01

CERT NO-A9021836, A9021278

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90 B-18 Page 2 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Sketch log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag OPT	Cu %
					75	±D/S 77.0 OCC - 1CM - 7CM AV 1-2CM. LM - UTH/N BD DOAP (COARSE SAND - GRIT) : SHOWS STRONG NEPTUNE DYKES & SS													
					76		35°	40°										
	77.00					MUDS - DOMP - BLACK - DARK GRAY;												
					77		30°							77.00				
					78		25°	65°										
			3.0	100										T10,007	0.02	0.04	0.03	<0.01
					79		40°	40°										
	80.00				80		35°							80.00				
					81		25°											
			3.0	100										T10,008	0.02	0.02	0.02	<0.01
					82		35°	45°										
	83.00				83		20°							83.00				
			2.0	100	84		30°							T10,009	0.02	0.02	0.02	<0.01
	85.00				85	85.00 - ICP VT D/S. <1% SD ≤ SD VT < 4MM OCC MOD SL INVT & FR	30°	55°						85.00				
					86	86.00 - - - D/S ICP SD FR. 4MM	30°											
			3.0	100										T10,010	0.10	0.13	0.01	<0.01
					87	~1% SD VT TO 2MM AV 1MM OCC - MINOR SL GL	35°	55°										
	88.00				88	88.00 - - -	25°							88.00				
						7/490M SV - 4-15MM SD VT - WEAK TO STRONG DEVELOPED. SV CONC IN 15-50CM WIDE BANDS												
			3.36	100	89	SL > PY > CL;								T10,011	0.58	0.13	0.005	<0.01
					90	INTER SV ~1% < 1MM. SD VT OCC WK SL; NOTE VT DINCH OUT IN MODS BD'S STRONGER IN DOLT BD												

A3021836

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-18 Page 7 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT. NO A9021836

Lithol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					90												OPT	
						BD - LM - MED - THIN BEDDED												
	91.36				91		30°	60°										
														91.36				
					92	91.90	30°	70°										
						1-3% QZ QS SQ & SDVT 1-2MM WEAK-STRONG SLVTPY AT 92.70-.20CM SDVT @ STRONG SL-F2												
					93		35°N	25° F2S 55° S										
			2.89	100		93.33-93.60 - TC - CLASTS ANGULAR UP TO 3MM x 2CM.								T10,012	194	184	1.83	<0.01
						93.60-94.42 - UNIT E - BECOMES LM <2CM												
						93.70 - TRN - UC MIN/2 ZONE SV 1/10CM - 2 - 10MM AD 4MM - F2 F1, SL > GL, 1VT - 10MM CLVT			93.70									
					94		40°	16° S F2 40° S F1	1 <SD	1 <SD								
	94.25					94.25 - L			94.25					94.25				
						94.42 - 95.60 - MED LIGHT GRAY D/S MED GRAY SILT - DOST												
						3-6CM BR BANDS AT F1-F2 JCT. BP - STRONG SL & INTER BR SV-SL; FAIR SD			4 + <SD	TR								
						94.62			94.62									
						WK < 3MM SL VT + IN SQVT ICR SV NEAR LC												
						95.60 - 95.87 - TC - SS STRONG												
					95	95.00 - TRN -												
						WK COARSE BR F2 = F1 CLAST < 4CM SL STRONG AT TOP & AT LC PY > SL > GL			2 + <	< 0.3	+ <							
						95.87 - 99.70 - ASPREN. UNIT E 1L - THIN-MED I B MEDIUM LIGHT GRAY SILT TO DOST & DARK COLORED		0-18° F2S 15° F1S										
						95.32 COARSE BR (0.5-3CM CLASTS AT TOP - 13CM FT LC - FINE BR 1-7CM; STRONG SL > > CINDY			95.32									
						SUBORDINATE MUDS & SLTMUDS 60% < 2CM DOAP (COARSE SAND) IC, SS.			6 +	1 +			1 +					
						95.60 - WK DI - FINE FR SL			95.62 <									
			3.45	100	96		50°?		0.1 F	TR				T10,013	4.38	2.97	1.72	<0.01
						96.20 - -			96.20									
						SW FR TO WK BR 3-5CM WIDE ~40% LOOK JCT F1 & F2; WK SD SL > > GL			2 + FR	< 0.3	+ FR							
						96.54 - - WK SL IN 1-2MM SQVT			96.54									
						96.75 - -												
					97	MINOR - 1-5MM VT BUT MOSTLY IN 1/4-10CM: UP TO 3CM BR - AT JCT OF F1 & F2; SL > > GL; SD - WK - MOD.	70°	20° S F2 40° S F1	1 + <SD	< 0.1	+ <SQ							
						97.45 - -			97.45									
	97.70					STRONG BR - 8CM AT TOP HEAVY SL												
						97.70 - TC - WEAKER SV IN BP SV - SL > > GL			97.70					97.70				
						WK < 2MM SL F1-F2 VT												
					98	97.94 - 5CM COARSE F1-F2 BR - SL - 4%	75°	25° S F2 60° S F1										
						98.00 - WK FR TO MOD SL			< 0.5 < +	< 0.1	< +		< 0.1 <					
						98.68 BR F1 SV - AT TOP TO 4MM R DCR TO 1-2MM D/S. SV 1/2-4CM. SL IN PY ICR TO LC												
			3.30	100	99		50°	40°						T10,014	2.05	1.57	0.66	<0.01
									99.26									

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-18 Page 8 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

CERT NO. A9021278, A9021836

Sect log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					99													
						99.24 – 99.70 – BLACK SILTY MUDS GRADING INTO 7CM												
						99.61 – LC WK-FAIR SW-FR-4MM												
					100	99.95 – – – SLYCLYPY												
						MED LIGHT GRAY DOST-SILT	30°	55°S										
						100.10 $ FINE BR – TRACE SL												
						& SV 1-5MM & WK 1-2MM QSVT												
	101.00					100.69 – SLYCL – – –												
					101	UC-10CM-COARSE BD STRONG SL												
						100.94 AT LC 5CM BR-HEAVY SLYCL	45°	60°S	-100.65					101.00				
						MODS – OFTEN THESE LOOK SM – CALL SM IF LC IS DOUBTFUL			2 < 1	< 0.5	< 1							
		1.63	100			4 – 8 TO 12CM BANDS – W MOD – STRONG SLVT TO WK SW SLYCLYPY												
					102	101.89 – – – – LC MIN 2 ZONE	45°	25°F2	-101.89					T10015	1.22	1.04	0.38	<0.01
	102.63													102.63				
						V WK SD (<1%) VT <1-2MM NEAR UC SLVT <3MM & AT LC QZ-PY VT <2MM.	100.33 – 104.32 MED GRAY OO DOAP/MED SAND ST STRONG TOP 2 DCR D/S; FINING D/S	60°										
					103													
		2.69	70			D/S 102.3 CORE BROKEN-CMON FR WEAK;	101.39 – 101.50 – MED LIGHT GRAY DOST MP LM = SM WEAK UNIT B	55°	15°FZS 65°F1S					T10,016	0.24	0.25	0.00	<0.01
					104													
							102.63 – 102.90 – MED LIGHT GRAY DOMP WK LM=SM UNIT B	60°										
	105.32				105									105.32				
						UC-30CM $ FINE BR & 8CM												
		1.36	100			105.53 – $ FINE BR ON LC, MIDDLING COARSE $ BR; SLYCL, PART OXD	103.55 – 104.32 – MED LIGHT GRAY DELICATE LM/QZ/WELL DEV & D/S TO SW U FINE ST = SM – UNIT B	80N	60°S F1	105.53 5 +	1 +				T10,017	3.54	3.57	1.03	<0.01
					106	106.08 – – –			-106.08 1 <	1 <								
	106.68					VT – 1/2CM, SQ-2-10MM W SL STRONG												
						106.68 AT TOP & GL ICR TO LC V WK <1MM VT – D/S CORE BROKEN		40°F1'F2	106.68					106.68				
					107	107.29 – F2 BR – SLYCL –												
						107.55 –	104.32 – 112.22 – MED GRAY SILT-DOST; OCC LM PALE GREEN MODS; OCC 1-2CM DOAP (COARSE-SAND TO GRIT)											
					108				20°F2									
						1-2% QZ2 SQ VT TO 10MM AV 1-3MM; MOST NIL – MINOR SV												
		4.32	45			BROKEN CORE: OXD MOD TO F1 – STRONGER THAN NORMAL F2	105.20 – 106.40 – AS ABOVE STRIPPED TO DOST-SILT & BLK MODS;	70°N	30°F2					T10,018	0.97	0.71	0.25	<0.01
					109													
							106.40 – 112.22 – MED GRAY DOST (U FINE DOAP) – OFTEN ST & TBD OCC LM OF DARK GRAY – BLACK SILTY MUDS & MUDS – SUBORDINATE OCC DOST LIGHTER COLOR										
					110													
	111.00				111	111.00 – LC – BROKEN CORE		20°F2S 50°F1S						111.00				
								70°										
						5-7% QZ QS & SDVT TO 10MM AV <2MM MOST WK-FAIR SLYCL MIN 2.	112.22 – 114.15 DK GRAY OO DOAP/FINE-MED SAND) PATCH STRONG ST AT LC – 5CM SM-CL	80°	25°FZS 50°F1S										
		3.82	70		112	112.20 – – –								T10,019	1.60	0.53	0.20	<0.01
						WK (<1%) <1-2 MM SDVT OCC WK SD	114.15 – 114.30 – LC – OO DOAP & UNITE'											
					113													
						NEAR LC – TO 10MM SDVT W FAIR SL												
					114			70°										

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-18 Page 9 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)		
COORDINATES	LOGGED BY	SURVEY/DEPTH	COLLAR		ZONE
		DIP			
HOLE STARTED	COMPLETED	AZIMUTH			SECTION

Sheet log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE / CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag g/t	Cu %
					114												OPT	
	114.82					115.15 WK-FAIR BR-2-4% SL, TR CL 115.30 — 114.30 - 118.87 IL-UTHN IB NORMALLY MED GRN OCC.												
					115	UC-20CM FRV=H & DS CORE MICRO BROKEN - FAULT? — 114.82 115.20 STRONG ## F1 - SD ICR D/S WK SX-35° F2		LIGHT GRAY SILT - DOSI @ BOBORDINATE DARK GRN-BLACK MUDS & SILTY MUDS - UNIT E/ LC ± LARGE CORE LOSS									
						115.73 SL-97 P/XCL AT TOP & BTM; FAIR BLED SD			115.20 15 + 1 +				2 F					
					116				115.73									
			3.44	65		1-2% SD VT - MOSTLY F2 (20-30°)	40°N	20-30° F2 S						T10,020	3.37	0.82	0.26	0.01
					117	NEAR LC - PHQS VT < 1-2M PRESENT												
						117.35	117.35 - 120.09 - ± 35CM RECOVER FAULT - CORE DOESN'T LOOK LIKE IT - MISMATCH											
	118.26				118	20.5% SD VT < 1MM. NOTE COMMENTS - CORE LOSS	118.87 - 123.05 LIGHT GRAY TO MED LIGHT GRAY DOSI/MP - WK DEFINED WMW LM - UNIT C. - CL.							118.26				
			1.83	15	119									T10,021	0.15	0.16	0.05	<0.01
	120.09				120	120.50 —	118.87 - 120.00 - MED LIGHT GRAY DOST/MP - WITH WK AZ <0.5MM BDS XC - SM. UNIT A LC - TRN?	55°						120.09				
					121	3-5% SD VT TO 10MM AND 8MM	120.09 - 120.30 - MED LIGHT GRAY DOST/MP - W EVEN BLC (SM) LM - AT LC ICR. V. FINE MT & IC?		70°									
			2.91	85										T10,022	0.17	1.12	0.21	<0.01
					122	122.08 — + WK SP - MOST CB IS MT SP			50°									
	123.00				123	123.0	D/S 121.30 TO LC - ICR RIBBON MT & XB SILT LM.		20° F2					123.00				
						MOD - STRONG F2 FRV 25-40° A OCC W FAIR - MOD TO 10MM FP CL & SL	123.05 - 124.32 - IL MEDIUM LIGHT GRAY TO MED GRAY DOST/MP.		20° F2									
			3.0	95	124	1-3% SD VT - IRREG.	W FAINT ICR TO MOD RIBBON, MT D/S. 100 MM. UNIT D							T10,023	0.19	2.62	0.77	<0.01
							OCC < 2CM CONTORTED LENSE DELICATE LM SILTY M.IDS - CAP. ROCK;	70°? 80°?	25° F2 N									
	126.00				125		124.32 - 124.77 - BLACK 00 DOAP/MED SI STRONG AT TOP	70°?	20° F2									
					126	126.0 — —	WEAKEN D/S			126.0 10 + 1 +				126.00				
						BR - UC 25CM SI FINE BR - ~15CM STRONG SL; D/S WK BR & MINOR FR SL	124.77 - 125.22 - MED GRAY FAINT FINE LM; DOST/MP - WK RIBBON MT - UNIT D			126.5								
					127	126.50 —												
			3.0	100		1-2% SD VT TO 10 MM AV 1-2 MM WK - FAIR. XV IN F2 FP & SD VT								T10,024	0.84	2.68	0.95	<0.01
					128	GENERALLY WIDELY SPACED, OCC WK	125.22 - 125.65 - BLACK 00 DOAP/MED FINNING D/S SI STRONG TOP DCR D/S TO LC	20°	15° N F2 55° S F1									
	129.00				129			20°	55° S F1 20° F2					129.00				

CERT. NO A9021836

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED — **BLENDE PROPERTY** — HOLE No. 90B-18 Page 10 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Lithol log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag opt	Cu %
					129	125.65 - 126.0 - IL & VTHIN IB QQ DOAP/MED & TI BLACK MUDS. LIGHT GRAY SILT - CAPROCK.													
					130		15°											
						130.50												
			4.0	100	131	126.0 - 127.0 MED DK GRAY SILT - FAINT BLACK LM: SI=K	~35 10°	70°						T10025	0.19	LTT	0.61	0.01
						<1% TO 4MM SDVT - AU 1-2MM	UNIT F' LC TRN - TAKEN AT SILT CUT												
					132	3-10MM QZ BLEBS W FAIR-STRONG PM	20°	30° F2? S											
						127.0 - 130.1 TL - IB VTHIN OCC THIN BX - MED													
	133.00				133	GRAY SILT AND DARK GRAY MUDS - IN PART SILTY MUDS	20°	30° F2S						133.00				
						DCR D/S. PLANAR - OCC SS NEPTUNE DYKES; MC?												
					134	UNIT F'	15°?											
			3.0	95		130.1 - 133.20 AS ABOVE SILT - LIGHTER COLOR & MUDS								T10026	0.02	0.08	0.06	0.01
					135	WEAKER & <1CM LM; LC = G1?; LOOK MOSTLY DOSI;		20° F2 N; 50° F1; 50° F1S										
	136.00				136		10°	15° F2 N 60° F1S						136.00				
						133.20 - 143.40 BLACK MUDS W OCC <1CM AU 1-2MM LM OF CONTORTED (SS) SILT; LC TRN												
					137	THIS LOOKS G1 -	05°	60°S										
			3.0	90										T10027	0.01	0.05	0.04	0.01
					138		10°	20° F2S 60° F1S										
	139.00				139	138.80 - - - D/S DCR SDVT	15°	35° F2'S						139.00				
						<0.5% SDVT 1-2MM OCC W DV												
					140	CORE BROKEN: F1? F2; STRONGER THAN NORMAL; FDV - OFT W DK GOUGH & SLK	05°	15° N F2 55° F1S										
			3.0	100		- BLEBS - PY - MASSIVE IN FELT LMS ASSOC W QZ								T10028	0.01	0.03	0.04	0.01
					141		20°	55°S										
						143.40 - 148.43 MED GRAY DOSI - FAIR SI IR (VTHIN) W BLACK MUDS; SS=K; DOLMO UNIT IN G1?												
	142.00				142			20°? F2 45° SF1						142.00				
					143			25° F2 50° F1S										
			3.0	100		143.40								T10229	0.02	0.04	0.03	0.01
					144	~1% F1 & F2 SDVT TO 4MM AU 1-2MM	20°?	25° F2										

CERT NO-A9021836

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

BLENDE PROPERTY

HOLE No. 90B-18 Page 11 of 11

ELEVATION	DRILL CONTRACTOR	CORE SIZE	TOTAL DEPTH (m)
COORDINATES	LOGGED BY	SURVEY/DEPTH COLLAR	ZONE
		DIP	
HOLE STARTED	COMPLETED	AZIMUTH	SECTION

Geol. Log	FROM (m)	TO (m)	CORE WIDTH (m)	REC %	ROCK TYPE METRES	COMMENTS	CORE ANGLE @ BEDDING	CORE ANGLE @ STRUCTURE CLEAVAGE	SULPHIDES % / MODE SL	GL	CP	TT	PY	SAMPLE NUMBER	ASSAYS Zn %	Pb %	Ag ppb	Cu %
					144												OPT	
	145.00				145			25° S F2 75° S F1						145.00				
					146			25° F2										
			3.43	90														
					147		SG 0-30°	25° F2S 56° F1S						T10030	0.02	0.04	0.03	0.01
					148		25°	55°										
	148.43					148.43 END OF HOLE								148.43				

GEOT. NO. A9021836

092942

1990 October 4

REPORT FOR: Mike Phillips
Archer Cathro & Associates (1981) Ltd.
P.O. Box 4127
3125 - 3rd Avenue
Whitehorse, Yukon

SAMPLES: #230 Hole 90 E-16
#255 Hole 90 E-16

SUMMARY: These specimens are fine grained, extremely altered, and primary mineral species and textures have almost all been obliterated. Based on the presence and distribution of plagioclase in sample #230, it is a porphyritic volcanic, probably dacite or andesite, in which the groundmass has been altered to calcite and chlorite. The presence and distribution of dolomite and quartz grains in sample #255 indicates that it is a silty dolostone which has been altered to talc, quartz and and calcite.

Sincerely,

Grant

Dr. Grant W. Lowey

SPECIMEN NUMBER 230

Hand Specimen Description:

Drill core, ends evenly fractured, displaying poorly developed foliation that has a pearly luster and smooth feel. Specimen is slightly magnetic, massive, fine grained (< 1 mm) and greenish black (98%), with disseminated metallic minerals (2%), possibly pyrrhotite or chalcopyrite. Carbonate stain indicates 20% ferroan calcite (siderite), with the remaining 80% unstained and comprising feldspar, chlorite and metallic minerals.

Field Rock Name: **altered volcanic**

Thin Section Examination:

Estimate mode:

15%	plagioclase
10%	opaques
40%	carbonate
25%	chlorite
5%	orthopyroxene
4%	quartz
1%	sericite

Plagioclase is evenly distributed and forms polysynthetically twinned, bladed crystals that range in size from 0.4 mm to 1.0 mm. Minor amounts of plagioclase occur as small clumps of crystals resembling glomerophyric texture. The plagioclase is oligoclase (Ab 90 - 70) in composition and contains small flakes of sericite.

Opaques are present as two mineral species. The most abundant (6%) is evenly distributed, has a white metallic luster in reflected light, and forms subrounded, partially embayed grains. They ranging in size from 0.2 mm to 0.6 mm and are probably pyyrhotite or chalcopyrite. The second mineral (4%) is also evenly distributed, has a black metallic luster in reflected light and a translucent red color around its edges in transmitted light. It forms angular blocky grains and acicular crystals, ranging in size from 0.05 mm to 0.1 mm. They are partially enclosed in the first opaque mineral and in chlorite, and are identified as hematite (speculaite).

Carbonate is almost entirely calcite. It occurs as a groundmass of 0.01 mm size crystals, and as veinlets and irregular patches composed of 0.2 mm size crystals. Rare dolomite rhombs are present also.

Chlorite occurs mostly as a groundmass comprised of 0.02 mm size cystals. They are subparallel and account for the poorly developed foliation. Chlorite also forms veinlets and irregular patches of 0.1 mm size crystals.

Orthopyroxene is present as a single, 0.3 mm wide veinlet, consisting of crystals ranging in size from less that 0.01 mm to 0.1 mm. It is probably hypersthene.

Quartz occurs in the groundmass as aggrgates of very small grains, 0.02 mm in size, and is also present as single or pollycrystalline grains associated with plagioclase.

Sericite forms alteration flakes on plagioclase.

Rock Name: **altered porphyritic plagioclase dacite or porphyritic plagioclase andesite,** involving chloritization, carbonatization, and minor silicification and sericitization.

SPECIMEN NUMBER 255

Hand Specimen Description:

Drill core, ends unevenly fracture, displaying a very poorly developed foliation that has a pearly luster and smooth feel. Mostly massive (95%), fine grained (< 1mm), and light greenish gray, with white veins and veinlets (5%) that parrallel both the poorly developed foliation and the long axis of the drill core specimen. Carbonate stain indicates 5% ferroan calcite (siderite) as disseminated crystals, 5% ferroan calcite (siderite ?) as veins and veinlets, and 40 % dolomite, with the remaining 50% unstained and comprising talc and quartz.

Field Rock Name: **altered dolostone**

Thin Section Examination:

Estimate mode:

40%	carbonate
5%	opaques
25%	quartz
20%	talc
5%	chlorite
4%	sericite
1%	limonite

Carbonate is present as two mineral species. The most abundant (30%) is dolomite, which forms 0.05 mm size, disseminated crystals. The second mineral (10%) is ferroan calcite (siderite). It occurs as veinlets comprised of 0.2 mm size crystals, and as evenly distributed, similarly sized crystals.

Opaques are evenly distributed and brassy metallic in reflected light. They form disseminated, spongy looking, embayed grains, 0.2 mm in size, that are identified as pyrite.

Quartz occurs in two ways. The most common form (15%) is aggregates of grains 0.01 to 0.02 mm in size. They, along with talc, make up most of the groundmass. The second form (10%) is evenly distributed, irregularly shaped grains, 0.2 mm in size. They are mostly

monocrystalline, but pollycrystalline grains are also present. They are partially replaced by dolomite.

Talc forms a groundmass comprised of 0.02 mm size crystals, possibly mixed with clay (kaolinite?) and associated with very fine grained quartz. It also occurs as 0.2 mm long crystals that are parallel to subparallel and 0.3 to 0.4 mm apart, and account for the poorly developed foliation.

Chlorite is unevenly distributed and is mainly present as an irregular lense (5 mm by 9 mm) comprised of 0.05 to 0.1 mm size crystals. It also forms isolated books of cystals, 0.1 to 0.2 mm in size, that are associated with dolomite and with calcite veinlets.

Sericite occurs in the groundmass associated with talc and very fine grained quartz, and also appears as alteration flakes on larger quartz grains.

Limonite forms an alteration ring around pyrite or completely replaces pyrite, and can best be observed in reflected light.

Rock Name: **altered talc dolostone**, with silicification and carbonatization and minor chloritization and sericitization.

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
APR 15 1991
YUKON TERRITORY

A PRELIMINARY WATER QUALITY INVESTIGATION OF THE BLENDE CLAIMS

JUNE 1990

092942

Prepared for

ARCHER,CATHRO & ASSOCIATES (1981) LIMITED

Prepared by

J.E. GIBSON

August 1990

TABLE OF CONTENTS

	Page
Table of Contents	i
List of Figures	iii
List of Tables	iv
1.0 **Introduction**	1
2.0 **Study Area**	1
2.1 Area Description	3
2.2 Watershed Measurements	3
2.3 Sample Stations	5
3.0 **Methods**	7
4.0 **Field Measurements**	14
5.0 **Results**	14
5.1 Field Measurements	14
5.2 Chemical Analysis	14
5.2.1 Alkalinity	19
5.2.2 pH	19
5.2.3 Conductivity	19
5.2.4 Suspended Solids	19
5.2.5 Aluminum	19
5.2.6 Antimony	19
5.2.7 Arsenic	20
5.2.8 Barium	20
5.2.9 Beryllium	20
5.2.10 Boron	20
5.2.11 Cadmium	20
5.2.12 Calcium	20
5.2.13 Chromium	21
5.2.14 Cobalt	21
5.2.15 Copper	21
5.2.16 Iron	21
5.2.17 Lead	22
5.2.18 Magnesium	22
5.2.19 Manganese	22
5.2.20 Mercury	22
5.2.21 Molybdenum	22
5.2.22 Nickel	22
5.2.23 Phosphorus	23
5.2.24 Potassium	23
5.2.25 Selenium	23
5.2.26 Silicon	23
5.2.27 Silver	23
5.2.28 Sodium	23
5.2.29 Strontium	24
5.2.30 Thorium	24
5.2.31 Titanium	24
5.2.32 Uranium	24
5.2.33 Vanadium	24
5.2.34 Zinc	24
5.2.35 Zirconium	25
5.2.36 Turbidity	25
5.2.37 Total Solids	25
5.2.38 Nitrite	25

5.2.39 Nitrate 25
5.2.40 Sulfate 25
5.2.41 Total Phosphate 26
5.2.42 Ammonia 26
5.2.43 Total Cyanide 26
5.2.44 Hardness 26

6.0 Summary 26

7.0 Recommendations 27

References

LIST OF FIGURES

	Page
Figure 1. Location of the Blende Property	2
Figure 2. Sample station locations	6
Figure 3. Station BB-1 (photo)	11
Figure 4. Station BB-2 (photo)	11
Figure 5. Station BB-4 (photo)	12
Figure 6. Station BB-5 (photo)	12
Figure 7. Station BW-1 (photo)	13
Figure 8. Station BW-2 (photo)	13

LIST OF TABLES

	Page
Table 1. Field measurements of pH, conductivity and water temperature. Blende Claims. June 27 and 28,1990	8
Table 2. Creek discharge volumes. Blende Claims. June 27 and 28,1990	9
Table 3. Design flood values for streams at the Blende Claims.	10
Table 4. Water quality data for Blende Claims	15

1.0 Introduction

John Gibson was contracted by Archer Cathro & Associates (1981) Limited to conduct a water quality survey of the waters in the area of the Blende mineral property. The survey was conducted on June 27 and 28,1990.

The purpose of the survey was to initiate a water quality baseline study of surface waters draining the lead and zinc deposit.

2.0 Study Area

The Blende mineral property is located in the Wernecke Mountains 65 air kilometers north north east of Keno City, Yukon at Latitude 64 degrees 24', Longitude 134 degrees 40' (Figure 1).

The mineral property straddles the watershed divide between the Beaver River and the Wind River. Surface waters draining to the south and south east flow into Williams Creek, a tributary to the Beaver River and onto the Stewart and Yukon Rivers.Surface waters draining to the north flow into the Wind River and eventually to the Mackenzie River(Figure 2). The lead and zinc deposit is located in country rock types of dolomite and shales. Associated minerals are sphalerite, galena, tetrahedrite, chalcopyrite and pyrite.

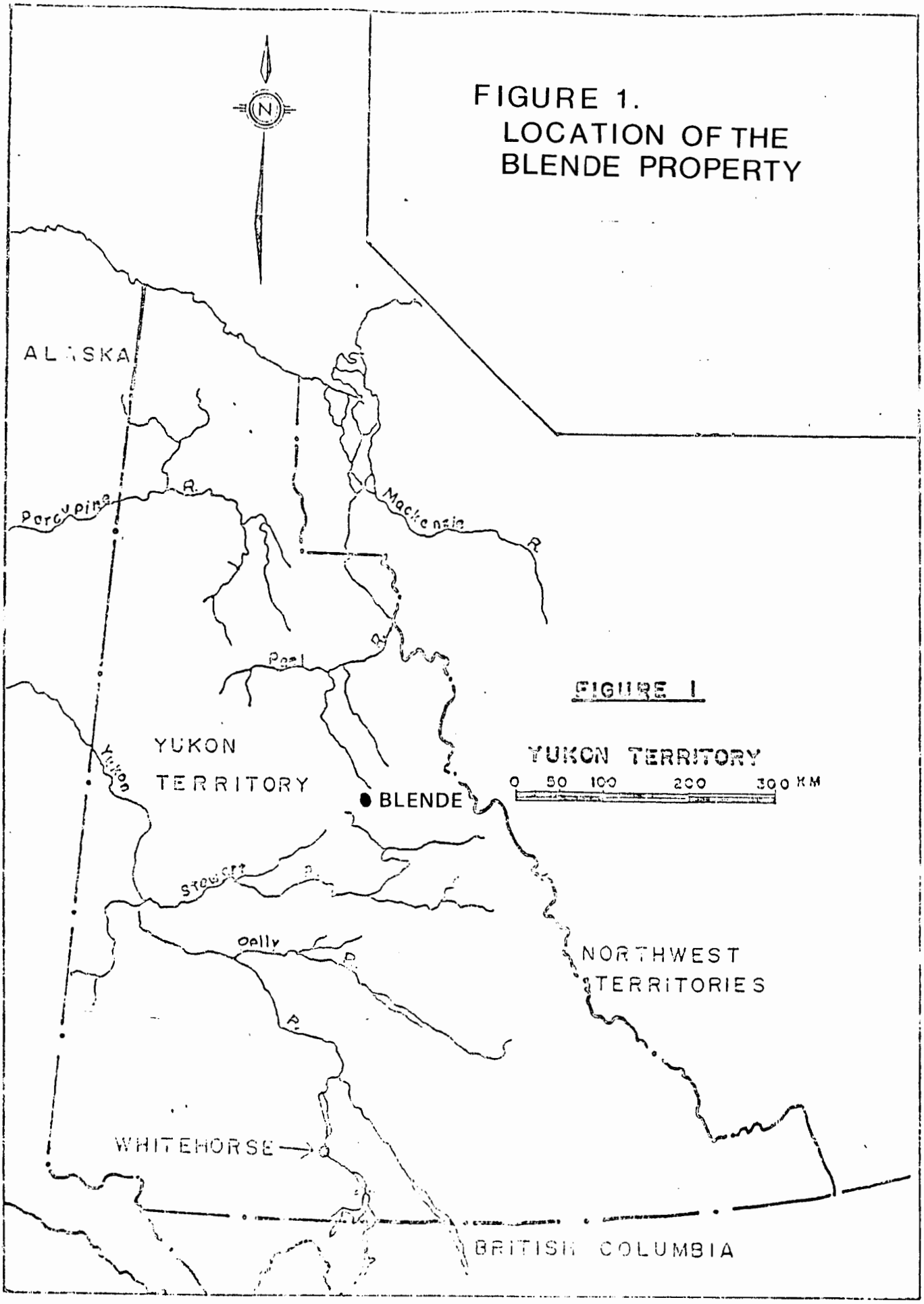


FIGURE 1.
LOCATION OF THE
BLENDE PROPERTY
N
ALASKA
Porcupine R.
Mackenzie R.
Peel R.
YUKON
TERRITORY
BLENDE
Stewart R.
Pelly R.
NORTHWEST
TERRITORIES
WHITEHORSE
BRITISH COLUMBIA
FIGURE 1
YUKON TERRITORY
0 50 100 200 300 KM

2.1 Area Description

A majority of the study area is situated above 4000 ft elevation.The mineral zone is located along the watershed divide with Mount Williams near the midpoint. Creeks above 4000 ft elevation are generally single channel with steep to moderate gradient. Stream bed material ranges from boulder and rock at higher elevations to rock,cobble and gravel at the 4000 ft elevation. Below 4000 ft the channels widen,gradient decreases and the channel becomes braided with permanent vegetation often occurring on islands between the channels. The lower reaches of Williams Creek below the main fork varies from single to braided channel.

Vegetation in the deposit area is alpine and subalpine on both sides of the watershed divide. The subalpine zone continues farther downstream on the Wind River tributaries.

2.2 Watershed Measurements

Watershed measurements have been calculated for creeks draining the mineralized area. All measurements have been calculated for the channels above sample stations.

Beaver River Tributaries:

1. Blende/Beaver - 1 (BB-1)

Channel length - 2.16 km

Channel slope - 24 %

Watershed area - 4.1 sq.km

2. BB - 4

Channel length - 10.54 km

Channel slope - 7.1 %

Watershed area - 43.3 sq.km

3. BB - 5

Channel length - 3.62 km

Channel slope - 11.8 %

Watershed area - 10.5 sq.km

Wind River Tributaries:

1. Blende/Wind - 1 (BW-1)

Channel length - east fork 2.79 km

- west fork 2.16 km

Channel slope - 5.8 %

Watershed area - 5.57 sq.km

2. BW - 2

Channel length - 2.03 km

Channel slope - 7.5 %

Watershed area - 3.49 sq.km

Estimated peak flow values for 2,5,10,20,50 and 100 year return periods along with mean annual flood for each station are listed in Table 3. Calculations were done using equations outlined in Design

Flood Estimating Guidelines for the Yukon Territory .

2.3 Sample Stations

The eight sample stations are situated to study the water quality of all surface flows draining the known mineralized zone.Six stations are located on tributaries to the Beaver River, two stations on Wind River tributaries. Station BB - 2 has been located on upper Williams Creek above the confluence with the creek draining the south face of the deposit to serve as a water quality background. Station BB - 4 is located on the east arm of Williams Creek above the main fork to monitor downstream impact of any development (Figure 2).

Station locations and descriptions are:

BB - 1. Creek draining the south face of the deposit.Station is 100 meters above its confluence with channel flowing in from the north.Station is at 3800 ft elevation.

BB - 2. Williams Creek above confluence with BB - 1 creek. This is the background water quality station.

BB - 3. Williams Creek 1000 meters downstream of Station BB - 2 .

BB - 4. Williams Creek (east fork) above the forks.This is the downstream water quality station.

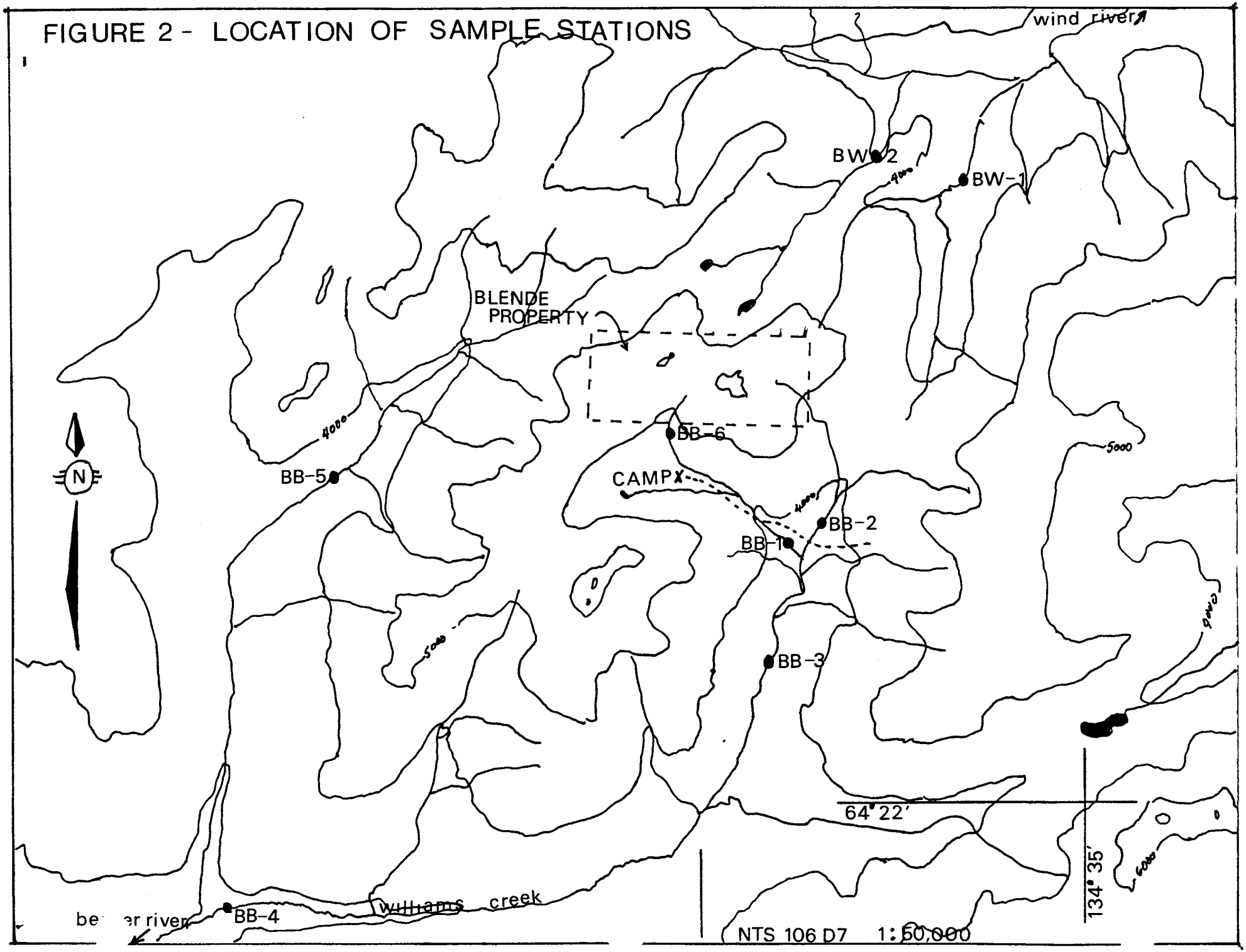
BB - 5. Williams Creek (west fork) on north west side of deposit. Station is at 3500 ft elevation.

BB - 6. Creek draining south face of deposit upstream of drill water sump.Station is at 4700 ft elevation.

BW - 1. Wind River tributary to north east of deposit. Station is below the forks at 3750 ft elevation.

BW - 2. Wind River tributary to north of deposit.Creek originates

FIGURE 2 - LOCATION OF SAMPLE STATIONS



in two small cirque lakes. Station is at 3750 ft elevation.

All sample station are marked with pieces of red flagging tape. Stations BB - 1,BB - 2 and BB - 6 were sampled on foot from the Blende camp. All other stations were accessed by helicopter.

3.0 **Methods**

Water quality samples were taken at each station using acid washed Nalgene sample bottles supplied by Quanta Trace Laboratories of Vancouver. A 1 liter sample was taken for total cyanide analysis. This bottle came supplied with the NaOH preservative. A 1 liter sample was taken for "ions" analysis (ammonia,sulfate,nitrate,nitrite and phosphorus). This bottle was filled completely,sealed tightly and kept as close to 4 degrees Celsius as field conditions allowed. Another 1 liter bottle was taken for "routine"analysis (lab pH, alkalinity, turbidity, lab conductivity, total solids, suspended solids and hardness). One 100 ml samples was taken for each total and dissolved metals. The sample for dissolved metals was first filtered using a Nalgene hand vacuum pump with 45 micron filters. Both metal samples were then preserved with 0.5 ml of HNO3.

Except for the cyanide sample bottle, all bottles were rinsed three times with sample water prior to filling. In the case of dissolved metal,the rinse was done with filtered water. Filled bottles were then capped and marked with sample station and required analysis. The information above was recorded in a field note book along with date,time, field measurements results and general observations. Photographs of each sample station were taken (Figures 3 to 8). Stream flow measurements of each creek were taken after sampling was

TABLE 1. FIELD MEASUREMENTS OF pH, CONDUCTIVITY, AND WATER TEMPERATURE...BLENDE CLAIMS. JULY 27 & 28,1990

STATION	pH(R.U.)	COND(us/cm)	TEMP(Celsius)
BB-1(June 27th)	8.1	185	5.0
BB-2	8.2	260	5.0
BB-3	8.5	250	3.0
BW-2	8.4	215	3.0
BW-1	8.4	350	5.0
BB-6(June 28th)	9.1	180	4.0
BB-5	8.6	250	4.0
BB-4	8.4	280	7.5

TABLE 2. CREEK DISCHARGE VOLUMES...BLENDE CLAIMS.
JUNE 27 & 28,1990

STATION	TIME	DISCHARGE FLOWS		
		CMS	CFS	IGPM
BB-1	June 27th-1130	0.067	2.37	888
BB-2	1040	0.045	1.59	596
BB-3	1335	0.313	11.1	4134
BW-2	1440	0.082	2.9	1083
BW-1	1535	0.106	3.74	1400
BB-5	June 28th-1010	0.207	7.32	2736
BB-4	1105	0.662	23.4	8743
BB-6	0810	0.015(estimate)		

TABLE 3. DESIGN FLOOD VALUES FOR STREAMS AT THE BLENDE CLAIMS.

STATION	VALUES FOR RETURN PERIODS IN CUBIC METRES PER SECOND						
	MEAN ANNUAL	1:2 YR	1:5 YR	1:10 YR	1:20 YR	1:50 YR	1:100 YR
BB-1	0.48	0.35	0.69	0.97	1.30	1.79	2.21
BB-4	5.11	3.71	7.26	10.27	13.70	18.90	23.36
BB-5	1.24	0.90	1.76	2.49	3.32	4.58	5.66
BW-1	0.66	0.48	0.93	1.32	1.76	2.43	3.01
BW-2	0.41	0.30	0.58	0.83	1.10	1.52	1.88

FIGURE 3. Station BB-1 looking upstream (east) to Blende deposit.

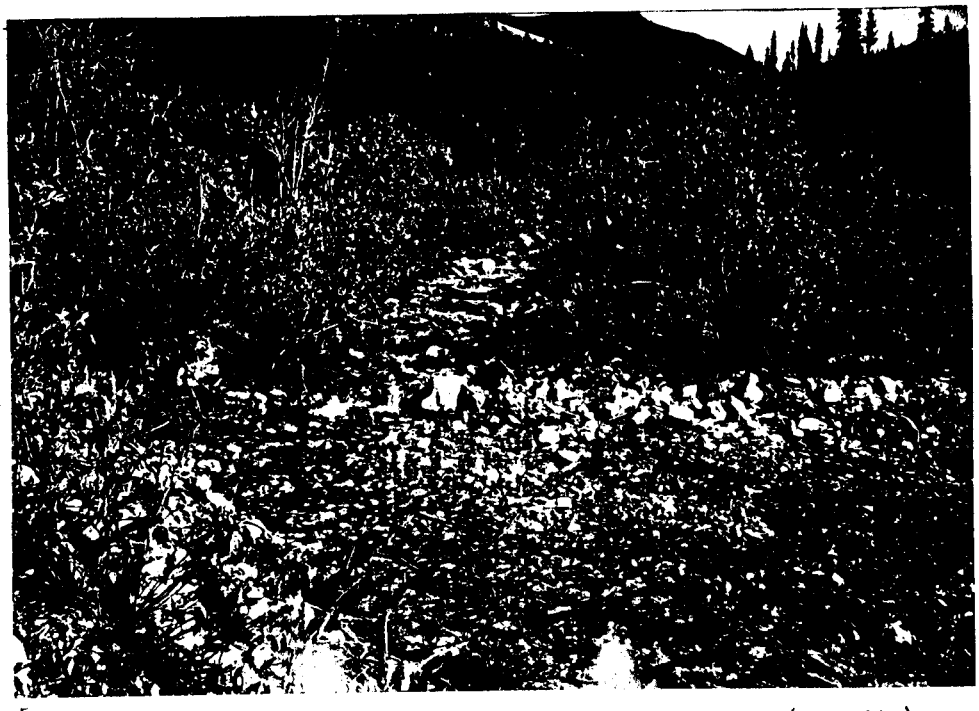


FIGURE 4. Station BB-2 looking upstream (north).

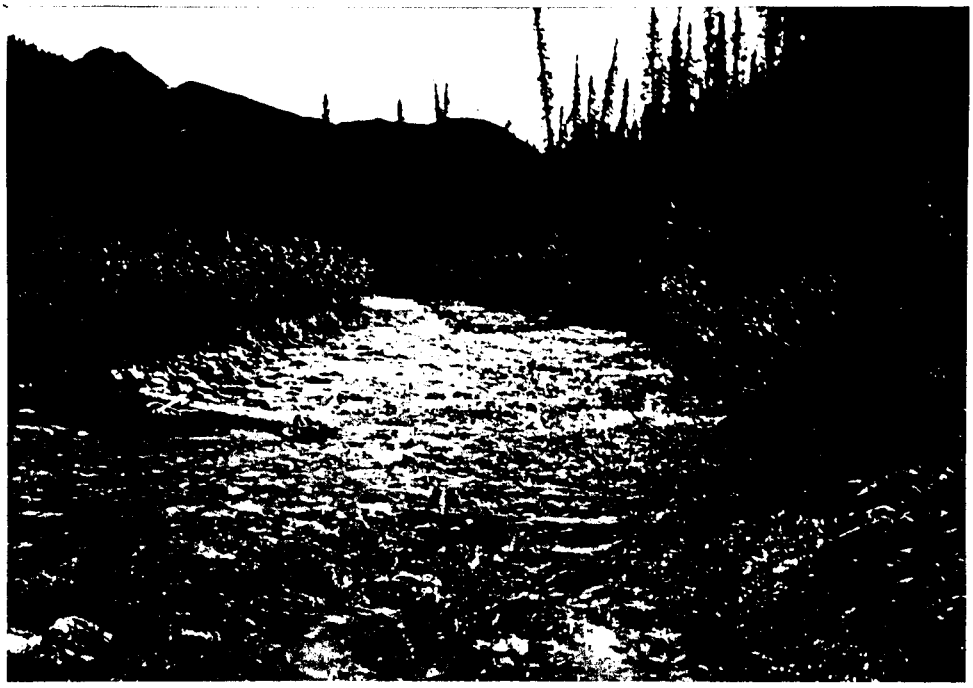


FIGURE 5. Station BB-4 looking upstream at Williams Creek valley.

FIGURE 6. Station BB-5 looking upstream (north-east).

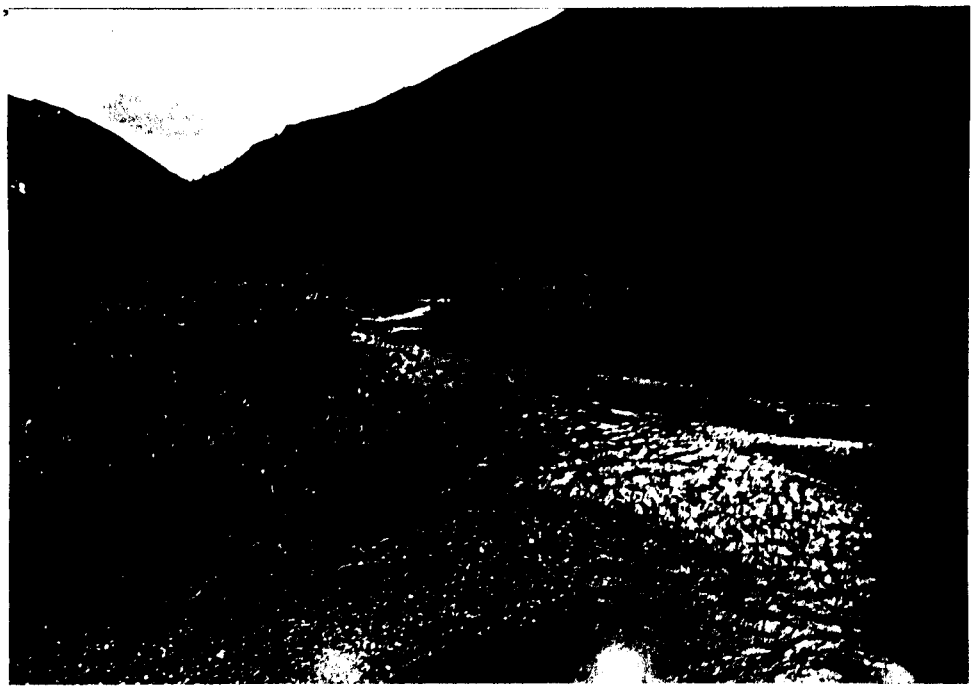


FIGURE 7. Station BW-1 looking upstream (south-west) at north side of the deposit.

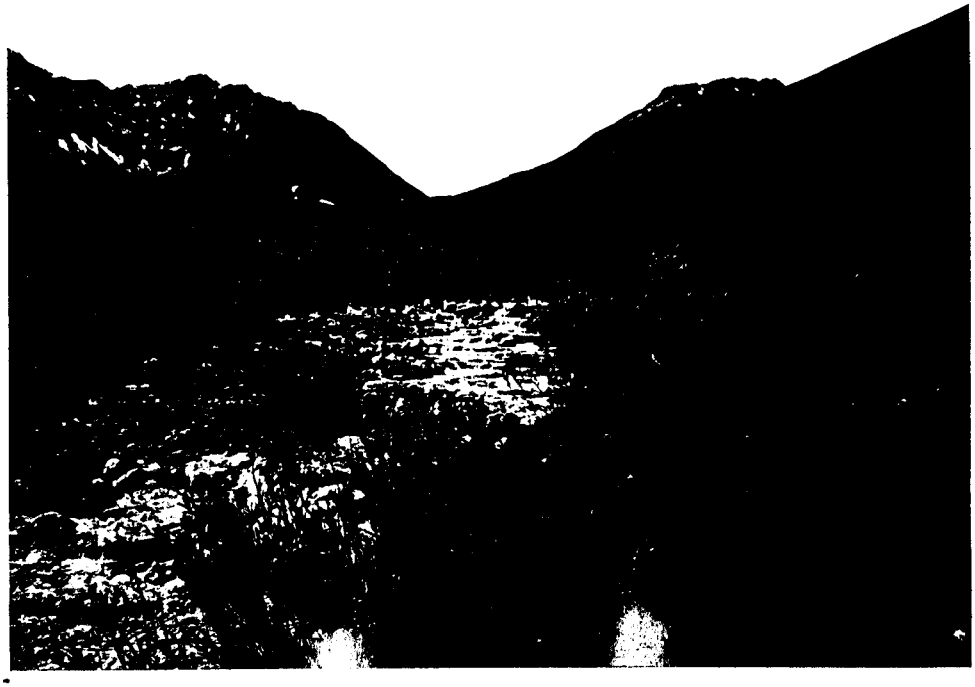


FIGURE 8. Station BW-2 looking upstream (south-east) at the deposit.

complete.

4.0 Field Measurements

Field measurements for pH,conductivity and temperature along with streamflow volume were taken at each sample station. Conductivity was taken using a Hanna Instruments DiST 3 ATC meter,pH using a Hanna Instruments pHep meter and temperature using a standard water thermometer registering in degrees Celsius. The above measurements are listed by station in Table 1. Stream flow volume was measured using a Price velocity meter and cross sectional area calculations. Stream flow by station is listed in Table 2.

5.0 Results

5.1 Field Measurements

Field measurements for pH ,conductivity and temperature are listed in Table 1. These measurements are generally consistent with repeat measurements done in the laboratory. Field measurement of stream flow are listed in Table 2.

5.2 Chemical Analysis

Water quality results are presented in Table 4. No anomalies are apparent. All analysis were done by Quanta Trace Laboratories Inc. of Vancouver. Discussion is based on extractable values.

Table 4. Water Quality Data for Blende Claims.

Sample type		Water	Water	Water	Water	Water
Identification		BB1	BB1	BB2	BB2	BB3
Trace Metals Method used		Dissolved	Extractable	Dissolved	Extractable	Dissolved
Aluminum	Al	0.104	0.104	0.110	0.115	0.111
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.005	0.005	0.012	0.012	0.010
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Boron	B	0.1	0.1	0.1	0.1	0.1
Cadmium	Cd	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Calcium	Ca	27.5	27.5	33.6	33.6	33.1
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	0.001	0.001	0.002	0.002	0.002
Copper	Cu	0.002	< 0.001	0.002	< 0.001	< 0.001
Iron	Fe	0.008	0.008	< 0.005	< 0.005	< 0.005
Lead	Pb	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004
Magnesium	Mg	13.6	13.6	21.2	21.3	18.4
ngenese	Mn	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
ercury	Hg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	0.001	0.001	< 0.001	0.002	< 0.001
Phosphorus	P	< 0.02	0.02	< 0.02	0.03	< 0.02
Potassium	K	0.57	0.57	0.31	0.31	0.61
Selenium	Se	0.01	< 0.01	0.01	0.01	0.01
Silicon	Si	1.2	1.2	1.5	1.5	1.4
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	< 0.05	0.09	0.14	0.18	0.13
Strontium	Sr	0.021	0.021	0.033	0.033	0.027
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	< 0.02	< 0.02	< 0.02	0.03	< 0.02
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.007	0.007	0.017	0.018	0.003
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Conductivity	uS/cm	208.	–	309.	–	257.
Turbidity	FTU	< 5.	–	< 5.	–	< 5.
Total Solids		157.	–	195.	–	199.
Suspended Solids		< 5.	–	< 5.	–	< 5.
pH		8.2	–	8.3	–	8.3
Bicarbonate	CaCO3	105.	–	137.	–	139.
Nitrite	NO2-N	< 0.5	–	< 0.5	–	< 0.5
Nitrate	NO3-N	0.15	–	0.09	–	0.18
S ate	SO4	18.5	–	38.8	–	21.1
T. osphate	PO4-P	< 0.005	–	< 0.005	–	< 0.005
Ammonia	NH3-N	< 0.05	–	< 0.05	–	< 0.05
Total Cyanide	CN	< 0.005	–	< 0.005	–	< 0.005
Hardness as	CaCO3	125.	125.	171.	172.	159.
Results in		mg/l	mg/l	mg/l	mg/l	mg/l

Table 4 (cont). Water Quality Data for Blende Claims.

Sample type		Water	Water	Water	Water	Water
Identification		BB3	BB4	BB4	BB5	BB5
Trace Metals Method used		Extractable	Dissolved	Extractable	Dissolved	Extractable
Aluminum	Al	0.118	0.119	0.124	0.107	0.110
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.010	0.023	0.023	0.053	0.055
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Boron	B	0.2	0.1	0.2	0.1	0.1
Cadmium	Cd	< 0.0003	< 0.0003	< 0.0003	< 0.0003	0.0003
Calcium	Ca	33.4	36.7	37.0	30.0	30.3
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	0.002	0.001	0.002	0.001	0.001
Copper	Cu	0.001	0.001	0.001	< 0.001	0.002
Iron	Fe	< 0.005	0.006	0.005	0.006	0.005
Lead	Pb	0.004	< 0.004	< 0.004	< 0.004	< 0.004
Magnesium	Mg	18.6	19.7	19.8	18.0	18.0
Manganese	Mn	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Mercury	Hg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	0.002	0.002	0.002	< 0.001	< 0.001
Phosphorus	P	0.02	0.02	0.02	0.02	< 0.02
Potassium	K	0.61	1.34	1.36	0.47	0.53
Selenium	Se	< 0.01	0.01	< 0.01	< 0.01	0.01
Silicon	Si	1.6	1.8	1.9	1.5	1.5
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	0.18	1.09	1.12	0.20	0.24
Strontium	Sr	0.027	0.036	0.036	0.037	0.037
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	0.03	< 0.02	0.02	< 0.02	0.03
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.001	0.002	0.005	0.003	0.004
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Conductivity	uS/cm	-	293.	-	252.	-
Turbidity	FTU	-	< 5.	-	< 5.	-
Total Solids		-	217.	-	162.	-
Suspended Solids		-	< 5.	-	< 5.	-
pH		-	8.4	-	8.2	-
Bicarbonate	CaCO3	-	166.	-	150.	-
Nitrite	NO2-N	-	< 0.5	-	< 0.5	-
Nitrate	NO3-N	-	0.18	-	0.13	-
Sulfate	SO4	-	18.2	-	25.4	-
Total Phosphate	PO4-P	-	< 0.005	-	< 0.005	-
Ammonia	NH3-N	-	< 0.05	-	< 0.05	-
Total Cyanide	CN	-	< 0.005	-	< 0.005	-
Hardness as CaCO3		161.	174.	175.	149.	150.
Results in		mg/l	mg/l	mg/l	mg/l	mg/l

Table 4 (cont). Water Quality Data for Blende Claims.

Samole type		Water	Water	Water	Water	Water
Identification		BB6	BB6	BW1	BW1	BW2
Trace Metals Method used		Dissolved	Extractable	Dissolved	Extractable	Dissolved
Aluminum	Al	0.091	0.094	0.125	0.154	0.098
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.005	0.005	0.059	0.059	0.040
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Boron	B	0.1	0.1	0.2	0.2	0.1
Cadmium	Cd	< 0.0003	0.0003	< 0.0003	0.0004	< 0.0003
Calcium	Ca	22.7	22.8	41.3	41.5	26.9
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	0.001	0.001	0.002	0.002	0.002
Copper	Cu	< 0.001	0.001	< 0.001	< 0.001	0.003
Iron	Fe	0.007	0.032	< 0.05	0.100	0.006
Lead	Pb	< 0.004	0.012	< 0.004	< 0.004	0.005
Magnesium	Mg	13.7	13.8	23.7	23.8	16.1
Manganese	Mn	< 0.001	0.005	< 0.001	0.015	< 0.001
Mercury	Hg	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	< 0.001	0.001	< 0.001	0.002	0.001
Phosphorus	P	< 0.02	< 0.02	0.03	0.03	0.03
Potassium	K	0.19	0.21	0.36	0.37	0.26
Selenium	Se	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Silicon	Si	1.2	1.2	2.0	2.0	1.6
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	0.08	0.09	0.37	0.37	0.12
Strontium	Sr	0.021	0.021	0.053	0.054	0.034
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.029	0.030	0.003	0.003	0.010
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Conductivity	uS/cm	188.	–	353.	–	225.
Turbidity	FTU	< 5.	–	< 5.	–	< 5.
Total Solids		148.	–	273.	–	164.
Suspended Solids		< 5.	–	< 5.	–	< 5.
pH		8.1	–	8.1	–	8.3
Bicarbonate		99.	–	137.	–	111.
Nitrite	NO2-N	< 0.5	–	< 0.5	–	< 0.5
Nitrate	NO3-N	0.17	–	0.10	–	< 0.05
Sulfate	SO4	10.8	–	23.5	–	18.0
Total Phosphate	PO4-P	< 0.005	–	< 0.005	–	< 0.005
Ammonia	NH3-N	< 0.05	–	< 0.05	–	< 0.05
Total Cyanide	CN	< 0.005	–	< 0.005	–	< 0.005
Hardness as CaCO3		113.	114.	200.	201.	133.
Results in		mg/l	mg/l	mg/l	mg/l	mg/l

Table 4 (cont). Water Quality Data for Blende Claims.

Sample type Identification			Water BW2
Trace Metals			
Method used			Extractable
Aluminum	Al		0.100
Antimony	Sb	<	0.05
Arsenic	As	<	0.05
Barium	Ba		0.041
Beryllium	Be	<	0.0005
Boron	B		0.1
Cadmium	Cd		0.0004
Calcium	Ca		27.3
Chromium	Cr	<	0.001
Cobalt	Co		0.002
Copper	Cu	<	0.001
Iron	Fe	<	0.05
Lead	Pb	<	0.004
Lithium	Li	<	0.05
Magnesium	Mg		16.2
Manganese	Mn	<	0.001
Mercury	Hg	<	0.1
Molybdenum	Mo	<	0.005
Nickel	Ni		0.002
Phosphorus	P		0.02
Potassium	K		0.30
Selenium	Se		0.01
Silicon	Si		1.6
Silver	Ag	<	0.001
Sodium	Na		0.13
Strontium	Sr		0.034
Thorium	Th	<	0.02
Titanium	Ti	<	0.001
Uranium	U	<	0.02
Vanadium	V	<	0.0005
Zinc	Zn		0.010
Zirconium	Zr	<	0.001
Results in			mg/L

5.2.1 Alkalinity

Alkalinity is a measure of surface water's ability to neutralize acid.In aquatic systems,alkalinity usually results from the geology and geochemistry of the rocks and soils in the area.The best waters for aquatic life are those with a pH value between 7 and 8 and with a total alkalinity of 100 mg/l as CaCO3 or more (Environment Canada,1976). The alkalinity serves as a buffer preventing sudden pH changes. Alkalinity in the study area ranges from a high of 166 mg/l at BB-4 to a low of 113 mg/l at BB-6.

5.2.2 pH

ph ranges from a high of 8.4 at BB-4 to a low of 8.1 at BB-6. Surface waters in the area are slightly alkaline.

5.2.3 Conductivity

Conductivity was moderately high at all stations with high of 353 us/cm at BW-1 to a low of 188 us/cm at BB-6.

5.2.4 Suspended Solids

Suspended solids levels at all stations were < 5.0 mg/l.

5.2.5 Aluminum

Aluminosilicate minerals are abundant in most geologic materials and is readily mobilized from soil and sediments by natural weathering.Levels ranged from a high of 0.154 mg/l (extractable) at BW-1 to a low of 0.094 mg/l (extractable) at BB-6.

5.2.6 Antimony

Antimony levels are below detection limits (0.05 mg/l) at all stations.

5.2.7 Arsenic

Arsenic levels at all stations are below the detection limit of 0.05 mg/l.

5.2.8 Barium

Barium compounds are used in drilling muds and in the processing of diesel fuels. Although a common element in the earth's crust, it is usually not found in concentrations above 1.0 mg/l. The concentrations of sulfate and carbonate ions limit the levels of barium in water by causing it to precipitate. Concentrations in the area are low and range from a high of 0.059 mg/l at BW-1 to a low of 0.005 mg/l at BB-1 and BB-6.

5.2.9 Beryllium

Beryllium levels at all stations are below detection limits (0.0005 mg/l).

5.2.10 Boron

Boron concentrations in surface waters average 0.1 mg/l (NAQUADAT,1985). Levels in the area range from a high of 0.2 mg/l at BB-3,BB-4 and BW-1 to a low of 0.1 mg/l at all other stations.

5.2.11 Cadmium

Cadmium levels range from a high of 0.0004 mg/l at BW-1 and BW-2 to 0.0003 mg/l at all other stations. Given the hard to very hard water in this area (113 to 200 mg/l as $CaCO_3$) this is well within the guidelines for freshwater aquatic life.

5.2 12 Calcium

Calcium is one of the more abundant cations in surface and ground waters. It is readily soluble in water and enters the environment through weathering of rocks, especially limestone. Concentrations of calcium in surface waters reflects the proximity of calcium rich geologic formations. Calcium in the study area range from a high of 41.5 mg/l at BW-1 to a low of 22.7 mg/l at BB-6.

5.2.13 Chromium

Chromium is generally present at low levels in all surface waters. All stations had levels below the detection limit of 0.001 mg/l.

5.2.14 Cobalt

Cobalt concentrations in surface water is generally low (<0.001 mg/l).Levels in the study area range from a high of 0.002 mg/l at BB-2,BB-3,BB-4 and BW-1 to a low of 0.001 mg/l at all other stations.

5.2.15 Copper

Copper is a common metallic element in the earth's crust. Concentrations of extractable copper range from a high of 0.002 mg/l at BB-5 to a low of 0.001 mg/l at stations BB-1.BB-2,BB-3,BB-4. Dissolved copper concentrations range from a high of 0.003 mg/l at BW-2 to a low of 0.001 mg/l at all other stations. These levels are well below the guidelines for copper concentrations in hard and very hard waters.

5.2.16 Iron

Iron is the fourth most abundant element in the earth's crust. It is released into the environment from weathering of sulfide ores (pyrite,FeS2). Levels in surface waters are usually less than 0.05 mg/l. In the study area iron levels range from a high of 0.1 mg/l

(extractable) at BW-1 to near or below detection limits at all other stations.

5.2.17 Lead

Lead concentrations (extractable) were below detection limits of 0.004 mg/l at all other stations except for BB-6 with a level of 0.012 mg/l.

5.2.18 Magnesium

Magnesium is a common constituent of natural waters and levels in the study area are common of Canadian surface waters (NAQUADAT,1985). Magnesium levels range from a high of 23.8 mg/l at BW-1 to a low of 13.6 mg/l at BB-1.

5.2.19 Manganese

Concentrations of manganese in surface waters are generally less than 0.2 mg/l. Levels range from a high of 0.015 mg/l at BW-1 to below the detection limit at most stations.

5.2.20 Mercury

Mercury levels at all stations are below the detection limit of 0.1 mg/l.

5.2.21 Molybdenum

Molybdenum levels at all stations are below the detection limit of 0.005 mg/l.

5.2.22 Nickel

Nickel concentrations in Canadian surface waters are generally <0.001 to 0.003 mg/l (NAQUADAT,1985). Levels at all stations were within this range with a high of 0.002 mg/l at BB-2, BB-3, BB-4 and BW-1 (all

extractable).

5.2.23 Phosphorus

Phosphorus concentrations range from a high of 0.03 mg/l at BW-1, BW-2 and BB-2 to a low of 0.02 mg/l at all other stations. These levels are within the range of 0.003 to 3.0 mg/l found in western Canadian surface waters (NAQUADAT,1985).

5.2.24 Potassium

Concentrations of potassium range from a high of 1.36 mg/l at BB-4 to a low of 0.19 mg/l at BB-6. Canadian surface waters generally range from <0.1 mg/l to 9.3 mg/l (NAQUADAT,1985).

5.2.25 Selenium

Selenium concentrations at all stations were at or below the detection limit of 0.01 mg/l.

5.2.26 Silicon

Silicon is the second most abundant element in the earth's crust. The major sources of silicon in water are feldspars,micas and clay minerals.Surface water concentrations generally range from 0.3 to 25.4 mg/l. Levels in the study area are low, ranging from a high of 2.0 mg/l at BW-1 to a low of 1.2 mg/l at BB-1.

5.2.27 Silver

Silver was not detected at any of the sample stations.Silver is generally not present in a majority of surface water.

5.2.28 Sodium

Sodium is the sixth most abundant element in the earth's crust. Water

in contact with igneous rocks provides a natural source of sodium,although weathering of salt deposits is the major source. Sodium in Canadian surface waters varies greatly,ranging from below 0.01 mg/l to more than 1000 mg/l (NAQUADAT,1985). Concentrations in the study area range from a high of 1.12 mg/l at BB-4 to a below the detection limit of 0.05 mg/l at BB-1.

5.2.29 Strontium

Naturally occurring strontium is not radioactive.It is fairly soluble in water and levels in the study area are low. Concentrations range from a high of 0.054 mg/l at BW-1 to a low of 0.021 mg/l at BB-6.

5.2.30 Thorium

Thorium concentrations at all stations are below the detection limit of 0.02 mg/l.

5.2.31 Titanium

Titanium concentrations at all stations are below the detection limit of 0.001 mg/l.

5.2.32 Uranium

Uranium levels are at or below detection limits (0.02 mg/l) at most stations with a high of 0.03 mg/l at BB-3 and BB-5.

5.2.33 Vanadium

Concentrations of vanadium at all stations are below the detection limit of 0.0005 mg/l.

5.2.34 Zinc

Zinc is usually present in surface waters in trace amounts of <0.05

mg/l. Levels in the study area range from a high of 0.030 mg/l at BB-6 to a low of 0.001 mg/l at BB-3.

5.2.35 Zirconium

Concentrations of zirconium were below the detection limit of 0.001 mg/l at all stations.

5.2.36 Turbidity

Turbidity values were very low at all stations.

5.2.37 Total Solids

Total dissolved solids levels range from a high of 273 mg/l at BW-1 to a low of 157 mg/l at BB-1.

5.2.38 Nitrite

Nitrites are normally absent in surface waters or if present are found in minute quantities. All stations have nitrite levels below the detection limit of 0.05 mg/l.

5.2.39 Nitrate

Surface waters contain at least trace amounts of nitrates,usually at levels below 1.0 mg/l. Stations sampled had levels of nitrate ranging from a high of 0.18 mg/l at BB-4 and BB-3 to below detection limit (0.05 mg/l) at BW-2.

5.2.40 Sulfate

Sulfate concentrations in Canadian surface waters range from below detection limits to several hundred milligrams per liter (NAQUADAT,1985). In the study area sulfate levels range from a high of 38.8 mg/l at BB-2 to a low of 10.8 mg/l at BB-6.

5.2.41 Total Phosphate

All stations sampled had phosphate levels below the detection limit of 0.005 mg/l.

5.2.42 Ammonia

Surface waters generally contain ammonia at concentrations below 0.1 mg/l. All stations sampled had levels below the detection limit of 0.05 mg/l.

5.2.43 Total Cyanide

Total cyanide levels at all stations was below the detection limit of 0.005 mg/l.

5.2.44 Hardness

Hardness is an important modifying factor for influencing the form and toxicity of some heavy metals. All stations sampled had hard water (value 121 to 180 mg/l as CaCO3) except for BB-6 which had a hardness classification of moderately soft (value 61 to 120 mg/l as CaCO3).

6.0 Summary

There are no anomalies apparent in the water quality data.

There are low or non-detectable concentrations of heavy metals in water draining the Blende property with the exception of iron and lead at station BB-6. The slightly elevated levels of iron and lead at BB-6 are likely the result of weathering of galena and chalcopyrite

mineralization associated with the deposit. Dissolved levels of both iron and lead are a small percentage of the total extractable value.

The alkalinity values for all stations are greater than 99 mg/l as CaCO3. Together with slightly alkaline pH values, the area has a good buffering capacity for neutralizing acid mine drainage.

Hardness values ranging from 113 mg/l to 201 mg/l as CaCO3 indicate 'hard' water throughout the study area. Hardness exhibits a significant effect on the toxicity of heavy metals to aquatic life, higher concentrations of heavy metals can be tolerated in harder water.

7.0 Recommendations

This survey represents water quality in the surface waters as flows decrease after spring runoff. A second sampling event at low flow conditions would be beneficial in accurately representing water quality for the study area.

Should development of this deposit proceed, selection of locations for mill site and tailings impoundment should be augmented by more detailed and site specific water quality data.

Prior to development a survey of benthic and fish populations should also be done. Changes in both population structures can then be monitored during and after development to assess impacts.

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WATER QUALITY INVESTIGATION OF THE BLENDE CLAIMS

AUGUST 1990

Prepared for

ARCHER,CATHRO & ASSOCIATES(1981)LIMITED

Prepared by

J.E.GIBSON

October 1990

Table of Contents

	Page
Table of Contents	i
List of Figures	ii
List of Tables	iii
1.0 **Introduction**	1
2.0 **Study Area**	1
2.1 Sample Stations	1
3.0 **Methods**	4
4.0 **Field Measurements**	5
5.0 **Results**	8
5.1 Field Measurements	8
5.2 Chemical Analysis	8
Alkalinity	17
pH	17
Conductivity	17
Turbidity	17
Total Solids	17
Suspended Solids	18
Nitrite	18
Nitrate	18
Sulfate	18
Ammonia	18
Total Cyanide	19
Total Hardness	19
Aluminum	19
Antimony	19
Arsenic	19
Barium	19
Beryllium	20
Bismuth	20
Boron	20
Cadmium	20
Chromium	20
Cobalt	20
Copper	20
Iron	21
Lead	21
Lithium	21
Magnesium	21
Manganese	21
Molybdenum	22
Nickel	22
Phosphorus	22
Potassium	22
Selenium	22
Silicon	23
Silver	23
Sodium	23
Strontium	23

Thorium 23
Titanium 23
Uranium 23
Vanadium 24
Zinc 24
Zirconium 24

6.0 Summary 24

7.0 Recommendation 25

References

List of Figures

	Page
Figure 1. Location of the Blende Property	2
Figure 2. Sample Station Locations	3

List of Tables

Page

Table 1. Field measurements of pH, conductivity and water temperature. Blende Claims. August 20 & 21,1990. 6

Table 2. Creek discharge volumes. Blende Claims. August 20 & 21,1990. 7

Table 3. Water Quality Data for Blende Claims. August 20 & 21,1990. 9

1.0 Introduction

John Gibson was contracted by Archer Cathro & Associates (1981) Limited to conduct a water quality survey of the surface waters in the area of the Blende mineral property. The initial survey was conducted on June 27 and 28,1990 with the results reported in August, 1990 (A Preliminary Water Quality Investigation of The Blende Claims).

The second survey was conducted on August 20 and 21, 1990. The following report details the second sampling and compares the water quality analysis results with the initial sampling.

For more detailed information about the study area (site descriptions and watershed measurements), please consult the initial report.

2.0 Study Area

The Blende mineral property is located in the Wernecke Mountains 65 air kilometers north north east of Keno City,Yukon. Surface waters draining the mineralized zones are tributaries to the Wind River and Mackenzie River to the north and Williams Creek, Beaver River and Stewart River to the south (Figure 1).

2.1 Sample Stations

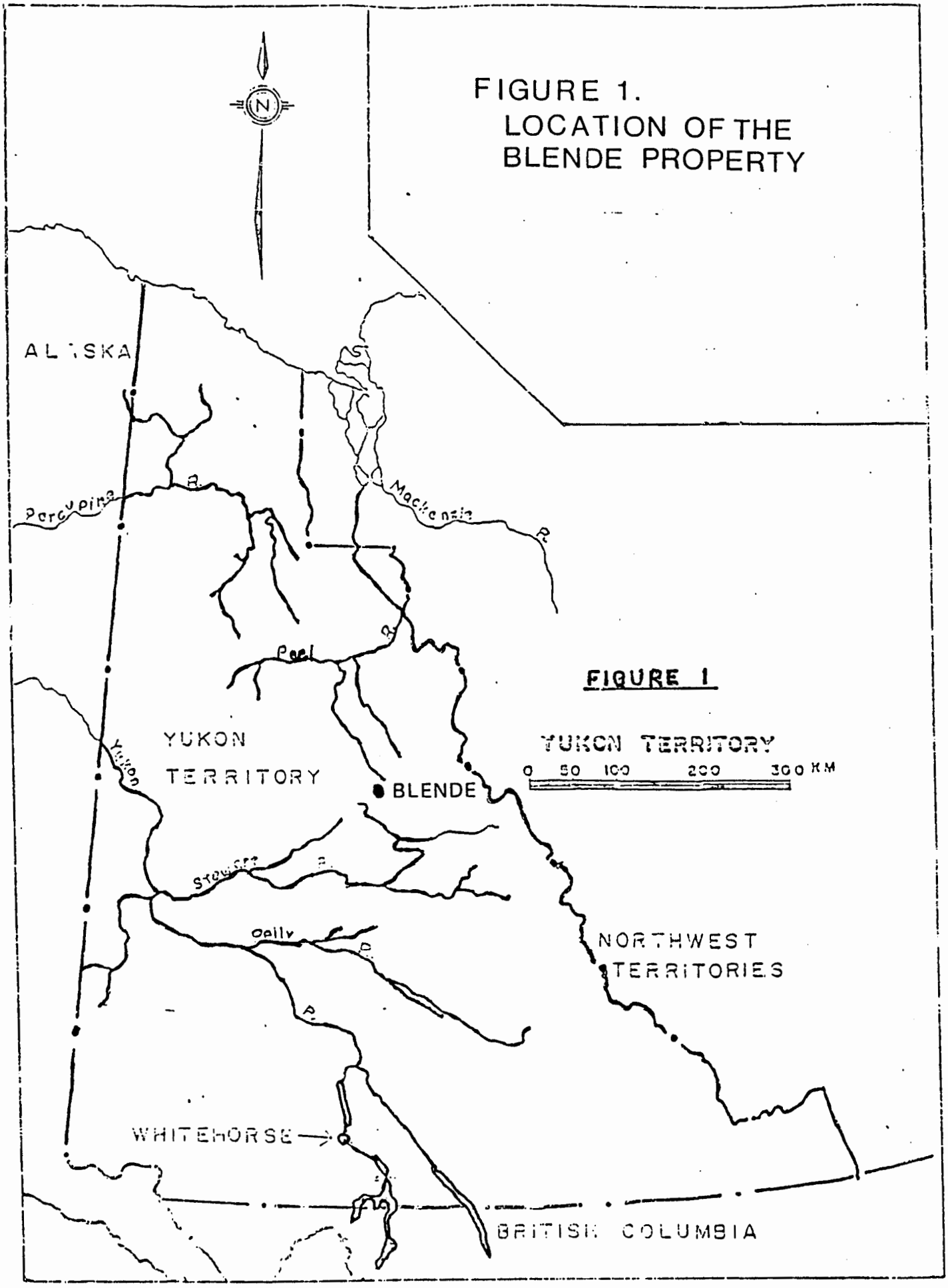
FIGURE 1.
LOCATION OF THE
BLENDE PROPERTY
N
ALASKA
Porcupine R.
Mackenzie R.
Peel R.
YUKON
TERRITORY
Yukon R.
BLENDE
Stewart R.
Pelly R.
NORTHWEST
TERRITORIES
WHITEHORSE
BRITISH COLUMBIA
FIGURE 1
YUKON TERRITORY
0 50 100 200 300 KM

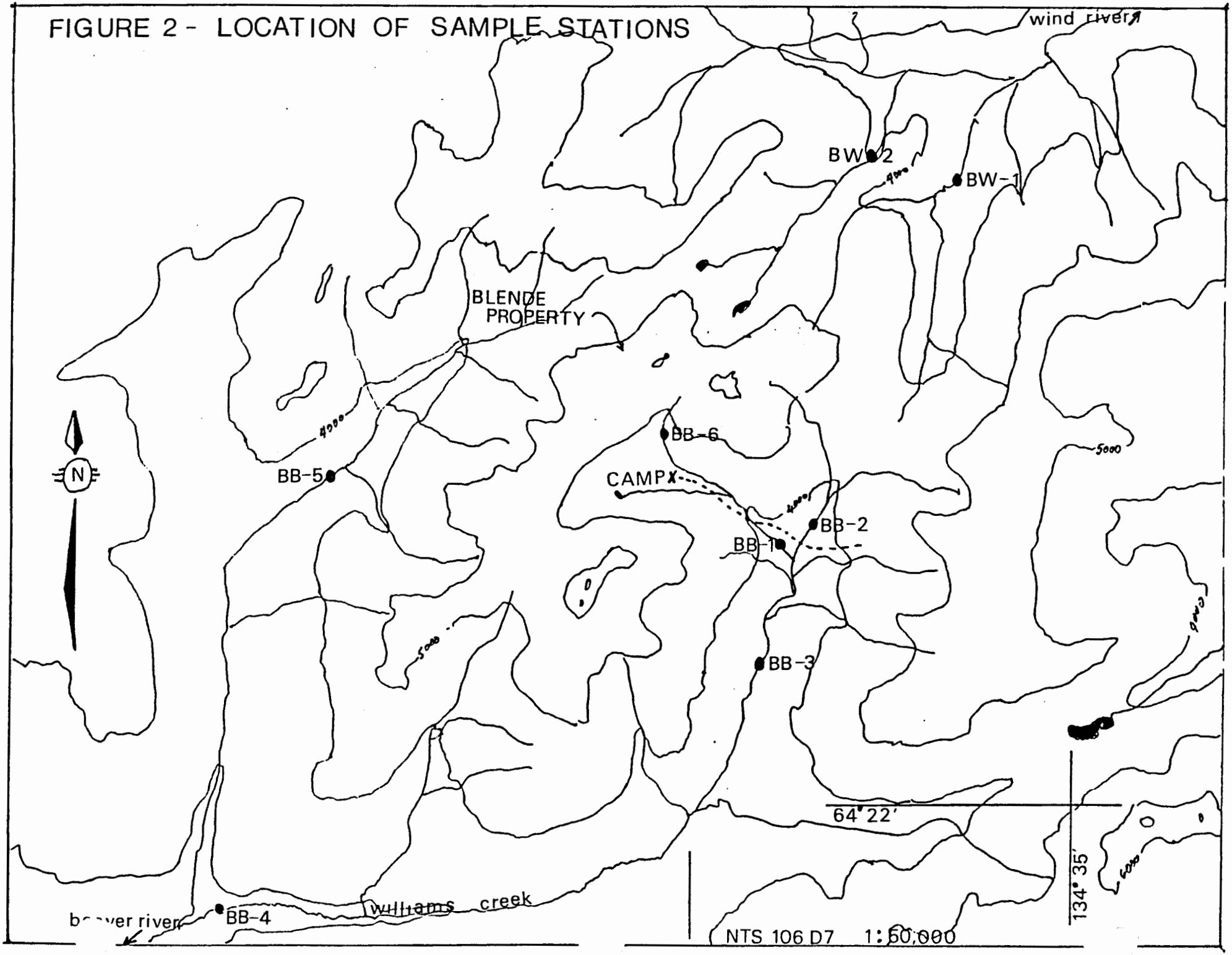
FIGURE 2 - LOCATION OF SAMPLE STATIONS
wind river
BW-2
BW-1
BLENDE
PROPERTY
BB-6
BB-5
CAMP
BB-2
BB-1
BB-3
N
4000
5000
64° 22'
134° 35'
beaver river
BB-4
williams creek
NTS 106 D7 1:50,000

The eight sample stations established during the June,1990 survey were resampled on August 27 and 28,1990. Six stations are located on tributaries to the Beaver River, two stations on tributaries to the Wind River (Figure 2). Station BB-2, initially established as a background water quality station may be unsuitable as further exploration has extended the mineralized zone across the stream channel at the station. An alternate background water quality station may be required. Sample station locations and descriptions are:

BB-1. Creek draining the south face of the deposit. Station is 100m above its confluence with channel flowing in from the north.

BB-2. Williams Creek above confluence with BB-1 creek.

BB-3. Williams Creek 1000m downstream of station BB-2.

BB-4. Williams Creek (east fork) above the forks. This is the present downstream water quality station.

BB-5. Williams Creek (west fork) on the north side of deposit.

BB-6. Creek draining south face of deposit upstream of the drill water sump.

BW-1. Wind River tributary to the north east of deposit.

BW-2. Wind River tributary to the north of the deposit. Tributary headwaters are two small cirque lakes.

Stations BB-1, BB-2, BB-3 were sampled from the camp by all terrain vehicle. All other stations were accessed by helicopter.

3.0 Methods

Water quality samples were taken at each station using acid washed

Nalgene sample bottles supplied by Quanta Trace Laboratories of Vancouver. A 1 liter sample was taken for total cyanide analysis. This sample bottle came supplied with sodium hydroxide (NaOH) preservative. A 1 liter sample was taken for "ions" analysis (ammonia, sulfate, nitrate,nitrite and phosphorus). This bottle was filled completely, sealed tightly and kept a 4 degrees Celsius. Another 1 liter bottle was taken for "routine" analysis (lab pH, alkalinity, turbidity, lab conductivity, total solids, suspended solids and hardness). A 100 ml sample was taken for each total and dissolved metals. The sample for dissolved metals was first filtered using a hand vacuum pump with a 45 micron filter. Both metal samples were then preserved with 0.5 ml of nitric acid (HNO3).

Except for the cyanide sample bottle, all bottles were rinsed three times with sample water prior to filling. In the case of dissolved metals, the bottle was rinsed with filtered water. Filled bottles were then capped, marked with sample station and required analysis. The information was also recorded in a field note book along with date, time, field measurements and general observations. Stream flow measurements of each creek were taken after sampling was complete.

4.0 Field Measurements

Field measurements for pH, conductivity, temperature and streamflow were taken at each station. Conductivity was taken using a Hanna Instruments DiST 3 ATC meter,pH using a Hanna Instruments pHep meter and temperature using a standard water thermometer registering in degrees Celsius. The above measurements are listed by station in Table 1. Streamflow volume was measured using a Price velocity meter and cross sectional area calculations. Streamflow volume by station is listed in Table 2.

TABLE 1. FIELD MEASUREMENTS OF pH, CONDUCTIVITY, AND WATER TEMPERATURE...BLENDE CLAIMS. AUGUST 20 & 21,1990

STATION	pH(R.U.)	COND(us/cm)	TEMP(Celsius)
BB-1	8.3	290	3.5
BB-2	8.4	290	4.5
BB-3	8.4	290	3.0
BW-2	8.3	340	5.5
BW-1	8.1	400	6.0
BB-6	8.6	180	0
BB-5	8.4	300	5.0
BB-4	8.3	310	6.0

TABLE 2. CREEK DISCHARGE VOLUMES...BLENDE CLAIMS.
AUGUST 20 & 21,1990

STATION	TIME	DISCHARGE FLOWS		
		CMS	CFS	IGPM
BB-1	Aug.20th-1020	0.184	6.50	2430
BB-2	1100	0.079	2.79	1043
BB-3	Aug.21st-0905	0.415	14.66	5481
BW-2	Aug.20th-1520	0.113	3.99	1492
BW-1	1430	0.091	3.21	1202
BB-5	1610	0.401	14.16	5296
BB-4	Aug.21st-1031	0.970	34.25	12,811
BB-6	Aug.20th-1140	0.020(estimate)		

5.0 Results

5.1 Field Measurements

Field measurements for pH, conductivity and water temperature are listed in Table 1. All field measurements are generally consistent with repeat laboratory measurements. Conductivity ranges from a low of 180 us/cm at station BB-6 to a high of 400 us/cm at BW-1. pH ranges from a low of 8.1 relative units at Bw-1 to a high of 8.6 at BB-6. Water temperature wasn't repeated in the laboratory.

In comparison with field measurements taken in June,1990, all stations except BB-6 show increased conductivity with a maximum increase of 37% at both BB-1 and BW-2. pH measurements show little variation over the June results with small increases (three/tenths maximum at BB-3) at most stations. The only station to show a decrease in pH was BB-6 which dropped from 9.1 relative units to 8.6. Laboratory measurements show a smaller decrease in pH at BB-6.

Increases in conductivity are likely the result of increased surface water runoff from precipitation the week prior to sampling.

Field measurements for streamflow are listed in Table 2. Increases in volume were measured at all stations except BW-1. Increases range from a maximum of 57% at BB-2 to a minimum of 24% at BB-3. Station BW-1 shows a volume decrease of 14%.

5.2 Chemical Analysis

Water quality analysis results are presented in Tables 3 and 4. All laboratory analysis was done by Quanta Trace Laboratories of Burnaby. All discussion is based on extractable values. There are no apparent

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type	water	water	water	water
Identification	BB1 Blende	BB1 Blende	BB2 Blende	BB2 Blende
Alkalinity-CaCO3				
Total	91.	-	122.	-
Results in	mg/l		mg/l	
Physical Tests				
pH	8.1	-	8.2	-
Conduct. uS/cm	298.	-	277.	-
Turbidity FTU	3.	-	< 1.	-
Tot. Solids mg/l	230.	-	193.	-
Sus. Solids mg/l	< 5.	-	< 5.	-
Anions By IEC				
Nitrite NO2-N	< 0.5	-	< 0.5	-
Nitrate NO3-N	0.60	-	< 0.05	-
Sulfate SO4	67.2	-	34.8	-
Results in	mg/l		mg/l	
Ions By SIE				
Ammonia NH3-N	< 0.05	-	< 0.05	-
Results in	mg/l		mg/l	
Total Cyanide CN	< 0.005	-	0.02	-
Results in	mg/l		mg/l	
Total Hardness				
as CaCO3 mg/l	155.		151.	

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type	water	water	water	water
Identification	BB3 Blende	BB3 Blende	BB4 Blende	BB4 Blende
Alkalinity-CaCO3				
Total	119.	-	151.	-
Results in	mg/l		mg/l	
Physical Tests				
pH	8.1	-	8.2	-
Conduct. uS/cm	295.	-	315.	-
Turbidity FTU	< 1.	-	< 1.	-
Tot. Solids mg/l	203.	-	222.	-
Sus. Solids mg/l	< 5.	-	< 5.	-
Anions By IEC				
Nitrite NO2-N	< 0.5	-	< 0.5	-
Nitrate NO3-N	0.21	-	0.23	-
Sulfate SO4	37.7	-	22.3	-
Results in	mg/l		mg/l	
Ions By SIE				
Ammonia NH3-N	< 0.05	-	< 0.05	-
Results in	mg/l		mg/l	
Total Cyanide CN	< 0.005	-	< 0.005	-
Results in	mg/l		mg/l	
Total Hardness				
as CaCO3 mg/l	156.		161.	

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type	water	water	water	water
Identification	BB5 Blende	BB5 Blende	BB6 Blende	BB6 Blende
Alkalinity-CaCO3				
Total	123.	-	95.	-
Results in	mg/l		mg/l	
Physical Tests				
pH	8.2	-	8.0	-
Conduct. uS/cm	308.	-	201.	-
Turbidity FTU	< 1.	-	7.	-
Tot. Solids mg/l	213.	-	144.	-
Sus. Solids mg/l	< 5.	-	< 5.	-
Anions By IEC				
Nitrite NO2-N	< 0.5	-	< 0.5	-
Nitrate NO3-N	< 0.05	-	0.53	-
Sulfate SO4	43.4	-	13.8	-
Results in	mg/l		mg/l	
Ions By SIE				
Ammonia NH3-N	< 0.05	-	< 0.05	-
Results in	mg/l		mg/l	
Total Cyanide CN	< 0.005	-	< 0.005	-
Results in	mg/l		mg/l	
Total Hardness				
as CaCO3 mg/l	158.		108.	

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type	water	water	liquid	liquid
Identification	BW1 Blende	BW1 Blende	BW2 Blende	BW2 Blende
Alkalinity-CaCO3				
Total	148.	-	103.	-
Results in	mg/l		mg/l	
Physical Tests				
pH	8.1	-	8.2	-
Conduct. uS/cm	395.	-	350.	-
Turbidity FTU	< 1.	-	< 1.	-
Tot. Solids mg/l	286.	-	255.	-
Sus. Solids mg/l	< 5.	-	< 5.	-
Anions By IEC				
Nitrite NO2-N	< 0.5	-	< 0.5	-
Nitrate NO3-N	< 0.05	-	< 0.05	-
Sulfate SO4	79.3	-	85.5	-
Results in	mg/l		mg/l	
Ions By SIE				
Ammonia NH3-N	< 0.05	-	< 0.05	-
Results in	mg/l		mg/l	
Total Cyanide CN	< 0.005	-	< 0.005	-
Results in	mg/l		mg/l	
Total Hardness				
as CaCO3 mg/l	223.		180.	

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type		water	water	water	water
Identification		BB1 Blende	BB1 Blende	BB2 Blende	BB2 Blende
Method used		dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3	dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3
Aluminum	Al	0.111	0.123	0.098	0.101
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.004	0.004	0.010	0.010
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Bismuth	Bi	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	Cd	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Calcium	Ca	33.3	35.0	28.8	29.2
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	< 0.001	< 0.001	< 0.001	< 0.001
Copper	Cu	< 0.001	< 0.001	< 0.001	< 0.001
Iron	Fe	< 0.005	0.044	< 0.005	< 0.005
Lead	Pb	< 0.004	< 0.004	< 0.004	< 0.004
Lithium	Li	< 0.05	< 0.05	< 0.05	< 0.05
Magnesium	Mg	17.2	18.1	19.0	19.0
Manganese	Mn	< 0.001	0.007	< 0.001	0.002
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	< 0.001	< 0.001	< 0.001	< 0.001
Phosphorus	P	< 0.02	< 0.02	< 0.02	< 0.02
Potassium	K	0.63	0.71	0.20	0.21
Selenium	Se	< 0.01	< 0.01	< 0.01	< 0.01
Silicon	Si	1.3	1.3	1.6	1.6
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	0.16	0.25	0.21	0.23
Strontium	Sr	0.026	0.028	0.029	0.029
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	< 0.02	< 0.02	< 0.02	< 0.02
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.002	0.004	0.014	0.015
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001
Results in		mg/l	mg/l	mg/l	mg/l

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type / Identification		water BB3 Blende	water BB3 Blende	water BB4 Blende	water BB4 Blende
Method used		dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3	dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3
Aluminum	Al	0.106	0.184	0.106	0.116
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.010	0.010	0.020	0.021
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Bismuth	Bi	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	Cd	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Calcium	Ca	32.2	33.3	32.9	34.2
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	< 0.001	< 0.001	< 0.001	< 0.001
Copper	Cu	< 0.001	< 0.001	< 0.001	< 0.001
Iron	Fe	< 0.005	0.011	< 0.005	< 0.005
Lead	Pb	< 0.004	< 0.004	< 0.004	< 0.004
Lithium	Li	< 0.05	< 0.05	< 0.05	< 0.05
Magnesium	Mg	18.2	18.9	18.9	19.4
Manganese	Mn	< 0.001	0.007	< 0.001	< 0.001
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	< 0.001	< 0.001	< 0.001	< 0.001
Phosphorus	P	< 0.02	< 0.02	< 0.02	< 0.02
Potassium	K	0.56	0.60	1.10	1.16
Selenium	Se	< 0.01	< 0.01	< 0.01	< 0.01
Silicon	Si	1.5	1.6	1.9	1.9
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	0.20	0.22	0.78	0.87
Strontium	Sr	0.026	0.027	0.030	0.031
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	< 0.02	< 0.02	< 0.02	< 0.02
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.003	0.005	0.001	0.001
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001
Results in		mg/l	mg/l	mg/l	mg/l

Table 3. Water Quality Data for Blende Claims, August 20 & 21,1990.

Sample type		water	water	water	water
Identification		BB5 Blende	BB5 Blende	BB6 Blende	BB6 Blende
Method used		dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3	dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3
Aluminum	Al	0.101	0.101	0.093	0.106
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.055	0.056	0.005	0.005
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Bismuth	Bi	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	Cd	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Calcium	Ca	30.0	31.0	21.6	22.0
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	< 0.001	< 0.001	< 0.001	< 0.001
Copper	Cu	< 0.001	< 0.001	< 0.001	< 0.001
Iron	Fe	< 0.005	< 0.005	< 0.005	0.120
Lead	Pb	< 0.004	< 0.004	< 0.004	0.033
Lithium	Li	< 0.05	< 0.05	< 0.05	< 0.05
Magnesium	Mg	20.1	20.7	13.0	13.2
Manganese	Mn	< 0.001	< 0.001	0.002	0.024
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	< 0.001	< 0.001	< 0.001	< 0.001
Phosphorus	P	< 0.02	< 0.02	< 0.02	< 0.02
Potassium	K	0.37	0.43	0.10	0.19
Selenium	Se	< 0.01	< 0.01	< 0.01	< 0.01
Silicon	Si	1.6	1.6	1.2	1.2
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	0.15	0.22	0.26	0.35
Strontium	Sr	0.039	0.040	0.017	0.018
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	< 0.02	< 0.02	< 0.02	< 0.02
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.002	0.007	0.025	0.074
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001
Results in		mg/l	mg/l	mg/l	mg/l

Table 3. Water Quality Data for Blende Claims, August 20 & 21, 1990.

Sample type		water	water	liquid	liquid
Identification		BW1 Blende	BW1 Blende	BW2 Blende	BW2 Blende
Method used		dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3	dissolved filt. 0.45u 1% HNO3	extractable 1% HNO3
Aluminum	Al	0.116	0.118	0.115	0.128
Antimony	Sb	< 0.05	< 0.05	< 0.05	< 0.05
Arsenic	As	< 0.05	< 0.05	< 0.05	< 0.05
Barium	Ba	0.060	0.061	0.043	0.044
Beryllium	Be	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Bismuth	Bi	< 0.01	< 0.01	< 0.01	< 0.01
Cadmium	Cd	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Calcium	Ca	42.9	43.4	35.6	36.7
Chromium	Cr	< 0.001	< 0.001	< 0.001	< 0.001
Cobalt	Co	< 0.001	< 0.001	< 0.001	< 0.001
Copper	Cu	< 0.001	< 0.001	< 0.001	< 0.001
Iron	Fe	0.007	0.011	< 0.005	0.134
Lead	Pb	< 0.004	< 0.004	< 0.004	< 0.004
Lithium	Li	< 0.05	< 0.05	< 0.05	< 0.05
Magnesium	Mg	28.0	27.6	22.0	23.3
Manganese	Mn	0.002	0.005	< 0.001	0.031
Molybdenum	Mo	< 0.005	< 0.005	< 0.005	< 0.005
Nickel	Ni	< 0.001	< 0.001	0.001	< 0.001
Phosphorus	P	< 0.02	< 0.02	< 0.02	< 0.02
Potassium	K	0.22	0.66	0.26	0.33
Selenium	Se	< 0.01	< 0.01	< 0.01	< 0.01
Silicon	Si	2.1	2.1	1.4	1.5
Silver	Ag	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	Na	1.31	0.32	0.08	0.16
Strontium	Sr	0.054	0.058	0.049	0.046
Thorium	Th	< 0.02	< 0.02	< 0.02	< 0.02
Titanium	Ti	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	U	< 0.02	< 0.02	< 0.02	< 0.02
Vanadium	V	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Zinc	Zn	0.005	0.009	0.006	0.010
Zirconium	Zr	< 0.001	< 0.001	< 0.001	< 0.001
Results in		mg/l	mg/l	mg/l	mg/l

water quality anomalies in surface waters draining the Blende property.There were marginal increases in concentrations of aluminum, iron,lead, magnesium and manganese over the June, 1990 sampling results. Marginal decreases in copper, nickel and phosphorus are also apparent.

Please note that the format for tables of water quality results has changed from the previous report.

Alkalinity

Alkalinity values show no significant variation from the previous sampling. Values range from a high of 166 mg/l as CaCO3 at BB-6 to a low of 91 mg/l as CaCO3 at BB-1.

pH

Laboratory pH values range from a high of 8.4 relative units at BB-4 to a low of 8.1 at BB-6 and BW-1. Values show no significant change from the previous sampling. Surface waters remain slightly alkaline.

Conductivity

Conductivity remains moderately high at all stations. Laboratory values show an increase at all stations to a maximum of 36% at BW-2. In contrast to field measurements, laboratory results show no decrease in conductivity at BB-6.

Turbidity

Turbidity values remain very low at all stations. A small increase (<5 to 7 FTU) is noted at station BB-6. All other stations remain at or near detection limit.

Total Solids

Total solids values range from a high of 286 mg/l at BW-1 to a low of 144 mg/l at BB-6.

Suspended Solids

As with the June,1990 sampling, suspended solids levels at all stations remain <5 mg/l.

Nitrite

All stations have nitrite levels below the detection limit of 0.05 mg/l. This is consistent with the June sampling.

Nitrate

Nitrate levels show a slight increase in most stations on tributaries to the Beaver River. Wind River tributary stations remain the same or have decreased values. Values for all stations remain less than 1.0 mg/l.Levels for Beaver River tributaries range from highs at BB-1 (0.60 mg/l) and BB-6 (0.53 mg/l) to below the detection limit at BB-2.

Sulfate

Sulfate levels can exceed several hundred milligrams per liter in surface waters. Levels at the Blende range from a high of 85.5 mg/l at BW-2 to a low of 13.8 mg/l at BB-6. Concentrations at most stations have increased from June levels with the most significant increases being at:

BB-6 - 18.5 to 67.2 mg/l

BW-1 - 23.5 to 79.3 mg/l

BW-2 - 18.0 to 85.5 mg/l

Ammonia

Ammonia concentrations remain at below the detection limit of 0.05

mg/l at all stations.

Total Cyanide

Total cyanide concentrations remain below the detection limit of 0.005 mg/l at all stations except for BB-2. Station BB-2 shows an increase from below detection in June to 0.02 mg/l in August.

Total Hardness

Hardness values remain consistent with June values. All stations again had hard water (121 to 180 mg/l as CaCO3) except for BB-6 which again has a hardness classification of moderately soft (61 to 120 mg/l as CaCO3).

Aluminum

Aluminum concentrations range from a high of 0.184 mg/l at BB-3 to a low of 0.101 mg/l at BB-2 and BB-5. These levels show very slight increases over the June sampling. At all stations a majority of the aluminum is in a dissolved form, consistent with the metal's ready mobilization to surface waters by weathering and the measured surface water increases over the June sampling.

Antimony

Antimony levels remain below the detection limit of 0.05 mg/l at all stations.

Arsenic

Arsenic levels remain below the detection limit of 0.05 mg/l at all stations.

Barium

Barium concentrations remain low with a range from a high at BW-1 of 0.06 mg/l to a low of 0.005 mg/l again at BB-6.

Beryllium

Beryllium levels were again below the detection limit of 0.0005 mg/l at all stations.

Bismuth

Bismuth levels were below the detection limit of 0.01 mg/l at all stations.

Boron

Boron wasn't analyzed for in this sampling.

Cadmium

Cadmium levels were below the detection limit of 0.0003 mg/l at all stations. The June, 1990 sampling detected cadmium at levels of 0.0004 mg/l at stations BW-1 and BW-2.

Chromium

Chromium levels were again below the detection limit of 0.001 mg/l at all stations.

Cobalt

Cobalt concentrations were below the detection limit of 0.001 mg/l at all stations. The previous sampling detected cobalt at levels of 0.002 mg/l at stations BB-2, BB-3, BB-4 and BW-1.

Copper

Copper levels at all station were below the detection limit of 0.001

mg/l. The previous sampling detected levels of 0.002 mg/l at station BB-5, with all other stations at 0.001 mg/l.

Iron

Iron levels range from a high of 0.134 mg/l at BW-2 to below the detection limit of 0.005 mg/l at BB-2. Increases in iron concentrations are noted at BB-1 (0.008 to 0.044 mg/l), BB-3 (<0.005 to 0.011 mg/l) and at BB-6 (0.032 to 0.120 mg/l).A decrease in iron is noted at BW-1 (0.10 to 0.01 mg/l).

Lead

Lead concentrations are below detection limit at all stations except for BB-6 (o.033 mg/l). This is consistent with the June sampling, however the levels at BB-6 have increased from 0.012 to 0.033 mg/l between samples.

Lithium

Lithium levels are below detection limits (0.05 mg/l) at all stations. Lithium wasn't analyzed for in the first sampling.

Magnesium

Magnesium levels are consistent with the previous sample results for the stations on Beaver River tributaries. An increase is noted at both Wind River tributary stations, BW-1 (16.1 to 27.6 mg/l) and BW-2 (16.2 to 23.3 mg/l). Levels are still within the normal range for surface waters.

Manganese

Manganese concentrations in surface waters are generally less than 0.2 mg/l (NAQUADAT,1985). Levels in the study area range from a high of

0.034 mg/l at BW-2 to below the detection limit at BB-4. Levels increased at stations BB-1 (<0.001 to 0.007 mg/l), BB-2 (<0.001 to 0.002 mg/l), BB-3 (<0.001 to 0.007 mg/l), BB-6 (0.005 to 0.024 mg/l) and BW-2 (<0.001 to 0.031 mg/l). The only decrease in manganese levels was at BW-1 (0.015 to 0.005 mg/l). All levels remain well below acceptable concentrations for surface waters.

Molybdenum

Molybdenum concentrations at all station are again below the detection limit of 0.005 mg/l.

Nickel

Nickel levels at all stations are at or below the detection limit of 0.001 mg/l. These results indicate a decrease in nickel concentrations over the June sampling when levels of 0.002 mg/l were found at stations BB-2, BB-3, BB-4, and BW-1.

Phosphorus

Phosphorus levels were below the detection limit of 0.02 mg/l at all stations. On the previous sampling, levels of 0.03 mg/l were found at BW-1, BW-2 and BB-2.

Potassium

Potassium levels range from a high of 1.16 mg/l at BB-4 to a low of 0.19 mg/l at BB-6. This is consistent with levels found in the first sampling. Concentrations are again within the range found in Canadian surface waters.

Selenium

As with the previous sampling, selenium levels are below the detection

limit of 0.01 mg/l at all stations.

Silicon

Silicon concentrations range from a high of 2.1 mg/l at BW-1 to a low of 1.2 mg/l at BB-6. This is consistent with previous sample results.

Silver

Silver concentrations are again below the detection limit of 0.001 mg/l at all stations.

Sodium

Sodium levels range from a high of 0.87 mg/l at BB-4 to a low of 0.16 mg/l at BW-2. Dissolved sodium results for station BW-1 appear incorrect.

Strontium

Strontium levels range from a high of 0.054 mg/l at BW-1 to a low of 0.018 mg/l at BB-6. These results are very similar to previous results.

Thorium

Thorium concentrations at all stations are below the detection limit of 0.02 mg/l.

Titanium

Titanium concentrations at all stations are below the detection limit of 0.001 mg.l.

Uranium

Uranium levels are below the detection limit of 0.02 mg/l at all

stations.

Vanadium

Vanadium levels are below the detection limit of 0.0005 mg/l at all stations.

Zinc

Zinc levels range from a high of 0.074 mg/l at BB-6 to a low of 0.001 mg/l at BB-4. The previous sampling had a high of 0.30 mg/l at BB-6 with a low of 0.001 mg/l at BB-3. Levels are slightly elevated above normal surface water concentrations as expected near a sulfide ore deposit.

Zirconium

Zirconium levels are below the detection limit of 0.001 mg/l at all stations.

6.0 Summary

There are again no anomalies apparent in the water quality data. There are low or non-detectable concentrations of heavy metals in surface waters draining the Blende property with the exception of iron and lead at station BB-6 again. Iron and lead levels have increased slightly over concentrations found during the June sampling. This is again likely the result of increased weathering of galena and chalcopyrite mineralized country rock due to moderately heavy precipitation the week prior to sampling. This is most evident at Station BB-6 which has the smallest watershed with steep slopes and no soil or vegetation cover and thereby a reduced lapse time between

precipitation and increased surface flow.

Alkalinity, pH and hardness values remain consistent with the previous sampling data indicating a continued good buffering capacity and metal toxicity reduction at the increased streamflow volumes.

7.0 **Recommendations**

This survey represents water quality in the study area when streamflow is increased as a result of a relatively heavy precipitation event. Flow volumes at the time of sampling were less than the design flood values forecast for mean annual flood events (A Preliminary Water Quality Investigation of the Blende Claims, June 1990. Table 3).

A third sample event under low flow conditions (April or May) is recommended.

Further water quality and water quantity data should be collected at the present sample stations and at any sites identified for milling, wastewater treatment and wasterock stockpiles.

A survey of benthic and fish populations should also be started. A meeting was held October 21,1990 with Al Von Finster, Technical Officer/Habitat for Fisheries and Oceans. Mr. Von Finster indicated that the Beaver River from the mouth upstream past the study area to Police Creek is a Chinook salmon spawning area. Fisheries and Oceans invites formal contact outlining the proposed development early in the new year. This would enable Fisheries and Oceans to review the submission and make any study recommendations in time for initiation in the 1991 field season.

A meeting was also held with Jack Nickel, Regional Manager of Lands, DINA. Mr. Nickel also recommended a preliminary proposal be sent to the Regional Environmental Review Committee (DINA) who can establish the requirements for the Environmental Assessment and Review Process. Enclosed are flow charts outlining the environmental assessment process for the Yukon Territory.

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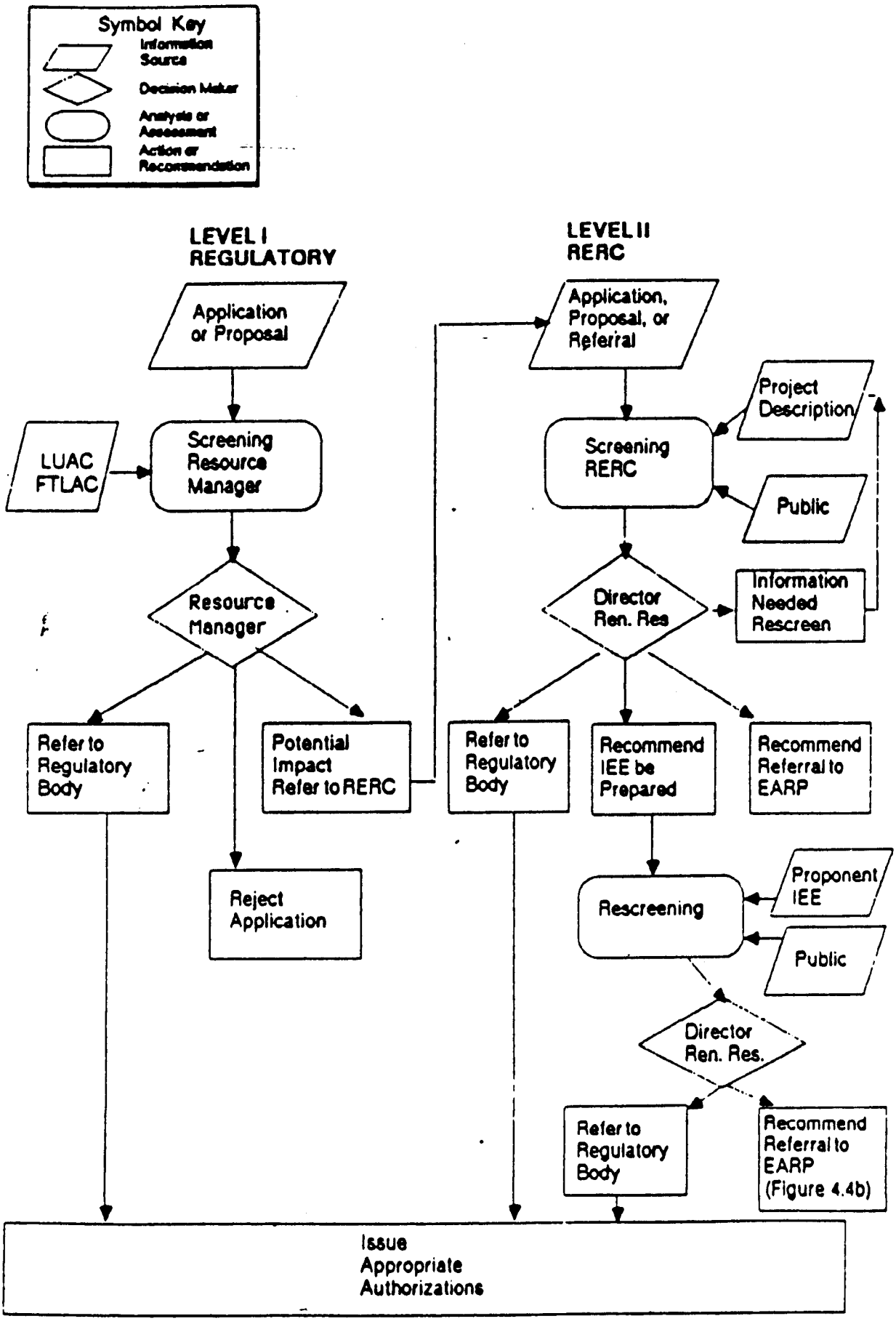
ABBREVIATIONS

CEPA	Canadian Environmental Protection Act
COGLA	Canada Oil and Gas Lands Administration
CTS	Community and Transportation Services
CWS	Canadian Wildlife Service (DOE)
CYI	Council for Yukon Indians
DFO	Department of Fisheries and Oceans
DIAND	Department of Indian Affairs and Northern Development
DOE	Department of the Environment
DPW	Public Works Canada
EARP	Environmental Assessment and Review Process
EDA	Economic Development Agreement
EIRB	Environmental Impact Review Board (Inuvialuit)
EIS	Environmental Impact Statement
EISC	Environmental Impact Screening Committee (Inuvialuit)
EMR	Department of Energy, Mines and Resources
EPS	Environmental Protection Service
FEARO	Federal Environmental Assessment and Review Office
FTLAC	Federal Territorial Lands Advisory Committee
IFA	Inuvialuit Final Agreement
ILA	Inuvialuit Lands Administration
ISR	Inuvialuit Settlement Region
LARC	Land Application Review Committee (YTG)
LUAC	Land Use Advisory Committee (DIAND)
MOT	Transport Canada
NAP	Northern Affairs Program
NEB	National Energy Board
RTAP	Regional Transportation Access Program
YFN	Yukon First Nations
YLCFA	Yukon Land Claim Framework Agreement
YPMA	Yukon Placer Mining Act
YTG	Yukon Territorial Government
YTWB	Yukon Territory Water Board

ENVIRONMENTAL ASSESSMENT AND REVIEW SCHEMATIC: INITIAL ASSESSMENT



ENVIRONMENTAL ASSESSMENT AND REVIEW SCHEMATIC: PANEL REVIEW