DRILLING REPORT

on the

1991 EXPLORATION OF THE LUSTDUST GROUP

OMINECA MINING DIVISION

BRITISH COLUMBIA

LATITUDE 55° 34' LONGITUDE 125° 25'

NTS 93N/11W

NUMBER OF CLAIMS	NUMBER OF UNITS
9	77

Owner and Operator: ALPHA GOLD CORP.
6018 Marguerite St.
Vancouver, B.C. V6M 3L1

Consultant: DOLMAGE CAMPBELL LTD.
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Vancouver, B.C. V6E 2E9

April 16, 1992
Vancouver, B.C.

TABLE OF CONTENTS

APPENDICES

TABLES

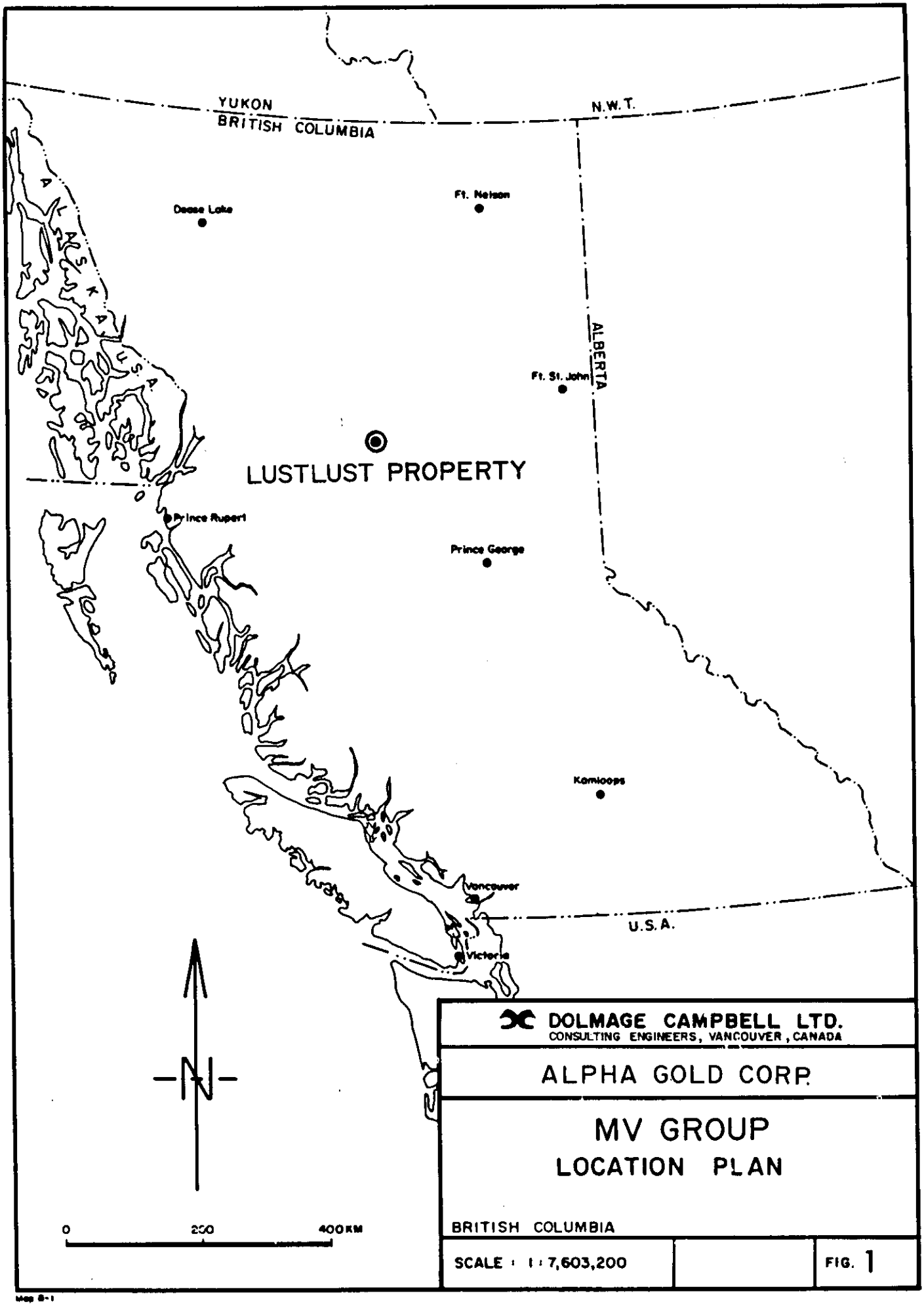
FIGURES

1. EXECUTIVE SUMMARY

Exploration on the Lustdust property of Alpha Gold Corporation in 1991 consisted of site preparation, road improvements, minor cleaning of old trenches, the completion of ten NQ diamond drill holes and partial completion of another hole totalling 906.6 m.

This work has confirmed the existence of an oxidized mineralized zone, Zone 3 on the MV1 claim which contains significant values in gold, silver and zinc. Evidence of this zone, which appears to be a replacement zone located in the hinge of an anticlinal fold, can be traced to the south for approximately 350 m and possibly to the north of the gulley fault in the vicinity of diamond drill hole LD 81-3. These surface traces indicate a possible resource in the order of one million tonnes of oxidized ore at a tenor of 3 to 5 grams per tonne gold equivalent.

It is recommended that the next stage of exploration consist of a structural geology mapping program, 400 metres of trenching and 3500 metres of diamond drilling combined with a surface survey program and an aerial photography survey program. This work, to be completed in two stages is estimated to cost $500,000.



DOLMAGE CAMPBELL LTD.
CONSULTING ENGINEERS, VANCOUVER, CANADA

ALPHA GOLD CORP.

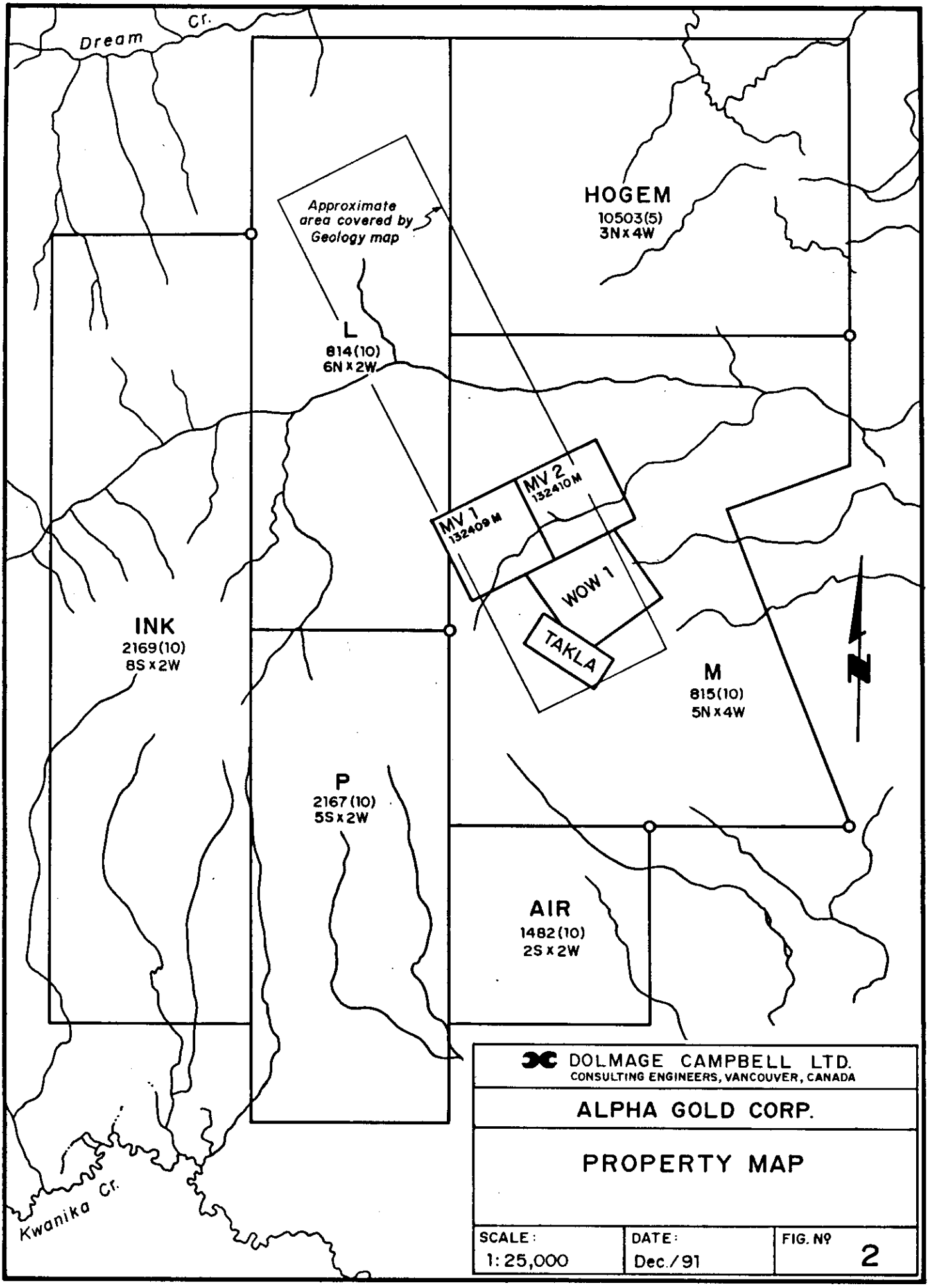
MV GROUP
LOCATION PLAN

BRITISH COLUMBIA

SCALE : 1 : 7,603,200

FIG. 1

Map 8-1


Dream Cr.
Approximate area covered by Geology map
HOGEM
10503(5)
3N x 4W
L
814(10)
6N x 2W
MV 2
132410M
MV 1
132409M
WOW 1
TAKLA
INK
2169(10)
8S x 2W
M
815(10)
5N x 4W
P
2167(10)
5S x 2W
AIR
1482(10)
2S x 2W
Kwanika Cr.
DOLMAGE CAMPBELL LTD.
CONSULTING ENGINEERS, VANCOUVER, CANADA
ALPHA GOLD CORP.
PROPERTY MAP
SCALE: 1:25,000
DATE: Dec./91
FIG. Nº 2

2. INTRODUCTION

During the months of August, September and October 1991 Alpha Gold Corp. completed a diamond drilling program which consisted of eleven drill holes totalling 906.6 metres of drilling on the Lustdust Group of Alpha Gold Corp. Dolmage Campbell Ltd. provided a geological engineer who supervised the diamond drilling and completed all related technical work at the site. This report presents the results of the program.

2.1 PROPERTY STATUS

The Lustdust property of Alpha Gold (Figure 2) consists of three two-post claims and six four post claims totalling 77 units:

Name	Record No.	Date of Record	Expiry Date	Type	Units
MV-1	132409	20/09/74	20/09/2001	2-Post	1
MV-2	132410	20/09/74	20/09/2001	2-Post	1
WOW # 1	1514	20/10/78	20/10/2001	2-Post	1
M	815	17/10/77	17/10/92	4-Post	20
Air	1482	11/10/78	11/10/92	4-Post	4
P	2167	25/10/77	25/10/92	4-Post	10
L	814	17/10/77	17/10/92	4-Post	12
Ink	2169	25/10/79	23/10/92	4-Post	16
Hogem	10503	21/05/89	21/05/89	4-Post	12
TOTAL UNITS					77

2.2 LOCATION AND ACCESS

The Lustdust property is located in the Omineca Mining Division of north-central British Columbia (Figure 1), NTS 93N/11, at Latitude 55° 34' North and Longitude 125° 25' West, approximately 210 km northwest of Prince George, B.C. and 36 km east northeast of Takla Landing, immediately west of the old Takla Mercury Mine.

Access to the property is gained by travelling approximately 25 kilometres of paved road from Fort St. James towards Tachie Lake and thence 88 kilometres along the Leo Creek, 56 kilometres along the Driftwood, approximately 20 km along Fall-Tsayta and 3 kilometres along the Silver Creek forest service roads for a total of 191 kms.

Alternative access can be gained by float plane or train to Takla landing and 49 kilometres along the Fall-Tsayta and Silver Creek roads or by float plane to Tsayta Lake and 30 kilometres along the Fall-Tsayta and Silver Creek roads.

2.2 TOPOGRAPHY PHYSIOGRAPHY AND CLIMATE

Slopes on the property are gentle to moderately steep ranging from an elevation of 1000 m to 1600 m with vegetation ranging from mature spruce through thick cedar brush to alpine vegetation.

The summers are normally hot and dry while the winters are long and cold. the property is normally snow free from mid-May to mid-October and the annual precipitation ranges from 500 mm to 1000 mm.

2.4 HISTORY

The Lustdust area was first staked in 1944 when the No. 1 Zone was discovered. Since that time numerous operators have investigated the property and immediately surrounding area at different times for different metals. As a result of these investigations four mineralized zones have been identified in the area. However, the bulk of the work has been completed on Zones 1 and 4b (see footnote) due to the depth of the oxidized zone of Zone 3 and the limited extent of Zone 2.

A list of the work performed by the various operators is given below.

Date	Operator	Current Claim Name	Zone	Work Performed
1944		WOW #1	Zone 1	No. 1 Zone discovered - staked.
1945	McKee Group, Leta Explorations Ltd.	WOW #1	Zone 1	Trenching - 350 ' drifting.
1952-1954	Bralorne Mines Ltd.	WOW #1, MV1, MV2, M	Zone 1 2, 3, 4b	17410 ' of trenching and 4688 ' drilling.
1960	Bralorne Mines Ltd. Noranda, Canex J.V.	"	Zone 1, 2, 3, 4b	7 rock cuts, 34 test pits, 4950 ' of cat trenching, 650 ' of hand trenching.
1963	Bralorne Mines Ltd.	WOW #1	Zone 1	Sampling.
1964	Takla Silver Mines Ltd.	"	Zone 1	750 ' drifting.
1966	Takla Silver Mines Ltd.	"	Zone 1	750 ' underground drilling.
		WOW #1, MV1, M	Zone 1, 3, 4b	2500 ' surface drilling
1968	Takla Silver Mines Ltd.	WOW #1	Zone 1	4387 ' surface drilling.
	Anchor Mines Ltd.	WOW #1	Zone 1	1881 ' underground drilling.
			Zone 1	300 lb bulk sample metallurgical testing.
1978	Granby Mining Corp.	MV1, MV2, K, L, M	Zone 3,	Line cutting, soil geochemical survey, geological mapping,geophysics (Shootback E.M., Magnetometer).
1979	Granby Mining Corp.	K, L, M	Zone 1, 2, 3, 4b	Geophysics (Pulse EM).
			Zone 4b	Diamond drilling (see footnote).

1980	Exploration L,M		Zone 1, 2, 3, 4b Zone 3 4b	Line cutting, airborne geophysics (magnetometer, VLF). Ground geophysics (VLF, magnetometer, CEM, VLEM). Soil geochemistry, geological survey, drilling (2 wildcat holes).
1981	Noranda Exploration Company, Limited	L,M	Zone 4b	One diamond drill hole, 7 wildcat diamond drill holes drilled elsewhere on the property.
1986	Welcome North Mines Ltd.	WOW #1, MV1, M	Zone 1, 3, 4b	Sampling.
1986	Pioneer Metals	"	Zone 1, 2, 3, 4b	Geological survey.

In 1991 Alpha Gold Corp. purchased the MV1, MV2 and WOW #1 claims. Subsequent to the completion of the 1991 field program Alpha Gold Corp. also purchased the M, L, P, Ink and Air claims from Pioneer Metals.

3. GEOLOGY

3.1 REGIONAL GEOLOGY

The Lustdust property is situated in the Omineca Tectonic Belt of the Canadian Cordillera. The northern portion of the property straddles the Pinchi Fault, a major regional structure that trends northwesterly through the Omineca District. To the east of the Pinchi Fault bedrock consists primarily of intrusive granitic rocks of the Hogem Batholith of Jurassic age.

On the west side of the fault is a fault block of Permian rocks of the Cache Creek group consisting of chert, phyllite, argillite, greywacke, carbonate rocks and metavolcanics (chloritic schist). Structurally, this group has undergone two periods of penetrative deformation followed by kinking and faulting adjacent to the Pinchi Fault. As such these formations are tightly drag folded, sheared and cross-faulted, strike to the north-northwest, subparallel to the Pinchi Fault, and dip steeply to the west.

3.2 SITE GEOLOGY

On the Lustdust property outcrop is sparse. Bedrock is covered by glacial outwash and oxidized soil and rock detritus up to 5 metres in depth. The presence of considerable depths (up to 50 metres) of gossan on the surface of the ore zones indicates that denudation by glaciation has not been severe.

The bedrock geology consists primarily of a conformable sequence of interbedded limestone, chloritic schist and phyllite, chert and argillite and volcanic tuff. These units are tightly folded and intraformationally sheared, dipping steeply to the west and overturned to the east.

No major intrusive bodies crop out on the property; however dikes and irregular plugs consisting of aphanitic quartz feldspar porphyry and medium crystalline granitic intrusives of monzonitic to dioritic composition are common. The porphyry dikes occur in irregular branching swarms commonly occupying north-northwest trending faults and shear zones. In such cases the dikes are extensively and intensively sheared, fractured, hydrothermally altered and locally mineralized.

3.3 LITHOLOGY

Of the three most common lithologies at the site, limestone, chert-argillite and chloritic schist, the limestone and chert-argillite predominate.

The limestone is typical of the Cache Creek Group. It is mottled dark grey to black, soft, fine grained to coarsely crystalline marble that is generally massive within beds ranging from 25 metres to hundreds of metres thick. The chert is hard; grey, ribbon banded and intercalated with more massive, locally fissile to schistose quartzite and black argillite. The schistose zones are finely foliated, soft, dark green and locally pyritic to phyllitic.

The chlorite schist occurs in discontinuous belts and locally disconformable lenses, suggesting that it consists of metamorphosed lensey volcanic tuffs and/or flows.

An abbreviated stratigraphic column is given in Table 1.

Table I Abbreviated Stratigraphy

	Period or Epoch	Group	Lithology
Cenozoic	Tertiary (Associated with Lustdust mineralization?)		Syenite, granite, biotite-hornblende feldspar porphyry, felsite.
	INTRUSIVE CONTACT		
	Upper Cretaceous	Sustut Group	Conglomerate, shale greywacke
	INTRUSIVE CONTACT		
Mesozoic	Lower Jurassic (Outcrops on Lustdust Property)	Hazelton Group	Tuff, volcanic breccia granodiorite (Hogem Batholith)
	INTRUSIVE CONTACT		
	Upper Triassic and Jurassic	Takla Group	Chert, pebble conglomerate greywacke, argillite
	Upper Triassic and Jurassic	Sitlika Assemblage	Tuff, volcanic breccia, rhyolite, feldspar, porphyry, siltstone, black phyllite
	Permo-Triassic		Serpentinite, harzburgite
	INTRUSIVE CONTACT		
Paleozoic	Upper Paleozoic (Host to Lustdust showings)	Cache Creek Group	Limestone, chert, phyllite, metavolcanic chlorite schist, greywacke, laminated siltstones.

3.4 MINERALIZATION

The known mineralization of interest at the Lustdust property appears to occur as replacement and fracture-filling in and along a series of steeply-dipping north-trending fracture zones which strike parallel, or at a very low angle, to the formational trends. However, the stratiform nature of the mineralization, particularly in Zones 3 and 4b may indicate a syngenetic origin of the mineralization associated with the chloritized volcanics. Within this environment there are two types of economically significant mineralization on the property; lead-zinc-antimony replacement veins with high values in silver, and iron-zinc massive elongate replacement bodies with low but consistent values in silver and significant values in gold. The high grade silver mineralization occurs in Zones 1 and 2 (Figure 3) and the replacement zinc-iron mineralization occurs in Zones 3 and 4b.

Of lesser interest is a skarn occurrence with low values in copper and molybdenum located just south of Canyon Creek.

In addition, mineralization, consisting almost entirely of bands and blebs of replacement arsenopyrite and graphite exists within argillaceous units and in the main economic zones.

It is therefore felt that at least two, if not three, events of mineralizations are represented at the site. These events likely followed the sequence given below:

1) Sedimentation of the Cache Creek rocks with possible syngenetic deposition of lead-zinc mineralization.

2) Preparatory fracturing and shearing of the Cache Creek Group rocks through tight, possibly anticlinal folding, especially in the hinge zones of the folds, associated with thrust movement along the Pinchi Fault and emplacement of the Upper Jurassic to Lower Cretaceous Omineca Intrusions including the development of minor skarn zones.

3) Injection of arsenopyrite-graphite rich fluids along associated intraformational breccias and shears which drastically reduced the permeability of intraformational shears but were inadequate to infill the brecciated limestones.

4) Injection and replacement of limestone and/or chlorite schist by silver-lead-zinc-antimony rich fluids along vein structures and gold-zinc-silver rich fluids in brecciated zones within the limestone, particularly along the "hinge" zones of folds.

5) Post-ore deposition faulting across the structures (Gulley Fault) resulted in the displacement of mineralized horizons and with subsequent erosion four main mineralized zones were exposed at surface.

6) Subsequent leaching by groundwater oxidized the upper portions of these zones to variable degree and depth.

From the existing drawings, it appears that Zone 1 mineralization crops out at surface almost entirely within the boundaries of the WOW #1 claim. This zone, investigated by surface trenching, an underground adit and surface and underground diamond drilling, is a lead-zinc-antimony replacement vein with high values in silver. The vein is irregular in width and grade containing pyrite,

sphalerite, galena, jamesonite, stibnite, arsenopyrite and freibergite. Previous surface sampling of this zone revealed a wide range of values across the zone, from 341 gm Ag/tonne to 4430 gm Ag/tonne with a general average of about 102 gm Ag/tonne. However this material is locally severely leached and oxidized. The only sample available from the underground workings contained 1450 gm Ag/tonne across a width of two feet. In addition to the high silver values the mineralized zone also contains up to 13.64 gm Au/tonne as well as 1% to 7% Zn, 1% to 5% Pb and 2% to 10% Sb.

Zone 2 mineralization also crops out in the WOW #1 claim westerly from Zone 1. Exposures of this zone in three bulldozer trenches spaced over 60 metres returned assays of 102.3 to 682 gm Ag per tonne, 3 to 12% Pb and 1 to 3% Zn across widths from 2 to 6 feet.

The main showing on Zone 3 is a lense-shaped area of gossan approximately 100 m in length and up to 20 m in width which has been explored by extensive trenching and limited diamond drilling. Mineralization in this zone consists primarily of arsenopyrite with some pyrite and minor sphalerite and galena in the massive sulphides and limonite and hemimorphite in the oxides which carry up to 22 gm of gold per tonne, about 110 gm of silver per tonne and up to 24.4% zinc.

Multi-element analyses indicate high values in arsenic, lead, and zinc with elevated values in copper, cadmium, iron antimony and barium. Exposures of gossanous material to the south and north of Zone 3 indicate that this zone of mineralization could have a strike length in the order of 500 to 750 m.

Zone 4b, located northwest of Zone 3, consists, on surface, of a wide zone of branching lenses of heavily oxidized sulphides. Early sampling of trenches over a strike length of approximately 230 metres returned an approximate average assay of 3 gm gold per tonne, 29 gm silver per tonne and 6.55% zinc. In this zone the major primary sulphide is pyrrhotite with subsidiary pyrite and arsenopyrite.

Diamond drilling completed on this zone indicates that the zone lenses out with depth and carries only spotty values in zinc with low values in gold, up to 0.9 gm per tonne, and silver, 14 gm per tonne; however, only one recent hole (LD 81-4) was drilled directly under the zone while two other holes were drilled under the extension of the zone to the north. Data from drill holes completed in 1965 and 1966 suggest widths varying from 1.6 metres to 6.0 metres with assays in the range of 0.3 to 5 gm gold per tonne, 19 to 24 gm of silver per tonne and 3.22% to 12.25% zinc. Although no indications of Zone 4 were found in the trenches to the north of this showing, previous workers have identified similar mineralization in outcrop at Canyon Creek, some 1500 m to the northwest.

4. GEOCHEMISTRY

In 1978 the Granby Mining Co. Ltd. completed a geochemical survey over the K, L and M mineral claims, collecting samples at 50 metre intervals on east-west grid lines spaced as approx. 200 metre intervals. In total 910 soil samples were collected and analyzed for silver ,lead, zinc and copper.

Although no samples were obtained from the MV1 and MV2 claims, the trends of the anomalous zones project through these claims. These same trends indicate:

1) Very spotty results in copper values in the area surveyed except in the southwest corner of the grid.
2) Zinc values correspond very well with the known area of mineralization and tend to indicate continuation of Zone 3 and possibly Zone 4b to the north-northwest up to Canyon Creek.
3) Anomalous silver values generally correspond with the zinc anomalies except they are more widespread, are not as strong in the area of Zone 4b and indicate the continuation of Zone 4 to the north of Canyon Creek.
4) Although the anomalous lead values exist in more restricted areas they generally conform to both the zinc and silver anomalies.

In 1981 Noranda extended the geochemical sampling coverage to the south end of the claim and to the west of the northern half of the property; collecting a total of 722 samples which were analyzed for copper, molybdenum, zinc, lead, silver, manganese and iron. This survey yielded only localized anomalous values.

5. GEOPHYSICS

Ground electromagnetic surveys were completed in 1978 and 1979 by the Granby Mining Co. Ltd. and in 1981 by Noranda over the same grid as the geochemistry survey.

Results from the electromagnetic survey delineate Zones 3 and 4b and the Pinchi Fault. Additional conductors have been identified that correspond to graphitic zones and/or areas with anomalous zinc and copper soil sample results. As such this geophysical tool has been useful to aid in locating drill sites, but must be assessed cautiously to avoid the drilling of graphite conductors.

6. 1991 EXPLORATION PROGRAM

The exploration work completed in 1991 was focused on the oxidized zone of mineralization known as Zone 3. The work consisted of diamond drilling and related activities such as access road improvements, site preparation and the cleaning out of the main trench of Zone 3. This report presents the data obtained from the completed drill holes.

6.1 DIAMOND DRILLING

Between August 23 1991 and September 18 1991 five diamond drill holes were completed in and around Zone 3 in the MV1 claim. Of the five holes completed four were drilled across the structure, at -45° to -65° to the east-northeast and one was drilled downdip along the footwall of the mineralized zone. From September 19, 1991 to October 10, 1991 five additional holes were completed and one hole to be completed in 1992 was drilled to a depth of 83.8 m for a total of 577.9 m. The location, orientation and depths of each of these holes is given in Table 2 and the holes are plotted in plan on Figure 3 and on sections in Figures 4, 5 and 6. The locations of the drill holes relative to the trenches and property boundaries were determined by topofil and compass surveys.

6.2 CORE LOGGING AND SAMPLING

All of the core obtained from the diamond drilling program was logged and sampled by the writer at the site. All core with the exception of Holes 91-9 and 11 is stored in a log cabin at the intersection of the property access road and the Silver Creek forest service road. The remainder of the core is stored in Vancouver.

The samples were shipped by truck to the North Vancouver laboratory of Bondar Clegg and Company Ltd.

6.3 ANALYTICAL PROCEDURES

All of the core samples were prepared for analysis by crushing, grinding and drying, when necessary, using standard laboratory techniques. The rejects and pulps from the splits are stored at the laboratory.

Analytical procedures used by Bondar Clegg are given in Appendix I.

TABLE 2

LUSTDUST PROPERTY
RECORD OF COMPLETED DRILL HOLES

	Data at Hole Collar				Dates		Drilling Lengths					Remarks
Hole No.	Coord	Dip (deg.)	Az (deg.)	Elev. Refer.	Start	End	Type	From (m)	To (m)	O.B. (m)	B.R. (m)	
DDH 91-1	10,000N 10,000E	-45°	064°	1474	30/08/91	03/09/91	OB BR	0.9 7.6	7.6 65.5	6.7	 57.9	Ream casing to to 65.5 m
DDH 91-2	10,000N 10,000E	-65°	064°	1474	03/09/91	08/09/91	OB BR	0.7 6.1	6.1 83.2	5.4	 77.1	Ream casing to 79.2 m
DDH 91-3	9,970N 9,996N	-45°	060°	1480	08/09/91	10/09/91	OB BR	- 0.9	- 61.0	- -	- 59.9	Ream casing to 33.5 m
DDH 91-4	9,970N 9,996E	-65°	060°	1480	11/09/91	14/09/91	OB BR	- 0.7	- 63.1	- -	- 62.4	Ream casing to 34.4 m
DDH 91-5	9,970N 9,995E	-90°	-	1480	14/09/91	18/09/91	OB BR	- 0.6	- 185.9	- -	- 185.3	Ream casing to 71.6 m
DDH 91-6	10,008N 10,044E	-75°	244°	1460	18/09/91	24/09/91	OB BR	1.5 3.0	3.0 57.2	3.0	- 54.2	Ream casing to 45.7 m
DDH 91-7	10,032N 10,017E	-45°	068°	1463	25/09/91	28/09/91	OB BR	- 0.9	- 76.5	- -	- 75.6	Ream casing to 68.6 m
DDH 91-8	10,032N 10,017E	-85°	068°	1463	29/09/91	01/10/91	OB BR	- 0.6	- 85.3	- 	- 84.7	Casing to 1.5 m

DDH 91-9	10,034E 10,025E	-45°	030°	1462	01/10/91	03/10/91	OB BR	0.8 2.6	2.6 96.9	1.8 -	- 94.3	Ream casing to 15.2 m
DDH 91-10	9,998N 10,055E	-70°	244°	1463	04/10/91	07/10/91	OB BR	- 0.6	- 55.9	- 	- 55.3	Ream casing to 33.5 m
DDH 91-11	10,036N 10,017E	-45°	336°	1463	07/10/91	09/10/91	OB BR	- 0.8	- 83.8	- -	- 83.0	Casing to 1.5 m

7. RESULTS

The results of the diamond drilling are presented in the form of diamond drill logs in Appendix II. Pertinent analytical results are summarized in Appendix III and the laboratory assay sheets are presented in Appendix IV.

Significant samples are recorded in Figures 4, 5 and 6. A brief summary of each hole is given below.

Diamond drill hole 91-1 was drilled from approximately 24 metres from the main trench exposure of the gossan in Zone 3 at an azimuth of 064° and a dip of -45°. The hole, drilled to test the downdip continuity of the oxidized zone, intersected approximately 20 m of limestone, a 1.5 m shear zone and 15 m of interlayered chlorite schist and limestone before encountering the oxide zone. The oxide zone, which extended from 36.4 m to 61.6 m, averaged <0.07 gm of gold per tonne, 7.3 gm of silver per tonne and 9.86% zinc over 25.2 m. The hole was continued only to 65.5 m in limestone before severe rod vibration forced the stoppage of drilling. Poor core recovery in the sandy oxides likely resulted in loss of gold values.

Diamond drill hole 91-2, drilled from the same location as DDH 91-1 was drilled at an azimuth of 064° and a dip of -65° to further test the downdip continuity of the oxidized mineralized zone and to test the geometry of the zone.

This hole intersected a sequence of limestone, shear zone and chlorite schist similar to DDH 91-1 before intersecting the oxide zone at 51.7 m. In this hole the oxide zone, which contained small intervals of massive sulphides, extended to 79.6 m for a total length of 27.9 m which averaged < 0.07 gm of gold per tonne, 5.6 gm of silver per tonne and 3.15% zinc over the first 9.9 m and 5.95 gm of gold per tonne, 31.8 gm of silver per tonne and 2.06% zinc over the last 18.0 metres. This hole was also stopped at 83.2 m because of severe rod vibration. Poor core recovery in the sandy oxides likely resulted in loss of gold values.

Diamond drill hole 91-3, approximately 30 metres (100 feet) along strike to the south, was drilled at an azimuth of 060° and a dip of -45° to test the extension of the oxide zone along strike. At this location the surface exposure of the oxide zone is only 5 metres wide and records of previous drilling and trenching were not available.

Hole 91-3 intersected a sequence of interlayered limestone and chlorite schist with a small interval of clayey oxides from 26.5 m to 27.0 m before intersecting the oxide zone at 39.9 m. The hole then intersected 8.9 metres of oxidized material, to 48.8 m, of which 8.0 metres averaged <0.07 gms gold per tonne, 11.7 gm silver per tonne and 3.34% zinc. The hole continued to 61.0 m in limestone prior to being stopped due to severe rod vibration. Again, poor core recovery in the sandy oxides likely resulted in the loss of gold values.

DDH 91-4 was drilled from the same site and in the same direction as DDH 91-3 at a dip of -65°. This hole continued 37.2 metres, predominantly through limestone before intersecting the oxide zone. In this hole the zone extended 21.5 m and averaged 3.25 gm of gold per tonne, 23.5 gm of silver per tonne and 2.26% zinc. The hole continued only another 4.4 metres to a depth of 63.1 m.

DDH 91-5 was drilled vertically from the same site as DDH 91-3 and DDH 91-4 to test the

downdip extension of the oxide zone at depth. It continued to a depth of 86.0 m through limestone and chlorite schist, with oxidized material from 67.5 m to 69.0 m grading 0.24 gm gold per tonne, 33.3 gm silver per tonne and 3.73% zinc prior to encountering any significant oxides. An oxidized zone was encountered from 86.0 m to 89.8 m and grading 0.45 gm of gold per tonne, 19.2 gm of silver per tonne and 9.01% zinc and the hole continued to 104.1 m in limestone before intersecting another oxide zone from 104.1 m to 109.1 m which averages <0.007 gm of gold per tonne, 5.14 gm of silver per tonne and 3.56 % zinc. From 109.0 m to 135.1 m the hole encountered cherty limestone and limey argillite with zones of up to 20% arsenopyrite. The hole then continued to a final depth of 185.9 m in limestone with a feldspar porphyry dyke from 155.0 m to 164.3 m.

DDH 91-6 was drilled down-dip in the oxide zone in approximately the middle of the main trench, along the dip direction to further test the down-dip continuity of the zone. This hole was collared in and continued to 57.2 m in oxides followed by massive sulphides from 57.2 m to 61.3 m and an additional 4.1 metres of oxides. From 65.4 m the hole continued through limestone to a final depth of 131.1 m with a feldspar porphyry dike from 97.4 m to 112.3 m. Assay results for this hole are given below:

		GRADES		
INTERVAL	TYPE	GOLD g/t	SILVER g/t	ZINC %
4.9 - 18.4	Oxides	4.11	37.0	1.30
18.4 - 52.4	Oxides	0.48	8.9	4.64
52.4 - 57.2	Oxides	1.78	19.2	1.76
57.2 - 61.3	Sulphides	4.52	9.6	0.26
61.3 - 65.4	Oxides	1.20	14.7	8.99

DDH 91-7 was drilled from a site approximately 32 m north, along strike of DDH 91-1 and 17 m east on Section 10,030 mN at a dip of -45° on an azimuth of 068° to test the continuity of the zone on strike to the north. The hole intersected 22.7 m of limestone before encountering the oxide zone which extended to 59.4 m with a zone of oxidized chlorite schist from 48.8 m to 54.6 m. The average grade of this zone is 1.74 gm of gold per tonne, 2.13 gm of silver per tonne and 2.12% zinc with a 15.4 m interval grading 3.25 gm gold per tonne, 35.3 gm silver per tonne, and 1.91% zinc.

Immediately below the oxide zone a feldspar porphyry dike was encountered from 59.4 m to 64.0 m. From 64.0 m to the bottom of the hole at 76.5 m the hole encountered limestone with a 1.2 m interval of oxides from 64.8 m to 66.0 m grading <0.007 gm gold per tonne, 8.9 gm silver per tonne and 5.16% zinc.

DDH 91-8 was drilled from the same location and in the same direction as DDH 91-7 at a dip of -85°. This hole encountered a thick sequence of limestone with oxides from 38.4 m to 45.6 m grading 0.05 gm gold per tonne, 19.65 gm silver per tonne and 5.93 % zinc and from 55.0 m to 64.6 m grading 0.03 gm gold per tonne, 6.97 gm silver per tonne and 1.69% zinc. Other short intervals of oxides encountered in this hole of 0.3 m at 46.9 m depth grading 4.1 gm silver per tonne and 7.77% zinc and of 0.6 m at 48.8 depth grading 5.5 gm silver per tonne and 21.22% zinc.

DDH 91-9 was drilled from a site approximately 10 metres east of DDH 91-7 and 9 at an

azimuth of 030° and a dip of -45° to test the intersection of the ore zone and the gulley fault to the north. It was drilled through 37.5 metres of limestone where it encountered a sequence of interlayered chlorite schist and limey argillite which continued to 48.9 metres. From 48.9 metres to 55.8 metres the hole intersected limey argillite. Throughout the sequence from 37.5 metres to 55.8 metres bands and blebs of sulphides, predominantly arsenopyrite, with sulphide content as high as 30% to 40%, were intersected. From 55.8 metres to 60.0 metres a unit of black, very fine grained massive sulphides that consisted primarily of arsenopyrite was encountered. The hole then continued through a mixed sequence of chlorite schist and limey argillite with small dykes of feldspar porphyry before intersecting a fault from 71.0 metres to 72.2 metres containing a feldspar porphyry breccia with zones of kaolinite. From 72.2 metres to 77.1 metres the hole continued through a mixed unit of argillaceous limestone and quartz feldspar porphyry dykes. The hole then intersected a unit of limestone which extended to the end of the hole at 96.9 metres. Although sulphides ranged from 3% to 5% to a high of 40%, with one zone of massive sulphides from 55.8 metres to 60.0 metres, no significant assay values were obtained from any of the core samples in this hole.

DDH 91-10 was drilled just south of the main trench to test the location and orientation of the footwall and the downdip continuity of grade. An unexpected pinch in the oxide zone resulted in the upper portion of the hole being drilled in limestone. However from 22.2 metres to 55.9 metres this hole was drilled virtually along the footwall of the ore zone, intersecting oxides in the intervals listed below:

Interval		Grade		
From (m)	To (m)	Gold (g/t)	Silver (g/t)	Zinc (%)
22.2	26.1	<0.07	5.5	10.58
34.4	35.1	Not assayed. High core loss		
35.1	39.5	<0.07	11.3	17.28
43.7	45.1	<0.07	11.0	7.45
45.1	47.2	Not assayed. High core loss		

From 47.2 m to the end of the hole at 55.9 m, very low core recovery was obtained and drilling conditions were extremely difficult in highly broken limestone.

DDH 91-11 was drilled from the same site as holes DDH 91-7 and 8 at an azimuth of 336° and a dip of -45° to further test the gulley fault for mineralization and to test for the continuation of the ore zone to the north of the gulley fault. Due to equipment problems and bad weather conditions the hole was not completed to its planned depth and will be continued in the 1992 field season. In the portion of hole completed in October, 1991, the hole intersected 41.1 metres of limestone before encountering a bed of chlorite schist from 41.1 to 45.7 m. A zone of oxides was then intersected from 45.7 m to 48.3 m which graded <0.07 gm of gold per tonne, 3.4 gm of silver per tonne and 1.17% zinc. The hole then continued in limestone from 48.3 m to 83.8 m, its present depth.

It should be noted that core loss was very high in all holes, especially in dark brown sandy oxides, which may have resulted in the loss of gold values. Zones in which the entire core was lost have been assigned grades equivalent to the average grade of the immediately adjacent samples.

8. DISCUSSION

Based upon the results of the 1991 drilling and sampling program and the results of previous workers it is apparent that significant gold, silver and zinc mineralization exists on the Lustdust property. Of the four main zones of mineralization identified by previous workers Zones 3 and 4B appear to have the largest probability of containing economic ore reserves.

8.1 ZONE 3

The results of the 1991 drilling program indicate that the gold-silver mineralization identified in Zone 3 likely formed by replacement along fractured horizons in the limestone which appear to be more extensive in width in the hinge area or "nose" of a tight anticlinal fold. The gold-silver mineralizing fluids may have followed along a previously syngenetically deposited horizon of pyrite, pyrrhotite and sphalerite which remobilized during folding and possibly later during emplacement of the gold-silver values.

Drilling on section 9+970mN, 10+000mN and 10+030mN indicates that the hinge area of the anticline may be plunging slightly to the southeast with near vertical mineralized shoots or veins extending to surface (Figure 3). Thin oxidized zones, similar to the surface exposure on Section 9+970mn, with up to 2 gm of gold per tonne, can be traced from Zone 3 for approximately 350 metres to the southeast.

Geochemical and geological data indicate that the Zone 3 mineralization may extend to the northwest of the main gossanous showing, across the gulley fault. To date only one drill hole, LD 81-3, and five scattered trenches have tested this area. Again the surface exposures of oxides may indicate significant replacement of limestone at depth.

8.6 ZONE 4B

No new work was completed on Zone 4b in 1991. Work by previous operators indicates that this zone consists primarily of pyrrhotite mineralization with pyrite, sphalerite and values in gold and silver in a number of thin bands spanning a width of approximately 30 metres. If this mineralization is similar in style and geometry to Zone 3, it is likely that the surface exposures represent the hinge area of another fold. Although no exposures have been located in the trenches to the north of DDH 79-3, it is possible that the mineralized zone extends northwesterly, at a greater depth due to offset along crossfaults, to the surface exposures of mineralization at Canyon Creek. Insufficient drilling has been completed in and around Zone 4b to indicate the lateral extent of mineralization or the grades that may exist in this area.

8.3 ZONE 1

Zone 1 has been intensively explored with trenches, diamond drilling and underground exploration. It is felt that this vein material may represent a feeder structure through which the mineralizing fluids moved into the limestone. As such the silver:gold ratio is significantly higher and the zinc content is low. Although this zone has limited potential for the development of economic ore reserves by itself, it could provide additional high grade silver ore for mill feed.

8.4 ZONE 2

Other than surface trenching Zone 2 has received very little attention due to its limited strike length.

8.5 OTHER AREAS OF INTEREST

On strike with Zone 4b to the southeast at the southwesterly boundary of the MV1 claim is a topographic low, identified from aerial photographs, which corresponds favourably with high results from silver and zinc geochemistry and with a strong electromagnetic conductor. This area may represent a soft oxide or sulphide zone in the hinge area of a synclinal fold associated with the anticlinal hinge postulated for Zone 3.

Little work has been completed to the north of Canyon Creek on the Hogem Claim due largely to extensive areas of deeper overburden cover. Geological mapping completed by Noranda in 1980 indicates that the L mineral claim is largely underlain by granodioritic to monzonitic intrusives.

9. CONCLUSIONS AND RECOMMENDATIONS

It is therefore concluded that Zone 3 and its extension to the north and south could contain an economic open-pittable oxide mineral resource in the order of one million tonnes at a tenor of 3 to 5 grams per tonne gold equivalent. In addition, economic sulphide deposits amenable to large scale underground mining may exist at depth.

Given the present database it is recommended that the next exploration program be focused primarily on the development of the hypothesized oxide resource. A structural mapping program should be completed to identify additional structures which may contain oxide and/or sulphide mineralization near surface and at depth. Combined with 400 m of surface trenching and 3500 m of diamond drilling on Zone 3 and its extensions to the north and south the mapping program will provide valuable data to indicate the presence of deeper economic sulphide mineralization.

In addition, a surface surveying and aerial topographic mapping program should be completed to provide tighter control on drill hole and trench locations.

This work should be split into a two stage programme as detailed in the next section of this report.

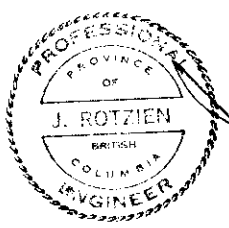
10. COSTS

STAGE I

PROJECT PLANNING AND ORGANIZATION AND COORDINATION		
J. Rotzien 10 days @ $400 =		$4,000.
GEOLOGICAL MAPPING AND SAMPLING		
1 Field Geologist @ $300/day x 16 days =	$4,800	
1 Assistant @ $150/day x 20 days =	$3,000	
Project Manager @ $300/day x 4 days =	$1,200	$9,000.
TRENCHING		
1) South Extension of Zone 3		
10 trenches of 15 m each @ 30 m intervals = 150 m		
2) North Extension of Zone 3		
a) Gulley 100 m = 100 m		
b) North of gulley 10 trenches of 15 m each = 150 m = 400 m		
TD 125 E		
$105/hr for 10 hr days at 50 m per day = 7 x 10 x $105		
+ Mob. and Demob. at $1,050 =		$8,400.
TRENCH MAPPING AND SAMPLING		
1 Field Geologist 4 days @ $300	$1,200	
1 Assistant 4 days @ $150	$ 600	$1,800.
DIAMOND DRILLING Holes A, B, C, E, G		
5 holes totalling 1000 m @ $60/m		$60,000.
@ 25 m / shift x 2 = 29 days		
DRILL SITES & ACCESS ROADS		
TD 125E 5 days @ 10 hrs/day x $145/hr		$7,250.
ANALYSES		
Allow for 300 samples @ $20.50	$6,150	
and 30 samples @ $13	$ 390	$6,540.
SITE SUPERVISION, LOGGING AND SURVEYING		
Field Geologist 13 days @ $300	$3,900	
1 Assistant 13 days @ $150	$1,950	$5,850.
TOPOGRAPHIC CONTROL		
a) 1:5000 scale topographic maps with		
contour intervals @ 5 m over area		
5 km x 5 km, fly and contour	$8,000	
b) Survey Control by triangulation & ground control		
2 man survey crew and helicopter		

camp costs etc. allow for 3 km ground surveying, flagging of drill holes adits etc.	$7,000	$15,000.
RENTAL 4 x 4		
1 ½ month at $1,200/mo =	$1,800	
Gas for rental	$ 600	$2,400.
TRAVEL		
Geologist, helper, Project Engineer 2 round trip each @ $700		$4,200.
RADIO TELEPHONE		
$200/mo x 1½ mos		$600.
ROOM AND BOARD		
Geologist + helper for 36 days + Project Engineer = 76 man-days @ $75		$5,700.
COMMUNICATION, FREIGHT, ETC.		$1,000.
REPORT PREPARATION		
Geologist 10 days @ $300	$3,000	
Project Manager 5 days @ $400	$2,000	
Draughting, say	$2,000	$7,000.
CONTINGENCY 8%		$11,260.
TOTAL STAGE I COSTS		$150,000.
STAGE II		
PROJECT PLANNING & COORDINATION		
J. Rotzien 3 days @ $400 =		$1,200.
Site Supervision		
Field Geologist 44 days @ $300 =	$13,200	
Assistant 44 days @ $150 =	$ 6,600	
Project Manager 6 days @ $300 =	$ 1,800	$21,600.
DIAMOND DRILLING		
3000 m (Holes D, F and H to R) @ $60/m		$180,000.
ACCESS ROAD IMPROVEMENTS		
TD 125 E 5 days A 10/hr/day x $145	$7,250	
Gravel Truck 2 x 2.5 days @ 10/hr/day x $90	$4,500	

Loader 2.5 days @ 10/hr/day x $120	$3,000	$17,750.
Mobilize and demobilize Equipment	$3,000	
DRILL SITES AND ACCESS ROADS		
TD 125 E 3 days @ 10hr/day x $145		$4,350.
ANALYTICAL COSTS		
100 samples for Au, Ag, Zn @ $20.50	$2,050	
10 samples for ICP	$ 130	$2,180.
ROOM AND BOARD		
Field Personnel 94 days @ $75/day		$7,050.
4 x 4 RENTAL		
1½ months @ $1,300/mo	$1,800	
Gas for rental	$ 600	$2,400.
TRAVEL		
2 round trips for geologist and helper		
1 round trip for project manager =		
5 round trips @ $700		$3,500.
COMMUNICATION, FREIGHT ETC.		$500.
RADIO TELEPHONE 1½ months x $200		$300.
REPORT PREPARATION		
Field Geologist 5 days @ $300	$1,500	
Project Manager 3 days @ $400	$1,200	
Draughting say	$1,500	$4,200.
Contingency (10%)		$24,970.
TOTAL STAGE II COSTS		$270,000.
TOTAL PROPOSED COSTS		$420,000.



Respectfully submitted,
Dolmage Campbell Ltd.

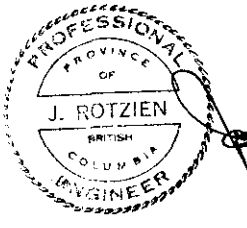
J. Rotzien, P.Eng.

11. STATEMENT OF COSTS - 1991 DRILLING

The costs associated with the diamond drilling reported herein are detailed in Appendix V and summarized below:

Diamond drilling and casing	$ 50,532.67
Road improvements	4,766.85
Analytical costs	4,077.13
Site supervision	9,416.00
Staff quarters	2,105.80
Board	900.00
Truck rental	1,198.49
Travel	1,540.00
Report Preparation	4,750.00
Total	$79,287.74

Respectfully submitted,
Dolmage Campbell Ltd.



J. Rotzien, P.Eng.

12. REFERENCES

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13. STATEMENT OF QUALIFICATIONS

I, J.L. Rotzien do hereby certify that:

1. I reside at 634 Berry St., Coquitlam, British Columbia.

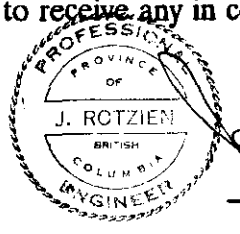
2. I am a registered Professional Engineer with the Association of Professional Engineers of British Columbia.

3. I obtained a B.A. Sc. in Geological Engineering in 1972 and a M.A. Sc. in Mining Engineering in 1989 from the University of British Columbia.

4. I have been practising my profession on a full time basis as a geological engineer since 1972, except from 1983 to 1986 when I was enroled in the M.A.Sc. program at the University of B.C.

5. I supervised the diamond drilling reported herein and completed all logging and sampling of the core.

6. I have no direct or indirect interest in the property discussed in this report or in Alpha Gold Corp. nor do I expect to receive any in consideration of this report.



J.L. Rotzien, P.Eng.

10,000 E

Elevation

– 1480 m

– 1450 m

– 1400 m

– 1350 m

– 1300 m

Ox

DDH 91-3

DDH 91-4

DDH 91-5

<0.07 7.3 2.65/3.0
<0.07 12.7 3.58/1.4
<0.07 14.1 4.16/1.5
<0.07 22.3 5.00/1.5
<0.07 25.7 3.21/1.8
0.17 12.0 13.31/1.5
2.50 26.7 3.24/2.4
2.16 17.8 1.99/1.5
8.91 25.7 1.01/2.4
6.03 16.5 0.24/0.9
4.87 43.8 0.4/2.1
7.89 43.9 0.37/1.8
3.12 25.0 1.02/2.4
0.69 18.2 2.41/2.3
0.24 33.3 3.73/1.5
0.45 19.2 7.01/3.7
<0.07 4.8 3.88/2.4
<0.07 5.5 3.45/2.3

Aspy

4 *Felsic dykes, quartz feldspar porphyry*

3 *Chlorite schist*

2 *Limestone*

1 *a) Argillite b) Phyllite c) Chert*

Ox *Oxides*

MS *Massive sulphides*

Aspy ..... Arsenopyrite

3.12 25.0 1.02/2.4 ..... g/t Au, g/t Ag, % Zn/metres

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J. ROTZIEN

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GEOLOGICAL SECTION 9970 N

SECTION LOOKS NORTH

SCALE	DATE	NTS Nº	FIG. Nº
1:500	Dec 13/91	93N/11W	4

10,000 E

Elevation

– 1480 m

DDH 91-1

– 1450 m

<0.07	4.5	4.21 /2.6
<0.07	4.5	3.16 /1.4
<0.07	7.2	3.66 /1.8
<0.07	6.2	3.40 /1.7
0.14	9.9	2.33 /1.2
<0.07	2.1	0.55 /1.2
1.30	11.7	1.80 /1.4
5.59	15.1	0.47 /1.9
6.14	27.4	0.35 /1.6
2.33	12.7	2.35 /1.8
0.82	10.3	3.88 /3.4
3.33	110.7	1.83 /1.8
22.18	57.9	1.45 /3.0
1.78	17.5	2.69 /3.0

DDH 91-10

<0.07	5.14	N/A /1.8
<0.07	4.5	2.55 /3.7
<0.07	4.8	15.31 /2.3
<0.07	3.4	8.01 /1.5
<0.07	5.8	14.40 /1.5
<0.07	4.5	11.54 /1.5
<0.07	8.2	21.17 /1.6
<0.07	5.5	10.08 /1.4
<0.07	19.5	6.14 /1.5
<0.07	11.3	10.76 /1.2
<0.07	8.6	18.92 /1.7
<0.07	6.2	9.46 /1.7
<0.07	5.5	8.26 /1.5
0.17	16.1	6.38 /1.7
<0.07	6.2	22.76 /0.5

– 1400 m

DDH 91-2

<0.07	5.5	10.58 /3.8
0.10	23.5	24.4 /1.2
<0.07	6.9	14.62 /3.2
0.17	11.0	7.45 /1.4

7.31	61.7	0.78 /3.2
4.94	42.9	1.18 /3.2
No recovery		/3.0
1.65	17.8	1.71 /4.1
0.69	14.1	2.53 /8.1
No recovery		/4.0
1.51	6.9	2.53 /3.0
0.24	10.3	2.11 /3.0
0.10	8.9	2.84 /3.0
<0.07	9.6	23.06 /3.0
<0.07	5.5	4.02 /3.4
0.17	8.2	5.86 /3.4
0.69	25.7	2.91 /3.0
1.17	18.5	2.01 /2.4
2.44	19.9	1.49 /2.3
3.74	11.7	0.32 /2.6
5.83	6.5	0.15 /1.5
2.50	25.7	1.68 /1.8
0.17	6.5	14.86 /2.3

– 1350 m

DDH 91-6

3.12 25.0 1.02 /2.4 ..... g/t Au, g/t Ag, % Zn /metres

4	*Felsic dykes, quartz feldspar porphyry*
3	*Chlorite schist*
2	*Limestone*
1	*a) Argillite* *b) Phyllite* *c) Chert*
Ox	*Oxides*
MS	*Massive sulphides*

– 1300 m

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GEOLOGICAL SECTION 10,000N

SECTION LOOKS NORTH

SCALE	DATE	NTS Nº	FIG. Nº
1:500	Dec.13/91	93N/11W	5

10,000 E

Elevation

– 1480 m

– 1450 m

– 1400 m

– 1350 m

DDH 91-9 (15m N)

DDH 91-7

DDH 91-8

No recovery /3.2
0.14 16.5 7.34 /1.6
No recovery /0.3
0.14 7.5 2.88 /3.2
No recovery /1.2
1.82 29.8 1.52 /7.3
No recovery /1.5
6.24 47.7 2.25 /4.6
2.16 29.5 2.34 /3.0

1.17 13.7 2.34 /4.9

<0.07 6.2 4.04 /1.2
0.21 44.6 2.93 /1.8
<0.07 34.6 5.11 /1.2
<0.07 2.1 0.93 /1.4
<0.07 6.2 16.76 /1.5
<0.07 4.1 7.77 /0.3
<0.07 5.5 21.22 /0.6
<0.07 2.1 0.88 /1.4
1.44 18.2 1.82 /1.5
No recovery /1.2
0.41 7.5 1.70 /2.0
<0.07 6.2 2.54 /3.5

3.12 25.0 1.02 /2.4 g/t Au, g/t Ag, % Zn/metres

4	*Felsic dykes, quartz feldspar porphyry*
3	*Chlorite schist*
2	*Limestone*
1	*a) Argillite b) Phyllite c) Chert*
Ox	*Oxides*
MS	*Massive sulphides*

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GEOLOGICAL SECTION 10030N

SECTION LOOKS NORTH

SCALE	DATE	NTS	FIG. Nº
1:500	Dec 13/91	93N/11W	6

Elevation

– 1480 m

10000 E

Fill

2

MS

1a

MS

10,3

1a

4

2,4

2

4

2

4

– 1450 m

– 1400 m

DDH 91-9

– 1350 m

4	*Felsic dykes, quartz feldspar porphyry*
3	*Chlorite schist*
2	*Limestone*
1	*a) Argillite* *b) Phyllite* *c) Chert*
Ox	*Oxides*
MS	*Massive sulphides*

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J. ROTHEN

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GEOLOGICAL SECTION ALONG DDH 91-9

SECTION LOOKS NORTHWEST

SCALE	DATE	NTS	FIG. Nº
1:500	Dec 13/91	93N/11W	7

Appendix I

ANALYTICAL PROCEDURES

October 11, 1991

GOLD AND SILVER BY FIRE ASSAY WITH COLLECTOR

This procedure takes advantage of the ability of a collector for Au and Ag and the collector retards the loss of Ag during the cupellation stage of fire assay.

There are advantages to using this method to do Au/Ag assays:

1. Both the Au and Ag can be run by A.A. off the same solution at very low levels. (i.e. we can read very accurately the Au to 0.001 OPT and the Ag to 0.01 OPT).

2. The fire assay Gravimetric method is at best give or take 0.02 OPT and down in the low levels it is easy to have high losses of Ag during cupellation. this does not happen with the Collector in the bead!

3. The method is good for levels up to 1.00 OPT Ag and 0.300 OPT Au (over 1 OPT the Ag has a tendency to precipitate out of the solution).

4. The au result by this method is every bit as good as the fire assay A.A. finish currently used by most labs.

5. The limiting factor is that you can't go as high as you want to for Ag. We have to reassay by Gravimetric finshi any Ag's over 1.00 OPT>

ZINC BY ATOMIC ABSORPTION

REAGENTS

Hydrochloric Acid (HCl) - conc.
Nitric Acid (HNO3) - conc.

APPARATUS

Hot plate
300 ml beakers (tall form)
Cover glasses
Funnels
200 ml Volumetric flasks
Wash bottle
Atomic absorption unit

PROCEDURE

1. Weigh 0.5 gm sample into 300 ml (tall form) glass beaker.
2. Add 10 mls each of HNO3 and HCl.
3. Digest on hot plate: take to dryness.

4. Remove from hot plate and allow to cool.
5. Add 50 mls of D.I. water and 25 mls HCl.
6. Cover and boil 5-10 mins.
7. Cool and transfer into 200 ml volumetric flasks.
8. Bulk to volume and mix thoroughly.
9. Finish by AA.

If dilutions are needed, take 10 mls and dilute to 100 mls with 10% acid except in the case of Sb, Pb, and Ag which take 25% HCl final volume.

If they are over 10% and drill samples, all elements must be rerun wet or at least by A.A. again in duplicate at 0.25 grams. Zn assays must be run again by titration. Only if they are rock samples and not drill samples can just A.A. results reported.

AA INSTRUMENT PARAMETERS
Wavelength = 213.9 nm
Slitwidth = 100
Lamp Current = 5 mA
Fuel Flow = Air/Acetylene
Flame Conditions = Lean

LEAD BY ATOMIC ABSORPTION

REAGENTS

Hydrochloric Acid (HCl) - conc.
Nitric Acid (HNO3) - conc.
Potassium Chlorate (KClO3)

APPARATUS

Hot plate
300 ml beakers (tall form)
Cover glasses
Funnels
200 ml Volumetric flasks
Wash bottle
Atomic Absorption Unit

PROCEDURE

1. Weigh 0.5 gm sample into 300 ml (tall form) beaker.
2. Add 10 mls each HNO3, and HCl.
3. Digest on hot plate; take to dryness.
4. Remove from heat and allow to cool.
5. Add 50 mls of D.I. water, 25 mls HCl and approximately 0.1 gm KCl03. (pinch).
6. Cover and boil for 30 mins.
7. Cool and transfer into 200 ml volumetric flask.
8. Bulk to volume and mix thoroughly.
9. Finish by AA.

If dilutions are needed, take 10 mls and dilute to 100 mls with 10% acid except in the case of Sb, Pb, and Ag which take 25% HCl final volume.

Ag, Pb, and Sb must be run on the A.A. on the same day they are bulked up to avoid the elements precipitating out in their chloride form.

If they are over 10% and drill samples, all elements must be rerun wet or at least by A.A. again in duplicate at 0.25 grams. Only if they are rock samples and not drill samples can just A.A. results reported.

AA INSTRUMENT PARAMETERS

Wavelength = 283.3 nm
Slitwidth = 50
Lamp Current = 5 mA
Fuel Flow = Air/Acetylene
Flame Condition = rich

ANTIMONY BY ATOMIC ABSORPTION

REAGENTS

Hydrochloric Acid (HCl) - conc.
Nitric Acid (HN03) - conc.
Perchloric Acid (HCl04) - conc.
Hydrofluoric Acid (HF)
Potassium Chlorate (KCl03)

APPARATUS

Hot plate
Teflon beakers
Cover glasses
Funnels
200 ml volumetric flasks
Wash bottle
Atomic Absorption Unit

PROCEDURE

1. Weigh 0.5 gm sample into teflon beaker.
2. Add 10 mls each HN03, HCl then HCl04.
3. Add 3-5 mls HF.
4. Digest on hot plate, take to heavy perchloric fumes.
5. Remove form heat and allow to cool.
6. Add 50 mls of D.I. water, 25 mls HCl and approximately 0.1 gm KCl03.
7. Cover and boil for 30 mins.
8. Cool and transfer into 200 ml volumetric flask.
9. Bulk to volume and mix thoroughly.
10. Finish by AA.

Sb, Pb, and Ag must always be run the same day they are bulked up to volume to avoid the elements precipitating out of solution.

AA INSTRUMENT PARAMETERS

Wavelength = 217.5 nm
Slitwidth = 100
Lamp Current = 10 mA
Fuel Flow = Air/Acetylene
Flame Condition = rich

Appendix II

DIAMOND DRILL CORE LOGS

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10000N
10000E
Elev. 1474 m

Length 65.5 m
Azimuth 064°

Project Lustdust Property
Location: 24 metres northwest Trench

Hole No. DDH91-1
Date Sept. 4/91
Logged by: J. Rotzien

Core size NQ

Dip -45°

Purpose: Test downdip continuity and geometry of oxidized zone.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.9		Datum to ground			
0.9	7.6	Fill and Overburden	Casing			
7.6	19.8	Limestone	Mottled grey, moderately hard, massive to faintly bedded,	7.6	10.7	1.4
			rubbly, rehealed limestone breccia with fresh to highly	10.7	13.7	0.2
			oxidized joint surfaces ranging through rusty brown,	13.7	16.8	1.0
			yellow, sandy and dark brown. Buff to brown blebs	16.8	19.8	1.5
			of possible sphaleritic limestone constitute ±3% of core.	19.8	22.9	0.3
			Jointing is predominantly oriented at 0°-10°, 45° and 30°.	22.9	25.9	1.0
				25.9	32.0	1.1
				32.0	35.0	1.5
			7.6 m-12.4 m Faintly bedded limestone rubbly to blocky core	35.0	38.1	2.7
			and sparse staining on joint surfaces. Bedding at 45°.	38.1	41.1	1.1
				41.1	44.2	2.6
				44.2	47.2	2.0
			12.4 - 19.8 Limestone is massive but vuggy and rubbly with	47.2	50.3	0
			more intense staining and mineralization.	50.3	53.3	0

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			Fracturing is more intense and joints are all stained and commonly vuggy. Calcite veinlets are common throughout increasing from 2mm to 6 mm with depth.	56.4 59.4 62.5	59.4 62.5 65.5	1.9 0 0.2
19.8	21.3	Shear Zone	Olive grey, very soft, sticky clay gouge with fragments of chlorite schist and limestone. 19.9 - 20.0 Light rusty brown clay. 20.7 - Foliation at 75° to 90°. 21.0 - 21.3 Increasingly solid chlorite schist with limey bands.			
21.3	30.5	Chlorite Schist	Grey green, soft to moderately hard, intensely foliated, vuggy, rubbly to blocky, fine-grained chlorite schist with bands and blebs of limestone decreasing with depth. Oxidized mineralization common throughout but decreasing with depth. Rust staining is common in disseminations and along joints. Oxidized pyrite crystals up to 3 mm are sparse. Oxidation products range from dark rusty brown to light yellow brown. Foliation is drag folded in places but commonly consistent at: 21.3 - 75° 26.8 - 75° 29.9 - 80° 22.9 - .9 cm Rusty clay with fragments of chlorite schist. 23.3 - 6 cm Graphitic shear. 24.4 Distinctly crinkled drag folded chlorite schist.			

Hole No.: DDH91-1

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
30.5	32.0	Limestone	Grey, moderately hard, massive, blocky limestone with dull greyish brown vuggy joints.			
32.0	35.2	Chlorite schist	Grey to grey green, moderately hard, foliated, highly broken, chlorite schist with oxides on foliation and joint surfaces and weakly disseminated throughout. Foliation at 75°.			
35.2	36.4	Limestone	Grey moderately hard, massive, blocky to rubbly, vuggy limestone with joints commonly at 10° and 65° with light orange to dark rusty brown staining and solution features. 35.8 - 6 cm Brown moderately hard limestone with (sphalerite?)			
36.4	61.6	Oxidized Zone	Light yellow to dark brown, very soft, clayey, oxidized zone with fragments and bands of limestone. Very poor core recovery from 36.4 to 41.1. 36.4 - 38.1 Dark brown to yellow clay with limestone fragments. 38.1 - 10 cm Limestone. 38.1 - 41.4 Yellowish brown clay. 41.4 - 41.9 Grey limestone. 41.9 - 44.2 Yellowish brown to rusty orange clay. 44.2 - 45.7 Rusty orange to orange brown clay. 45.7 - 50.4 Yellow brown clay with minor intervals of rusty orange clay and fragments of dark brown oxidized material. 50.4 - 53.3 Rusty orange to dark brown, clayey to sandy oxides. 53.3 - 53.9 Yellow clay with black sandy material and rusty red to dark brown clay. 53.9 - 54.6 Grey, faintly bedded limestone with bedding at 45° to 50°. 54.6 - 56.2 As in 53.3 to 53.9. 56.2 - 5 cm limestone.			

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			56.2 - 57.9 As in 53.3 to 53.9. 57.9 - 59.4 Yellowish to orange oxidized clay with gravelly limestone fragments. 59.4 - 61.0 Rusty orange to brown clay with dark brown sandy material. 61.0 - 61.1 Limestone. 61.1 - 61.6 As in 59.4 - 61.0.			
61.6	65.5	Limestone	Grey, moderately hard, blocky, faintly bedded limestone with weak, rehealed brecciation. Slightly vuggy with rust stains on vugs and joints and blebs of brown, sphaleritic (?) limestone.			
65.5			END OF HOLE. NOTE: Majority of core loss likely from oxidized sand and clay being washed and pushed out of hole due to fragments of limestone wedged in core catcher. 2) All measurements in metres unless otherwise noted. 3) All angles measured with respect to core axis.			

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10000N
10000E
Elev. 1474 m

Length 83.2 m
Azimuth 064°

Project Lustdust Property
Location: 24 metres northwest Trench

Hole No. DDH91-2
Date Sept. 4/91
Logged by: J. Rotzien

Core size NQ

Dip -45°

Purpose: Test downdip continuity and geometry of oxidized zone.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.7		Datum to ground.			
0.7	6.1	Fill and Overburden.	Casing.			
6.1	23.0	Limestone	Grey, moderately hard, blocky to rubbly, medium to coarse-grained limestone with traces of oxidized sulphides predominantly on joint surfaces. Calcite healed joints up to 3 mm thick predominantly oriented at 40°. Rust stained joints commonly at 0°-15°.	6.1	7.6	0
				7.6	10.7	0
				10.7	13.7	0
				13.7	16.8	0
				16.8	19.8	0.2
				19.8	22.9	0.7
				22.9	25.9	2.9
			6.1 - 12.2 Massive, rubbly to blocky limestone.	25.9	29.0	2.3
			12.2 - 12.6 Thinly bedded, blocky limestone with bedding at 65°.	29.0	32.0	1.9
				32.0	35.0	1.6
			12.6 - 17.4 Massive to weakly bedded, blocky limestone with bedding	35.0	38.1	2.0
			at 35° at 14.9 m.	38.1	41.1	2.9
			17.4 - 19.6 Light grey, massive, sound limestone with 1-2% buff to grey	41.1	44.2	1.2

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			brown blebs of sphaleritic limestone.	44.2	47.2	0.4
				47.2	50.3	0.9
			19.6 - 22.1 Massive, sound to blocky limestone.	50.3	51.5	0.3
			22.1 - 22.9 Light grey to brown, sound, faintly bedded limestone with a	51.5	52.1	0.1
			trace of sphalerite. Bedding @ 30° at 22.3 m.	52.1	52.7	0
				52.7	53.9	0
			22.9 - 23.0 Limestone with some greenish brown, soft chloritic material.	53.9	54.6	0
				54.6	55.8	0
				55.8	56.4	0
				56.4	57.0	0
				57.0	57.6	0
23.0	25.9	Shear Zone?	No Core Recovery	57.6	58.2	0
				58.2	58.8	0.3
25.9	38.1	Chlorite Schist	Grey green to rusty grey, moderately soft to soft, rubbly to blocky,	58.8	59.4	0.3
			fine grained, foliated chlorite schist with abundant layers and blebs	59.4	60.0	0.6
			of limestone and drag folding at 31.4 m.	60.0	61.0	0.9
				61.0	61.3	0.2
				61.3	61.8	0
			25.9 - 29.9 Rust stained with 1-2% sphalerite.	61.8	62.5	0.3
			Foliation at 40°	62.5	63.1	0.3
			29.9 - 31.7 Dark grey, vuggy with foliation at 40°	63.1	63.7	0.2
			31.7 - 38.1 Grey green with rusty joints and foliation at 35°.	63.7	64.3	0.2
				64.3	64.9	0.1
				64.9	65.5	0.1
38.1	41.1	Argillite	Grey, moderately soft to soft, rubbly, very fine grained, foliated	65.5	66.1	0.4
			argillite with rusty foliation partings. Only 0.15 m of core recovered.	66.1	66.8	0.1
				66.8	67.4	0.1

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
				67.4	68.0	0.2
41.1	51.7	Limestone	Grey, moderately hard, massive to faintly bedded, sound to blocky, medium to coarse grained limestone with abundant rusty joints and from 44.3 m to 49.7 m increasingly abundant and thicker zones of oxidized sulphides. Jointing @ 30°, 60° and 10°, all rust stained.	68.0	68.6	0.5
				68.6	69.2	0
				69.2	69.8	0.6
				69.8	70.4	0.6
				70.4	71.0	0
				71.0	71.6	0.6
			Rock has been brecciated and rehealed generally causing displacement of bedding features and some small scale drag folding.	71.6	72.2	0
				72.2	72.8	0
				72.8	73.8	0
				73.8	74.4	0.1
			43.3 Faint bedding at 25° - 30°	74.4	74.7	0
			44.5 - 6 cm Rusty clay recovered	74.7	75.9	0.5
			47.5 - 15 cm Buff clay recovered	75.9	76.5	0.2
			47.8 - 3 cm Rusty brown clay recovered	76.5	77.1	0.2
			48.1 - As above	77.1	77.7	0.6
			48.5 - 49.8 0.4 m rusty brown clay recovered	77.7	78.3	0.5
				78.3	78.9	0.2
51.7	63.0	Oxidized Zone	Grey brown to rusty orange to dark reddish brown, clayey to sandy massive oxidized zone with occasional limestone fragments.	78.9	79.6	0.4
				79.6	80.2	0.2
				80.2	80.8	0
				80.8	81.4	0
			51.7 - 52.1 Dark reddish brown oxides	81.4	83.2	0.1
			52.1 - 53.2 Light rusty brown clayey oxides with 8 cm limestone at 52.9 m (not sampled).			
			53.2 - 53.6 Light rusty brown sandy oxides with sand-sized limestone fragments.			

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
				67.4	68.0	0.2
			53.6 - 54.2 Light rusty brown clayey oxides. 54.2 - 54.7 Rusty brown clayey oxides. 54.7 - 55.6 Light rusty brown clayey oxides. 55.6 - 59.2 Orange, brown clayey oxides with blebs of bright orange and dark brown oxides. 59.2 - 60.4 Dark reddish brown, moderately soft to loose sandy oxidized materials. 60.4 - 61.6 Light rusty brown to orange brown, loose, sandy to clayey oxides. 61.6 - 62.9 Dark reddish brown to reddish brown, moderately soft to very soft clayey oxides. 62.9 - 63.0 Limestone. NOTE: from 52.7 to 58.2 core recovery >100% due to core swelling 40-50% in length after retrieving from inner barrel.			
63.0	66.4	Massive Sulphides	Dark brown to dark reddish brown, very soft to moderately soft, fine to coarse grained, vuggy, massive sulphides with one interval of 6-8 cm of galena ? rich material and remnant lenses of extremely vuggy, very fine grained, multicoloured chlorite schist. 63.0 - 63.7 Dark brown vuggy sulphides. 63.7 - 63.8 Fresh, weakly magnetic vuggy sulphides. 63.8 - 64.9 Dark brown vuggy sulphides with a bleb of fresh sulphides at 64.4 m and a remnant of chlorite schist (1.5 cm) at 64.7 m.			

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			64.9 - 65.2 Dark brown to black sulphides with blebs of fresh sulphides and chlorite schist. 65.2 - 66.4 Dark brown to black sulphides.			
66.4	71.0	Oxidized Zone	Light orange brown, very soft, rubbly to pulverized, clayey oxides and dark reddish brown, loose, sandy oxides. 66.4 - 66.6 Light orange brown clayey oxides. 66.6 - 3 cm Limestone. 66.6 - 68.3 Dark reddish brown, loose, sandy oxides with a trace of moderately magnetic particles and minor intervals of orange brown clayey oxides. 68.3 - 69.2 Light to dark orange brown, soft, clayey oxides with blebs of dark reddish brown, loose, sandy oxides. 69.2 - 70.4 No core recovery - likely loose sandy oxides. 70.4 - 71.0 Mixed oxides as in 68.3 to 69.2 with 50:50 clayey:sandy.			
71.0	79.6	Mixed Oxides and Sulphides	Orange brown to dark brown and black, very soft to moderately hard, rubbly to blocky mixture of sulphides and oxides. 71.0 - 71.6 No core recovery. 71.6 - 71.8 Dark to light rusty brown, moderately hard sulphides. 71.8 - 72.3 Dark brown loose, sandy sulphides. 72.3 - 72.8 Reddish brown partially oxidized sulphides. 72.8 - 73.4 Rusty brown, soft, sandy oxides. 73.4 - 79.6 Rusty brown to dark reddish brown, moderately hard sulphides. Vuggy from 76.5 to 79.6 m.			
79.6	83.2	Limestone	Grey, moderately hard, blocky to sound, fine to medium grained limestone with 1-2% light brown to buff sphaleritic blebs. Joints are rusty and predominantly at 20° and 50°.			

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			79.8 Bedding at 30°.			
			79.8 - 80.2 Brownish grey sphaleritic limestone.			
83.2			END OF HOLE			

NOTE: 1) All measurements in metres unless otherwise noted.
2) All angles measured with respect to core axis.

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 9,970 mN
9,996 mE
Elev. 1480 m

Length 60.1 m
Azimuth 06°

Project Lustdust Property
Location: Approximately 50 m south of trench.

Hole No. DDH91-3
Date Sept. 4/91
Logged by: J. Rotzien

Core size NQ

Dip -45°

Purpose: Test downdip and on strike extension.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.9		Datum to ground.			
0.9	3.6	Limestone	Casing.			
3.6	7.8	Limestone	Grey, moderately hard, coarse grained, blocky to rubbly, massive, rehealed limestone breccia with occasional rust stained joints. At 4.4 m 2 2.5 cm band is brownish grey and sphaleritic. Jointing predominantly at 70° and 40°.	3.6	4.6	0
				4.6	5.8	0
				5.8	6.7	0
				6.7	7.6	0.6
				7.6	8.5	0.8
7.8	19.3	Chlorite Schist	Grey green, moderately soft, fine grained, foliated, rubbly, chlorite schist with blocky, limey bands and occasional intervals of rusty chlorite schist and/or mud. Jointing is predominantly along foliation at 70° and at 70° across foliation. Contacts with limestone above and below are abrupt and broken.	8.5	9.4	0.6
				9.4	10.7	0.5
				10.7	11.3	0
				11.3	12.2	0.2
				12.2	13.7	0.3
				13.7	15.2	0.6
				15.2	15.8	0.1
				15.8	16.8	0.5
			11.4 - 9 cm rusty chlorite schist.	16.8	17.7	0.5
			13.8 - 6 cm rusty chlorite schist.	17.7	18.9	0.5

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			14.2 - 15 cm Rusty chlorite schist with some clay.	18.9	19.8	0.1
			15.5 - 15.8 Rusty chlorite schist with some clay.	19.8	20.7	0.2
			16.2 - 18.0 Loose, intensely broken, muddy chlorite schist with bands of rusty schist and clay.	20.7	21.9	0.2
				21.9	22.9	0.2
			19.0 - Blebs of oxidized sulphides in schist.	22.9	24.4	0
				24.4	25.9	1.4
19.3	24.3	Limestone	Mottled grey, moderately hard, massive, rubbly to sound, coarse grained, rehealed limestone breccia becoming vuggy with depth; especially from 22.6 m to 24.3 m where vugs have rusty infilling.	25.9	26.5	0.5
				26.5	26.8	0.3
				26.8	27.4	0
			Irregular bands (stylolites?) of black carbonaceous material give limestone a mottled texture.	27.4	29.0	0
				29.0	30.5	0.2
				30.5	32.0	0.1
			20.2 - 3 cm Grey, sandy, limey seam.	32.0	33.5	1.1
			20.6 - 20.7 Grey sandy, limey seam.	33.5	34.4	0.1
			21.5 2 cm Light rusty clay @ 70°. Lost core from 21.5 m to 21.9 m may be oxides.	34.4	35.1	0
				35.1	36.6	0.6
			22.5 - 9 cm Grey limey mud seam @ 70°.	36.6	38.1	0.6
24.3	26.5	Chlorite Schist	Grey green, moderately soft, rubbly, fine grained chlorite schist with bands of limestone and numerous rust stained joints.	38.1	38.7	0.6
				38.7	39.9	0.5
				39.9	40.5	0.6
26.5	27.0	Oxidized Zone	Light rusty brown, very soft, clay oxides with sand to gravel sized limestone fragments.	40.5	40.8	0.3
				40.8	41.1	0.2
				41.1	41.4	0.1
27.0	36.6	Limestone	Grey, moderately hard, sound, coarse grained, massive, rehealed	41.4	42.1	0.2
				42.1	43.0	0.5

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			limestone breccia with intervals of chlorite schist and light rusty brown clayey oxides. Jointing predominantly at 45° to 50°.	43.0	44.2	0.6
				44.2	44.8	0.4
			27.4 - 12 cm Grey sandy to clayey limey mud.	44.8	45.4	0
			28.3 - 9 cm Chlorite schist with 1 cm rusty clay.	45.4	46.0	0.6
			Contacts broken and abrupt at 70°.	46.0	46.6	0.2
				46.6	47.2	0.2
				47.2	47.8	0.1
			29.0 - 20 cm Rusty chlorite schist.	47.8	48.8	0.5
			31.5 - 12 cm Brownish bands of sphaleritic limestone.	48.8	49.1	0
			32.1 Rusty clay mixed with gravel sized limestone fragments.	49.1	50.3	0.6
			3.5 m Core loss from 32.0 m to 33.5 m likely oxides.	50.3	50.6	0.1
			33.5 - Trace of rusty clay.	50.6	51.5	0.1
			34.0 - 34.1 2 cm Rusty clay at 70° and 1 cm at 20°.	51.5	51.8	0.1
			34.6 - Trace of rusty clay.	51.8	52.4	0.1
			35.7 - 2 cm Rusty clay.	52.4	53.3	0.1
			35.9 - Trace of rusty clay.	53.3	54.9	0.8
36.6	39.9	Chlorite Schist	Grey green moderately soft, rubbly to blocky, foliated, fine grained chlorite schist with rusty and limey bands. From 38.1 m to 39.9 m only 0.1 m of core recovered of very soft silty to sandy fragments of crushed (sheared?) chlorite schist with a trace of sphalerite. Foliation at 45°.	54.9	55.2	0.3
				55.2	55.8	0
				55.8	56.4	0.3
				56.4	57.0	0.2
				57.0	57.6	0.2
39.9	48.8	Oxidized Zone	Light rusty brown to dark reddish brown, very soft to soft,clayey oxides.	57.6	58.2	0
				58.2	58.8	0

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			39.9 - 44.0 Light yellowish brown to orange brown clayey oxides.	58.8	59.4	0.2
			44.0 - 44.3 Limestone.			
			44.3 - 47.8 Orange to reddish brown clayey to silty oxides.			
			47.8 - 48.8 Limestone pebbles in rusty clay matrix.			
48.8	61.0	Limestone	Grey, moderately hard, rubbly to blocky, massive, rehealed limestone breccia with rusty joints predominantly oriented at 45° and 70°.			
			48.8 - 49.7 Limestone pebbles and cobbles in rusty silk matrix.			
			50.3 - 50.7 Limestone pebbles with light yellow silt coating.			
			50.7 - 61.0 Core is less oxidized.			
			51.0 - 6 cm Soft sheared limestone at 85°.			
			51.5 - 51.8 Rubbly limestone with light yellowish brown to orange brown clay coating.			
			51.8 - 61.0 Rubbly to blocky limestone with lightly yellowish brown to orange brown clay in joints.	59.4	60.0	0.4
61.0			END OF HOLE.	60.0	61.0	0.5

NOTE: 1) All measurements in metres unless otherwise noted.
2) All angles measured with respect to core axis.

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 9,970 mN
Elev. 1,480 m Length 65.5 m
Azimuth 06°

Project Lustdust Property
Location: Approximately 50 m SW of trench.

Hole No. DDH91-4
Date Sept. 4/91
Logged by: J. Rotzien

Core size NQ Dip -65°

Purpose: Test downdip extension of intersection in DDH91-3.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.7		Datum to ground.			
0.7	1.8	Fill	Casing.			
1.8	7.9	Limestone	Mottled grey, moderately hard, blocky to sound, massive, coarse grained limestone with stylolites. From 6.7 m to 7.9 m limestone is more broken. Contact with chlorite schist below is sheared with 2 cm of clayey gouge at 70° to core axis. Numerous joints at 0°, 20°, 45° and 60° are all rust stained. One joint at 3.4 m contains 8 cm of rusty clay.	1.8	3.0	0
				3.0	4.6	0
				4.6	5.8	0
				5.8	6.7	0
				6.7	7.6	0
				7.6	9.1	0.9
				9.1	10.4	0.4
				10.4	10.7	0
7.9	12.6	Chlorite Schist	Grey green to rusty brown, moderately soft, rubbly to blocky, foliated, fine grained chlorite schist with blebs and bands of limestone and traces of pyrite. The contact with the limestone below is shattered and sheared. Jointing is predominantly parallel to foliation at 50° to 60°.	10.7	11.6	0
				11.6	12.2	0
				12.2	12.8	0
				12.8	13.7	0.1
				13.7	15.2	0.7
				15.2	15.5	0.2
				15.5	16.8	0.4

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
12.6	16.9	Limestone	Grey, moderately hard, rubbly to sound, vuggy, massive, coarse grained, rehealed limestone breccia with numerous rusty joints as in 1.8 to 7.9. Trace to 1% sphalerite on some joint surfaces.	16.8	18.3	1.3
				18.3	19.8	1.1
				19.8	20.7	0.1
				20.7	21.6	0.1
				21.6	22.9	0.8
16.9	24.1	Mixed Unit	Grey to grey green to rust brown, moderately hard to soft, rubbly to blocky, vuggy, finely interlayered rehealed limestone and chlorite schist with minor intervals of rusty clay. Jointing predominantly parallel to foliation in chlorite schist at 75°.	22.9	24.1	0.5
				24.1	24.7	0.3
				24.7	25.9	0.6
				25.9	27.1	0.6
				27.1	28.6	0.3
				28.6	29.0	0
				29.0	30.5	0.4
24.1	37.2	Limestone	Grey, moderately hard, rubbly to sound, massive to vuggy, coarse grained, rehealed limestone breccia with 1-3% sphalerite in short intervals around zones of rusty clay. Jointing predominantly at 60° to 70° and 30°.	30.5	32.0	0.1
				32.0	33.5	0
				33.5	35.0	0
				35.0	36.6	0
				36.6	38.1	0.8
				38.1	39.6	0.8
				39.6	41.1	1.1
				41.1	42.1	0.5
			27.1 - Fractured limestone with a trace of rusty clay.	42.1	42.7	0.6
			28.6 - As at 27.1.	42.7	43.3	0.5
			28.8 - 1.5 cm Rusty clay.	43.3	43.9	0.6
			29.0 - 6 cm Rusty clay.	43.9	44.5	0.5
			29.1 - 3 cm Rusty clay.	44.5	45.1	0.4
			29.7 - 1.5 cm Rusty clay.	45.1	46.0	0.6

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			29.5 - 1.5 cm Rusty clay.	46.0	46.6	0
			30.9 - 9 cm Rusty clay.	46.6	47.2	0.1
			31.1 - 1.5 cm Black to rusty yellow clay.	47.2	47.8	0.3
			31.7 - 1.5 cm Dark brown rusty clay with 15 cm of sphaleritic	47.8	48.8	0.1
			limestone.	48.8	49.1	0.5
			32.6 - 1.4 cm Rusty clay.	49.1	49.4	0.4
			33.0 - 1.5 cm Rusty clay.	49.4	50.0	0
			33.2 - 3 cm Rusty clay.	50.0	50.3	0
			33.6 - 3 cm Rusty clay.	50.3	51.5	0.6
			33.8 - 3 cm Rusty clay.	51.5	52.4	0.5
			34.1 - 34.9 Light rusty silt.	52.4	53.3	0.6
			35.2 - 9 cm Rusty clay.	53.3	53.9	0.3
			36.6 - 6 cm Rusty clay.	53.0	55.2	0.4
				55.2	56.4	0.5
37.2	58.7	Oxidized Zone	Light yellowish brown to dark reddish brown, very soft to moderately	56.4	57.3	0.8
			soft, rubbly, clayey to sandy oxides. From 43.9 m to bottom intensity	57.3	58.2	0.7
			of oxidation decreases with remnants of vuggy sulphides and chlorite	58.2	59.4	0.5
			schist. Contacts with limestone above and below are broken and abrupt.	59.4	60.0	0.6
			37.2 - 39.2 Orange to reddish brown sulphides.	60.0	61.6	0.1
			39.2 - 40.1 Grey, vuggy limestone.	61.6	62.5	0
			40.1 - 41.1 Reddish brown oxides with very low recovery.	62.5	63.1	0.1
			41.1 - 42.7 Yellowish brown clay.			
			42.7 - 45.1 Reddish brown oxides with little clay recovered.			
			45.1 - 46.6 Yellowish to orange brown clay.			
			46.6 - 52.1 Reddish brown oxides with minor intervals of olive grey			
			clay and numerous pieces of harder core. At 49.4 m 3 cm of massive			

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			sulphides. 52.1 - 53.9 Yellowish brown to reddish brown oxides and grey to greenish grey chlorite schist. 53.9 - 58.2 Reddish brown silty to gravelly oxides. 58.2 - 58.7 Mixed reddish to yellowish brown and grey green to black clay. Possible shear at contact.			
58.7	63.1	Limestone	Grey, moderately hard, blocky to rubbly, coarse grained, massive limestone with intervals of yellowish brown clay. Jointing predominantly at 75° and 45°. 59.3 - 3 cm Yellowish brown clay. 59.4 - 60.0 No recovery. 60.0 - 60.4 Yellowish brown clay. 61.6 - Trace yellow brown clay.			
63.1			END OF HOLE			

NOTE: 1) All measurements in metres unless otherwise noted.
2) All angles measured with respect to core axis.

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 9,970 mN
9,995 mE
Elev. 1480 m

Length 185.9 m
Azimuth -

Project Lustdust Property
Location: 50 SW of Trench

Hole No. DDH91-5
Date Sept.18/91
Logged by: J. Rotzien

Core size NQ

Dip -90°

Purpose: Test structural geology to depth.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.6		Datum to ground			
0.6	2.4	Fill	Casing			
2.4	19.8	Limestone	Mottled grey, moderately hard, blocky to sound massive coarse grained stylolitic limestone with rusty joints predominantly at 0°, 45° and 60° to 70°. Rusty clay infillings are common below 10.7 m where limestone is more broken and vuggy.	2.4	4.6	0
				4.6	6.1	0
				6.1	7.6	0
				7.6	8.5	0
				8.5	9.4	0
			10.7-12.2 Low recovery of light buff to brown clay	9.4	10.7	0.1
			12.6 - 1.5 cm rusty clay	10.7	12.2	1.0
			13.2 - Trace rusty clay	12.2	13.7	0
			13.8 - Trace rusty clay	13.7	15.2	0
			13.9 - Trace rusty clay	15.2	16.8	0
			14.0 - Trace rusty clay	16.8	17.1	0
			14.3 - Trace rusty clay	17.1	18.0	0
			14.9 - Trace rusty clay	18.0	18.9	0.5
			15.5 - 1.5 cm rusty clay	18.9	19.8	0.7
			15.5 - 18.9 All joints contain a trace of rusty clay	19.8	21.3	0
			18.9 - 19.8 Poor recovery in rusty clay with gravelly limestone fragments	21.3	22.9	0.4
				22.9	24.1	0.1

Hole No. DDH91-5

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
				24.1	25.0	0
19.8	29.3	Limey Chlorite Schist	Grey green to grey, moderately soft to moderately hard, blocky, foliated, fine grained chlorite schist with bands blebs and beds of coarse grained, massive limestone and intervals with 3-5% buff sphaleritic blebs and bands. Foliation is variable from 20° to 60° and over short limey intervals is highly contorted. 60% to 70% of joints are parallel to foliation with other predominant joints at 45° and 60°. All joints are commonly rusty. 20.4 - 20.7 Sphaleritic? blebs and bands evident 25.6 - 26.2 Rusty brown to black sphaleritic schist 28.2 - 28.6 As in 25.6 to 26.2	25.0	25.9	0
				25.9	27.4	0
				27.4	28.3	0
				28.3	29.9	0.2
				29.9	30.5	0
				30.5	31.4	0.2
				31.4	32.6	0.2
				32.6	33.2	0.2
				33.2	33.8	0.3
				33.8	35.1	0.3
				35.1	67.4	0
29.3	67.5	Limestone	Grey, moderately hard, blocky to rubbly, massive, coarse grained limestone with vuggy, rust stained joints at 0°, 30°, 60° and 80°. From 40.2 m to 67.5 m the core is generally sound with minor rubbly intervals. 29.3 - 30.2 0°-10° joint with 0.5 cm rusty clay 30.6 - 0° joint with a trace of rusty clay 32.3 - 30° joint with a trace of rusty clay 32.4 - 36.9 All joints have a trace of rusty clay 40.2 - 43.6 Faint banding (bedding?) at 20° 47.7 - 48.5 As above at 10° to 30° 53.3 - Trace sphalerite on joint at 20° 58.0 - Limestone more brecciated and rehealed but core still sound 65.7 - 0.1 m limestone with rusty cubic cavities	67.4	68.6	0.5
				68.6	85.6	0
				85.6	86.9	0.5
				86.9	88.4	0.2
				88.4	89.9	0.3
				89.9	90.5	0
				90.5	91.4	0
				91.4	93.3	0
				93.3	93.8	0
				93.8	94.2	0.1
				94.2	102.7	0
				102.7	104.2	0.2

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			(oxidized pyrite crystals).	104.2	105.2	1.0
			66.4 - 15 cm rusty clay	105.2	106.7	1.0
				106.7	121.9	0
67.5	69.0	Oxidized Zone	Light rusty brown to orange brown, very soft, silty to clayey oxides.	121.9	124.7	0.4
				124.7	146.6	0
69.0	80.6	Limestone	Grey, moderately hard, blocky to sound, massive, coarse grained limestone with rusty joints predominantly at 65°, 25° and 0°. Dark gray fragments of siliceous limestone are evident. Brecciation (and rehealing) increasing with depth resulting in a lighter grey colour except in siliceous zones. From 85.3 m to 85.6 m limestone is vuggy.	146.6	148.1	0.1
				148.1	149.4	0.8
				149.4	185.9	0
86.0	89.8	Oxidized Zone	Light yellowish brown grading to dark orange brown sandy to clayey oxides.			
89.8	104.1	Limestone	Light to dark grey, moderately hard to hard, blocky, massive, coarse to medium grained rehealed limestone breccia with intervals of up to 0.3 m of siliceous limestone and short intervals of buff to brown sphaleritic limestone. Rehealing of breccia with calcite results in light grey colour while siliceous intervals are dark grey. Joints are commonly oriented at 60° - 70°, 50° and 25° and usually have a dark brown to black stain and are rarely rusty. 92.4 - 92.5 Buff to brown sphaletitic limestone 94.4 - 94.6 As above 94.9 - 95.4 As above 95.4 - 100.1 Buff to brown blebs average 1-3% throughout 100.1 - 102.0 Rubbly to blocky core with rust stained joint surfaces			

Hole No. DDH91-5

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			traces of sphalerite. 102.0-104.1 As above but blocky			
104.1	109.0	Oxidized Zone	Light yellowish brown to dark grey brown, very soft, clayey to sandy oxides with intervals of rusty brown, partially oxidized, sphaleritic limestone. Limestone core is generally highly shattered and likely caused large core losses in oxides. 104.2 - 105.2 Light yellow brown clay 105.2 - 106.7 As above with limestone pebbles 106.7 - 107.1 Dark brown sandy oxides 107.1 - 107.3 Limestone 107.3 - 107.9 Dark brown to grey shattered limestone with sphaleritic joints and some dark brown clayey oxides 107.9 - 108.2 Dark brown sandy oxides 108.2 - 108.8 Rusty limestone with a trace of sphalerite 108.8 - 109.0 Dark brown sandy oxides			
109.0	116.0	Cherty Limestone	Grey to black, moderately hard to very hard rehealed bands of randomly oriented chert. Brecciation is rehealed with silica and calcite. Trace to 1% aresenopyrite and up to 3% sphalerite exist along joint surfaces and edges of chert bands. Dark cherty bands also appear to contain a trace of very fine galena (?) or arsenopyrite (?). Jointing commonly at 50° and 70°.			
116.0	126.2	Limey Argillite	Mottled black and grey, moderately soft, blocky, brecciated unit of fine grained limestone and argillite with bands of very fine grained massive sulphides with visible arsenopyrite. High specific gravity may indicate microscopic galena and/or tetrahedrite and rich brown stains on joints indicate 1-3% sphalerite. Shearing is apparent throughout and where intense these shears are graphitic and muddy. Limestone content increases with depth as argillaceous bands decrease in thickness and frequency.			

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			116.0 - 119.9 70% black argillaceous material with overall 15-20% visible sulphides 119.9 - 121.3 Cherty limestone with up to 3% sphalerite and thin seams of argillaceous limestone containing 30-40% arsenopyrite 121.3 - 123.4 Cherty limestone with 3-5% sphalerite 123.4 - 125.2 Limey argillite with 15-20% arsenopyrite 125.2 - 125.7 Cherty limestone with a trace of sulphides 125.7 - 126.1 Limey argillite with 10-15% arsenopyrite			
126.1	135.1	Cherty Limestone	Grey to black moderately hard to very hard, blocky coarse grained limestone with chert nodules, blocks and bands. From 134.4 m to 135.1 m banding is more regular and well defined at 25°. This zone contains 15-20% arsenopyrite whereas elshwhere in this unit there is only a trace of sulphides. Jointing predominantly at 70° with minor sets at 20° and 35°. 126.1 - 129.2 Cherty limestone with a trace of pyrite 129.2 - 129.6 Limey, sheared, graphitic argillite with upper contact at 70° and lower contact at 45° 129.6 - 132.9 Cherty limestone 132.9 - 133.0 Sheared graphitic limey argillite with 10-15% arsenopyrite 133.0 - 134.4 Cherty limestone 134.4 - 135.1 Argillaceous limestone with 10-15% arsenopyrite			
135.1	155.0	Limestone	Medium grey, moderately hard, sound, medium grained, massive limestone with bands of brownish grey to buff sphaleritic (?) limestone. Brown to buff bands increase with depth from 3-5% of core at top of unit to 30-40% at bottom. Joints commonly at 20°, 50° and 70° are usually stained with creamy to bright orange oxides. Contact below not precise due to large core loss and gradational nature.			

Depth From (m)	To (m)	Rock Type	Description	Core Loss From (m)	To (m)	Lost (m)
			145.4 - 0.5 cm light creamy orange oxide 146.3 - 0.3 m brown sphaleritic limestone 148.4 - 151.8 Light to dark grey, moderately hard limestone 152.1 - 9 cm Brown sphaleritic limestone 152.2 - 155.0 Decreasing amount of sphaleritic limestone with depth.			
155.0	164.3	Feldspar Porphyry Dike	Grey green, moderately hard, sound, fine grained feldspar porphyry with medium grained feldspar phenocrysts and a trace of galena. Jointing predominantly at 70°, 45° and 30°. 159.6 Slip with 3 mm of graphite and calcite with a trace of pyrite			
164.3	185.9	Limestone	Grey, moderately hard, blocky to sound, medium to coarse grained, massive limestone with buff blebs and bands of sphaleritic limestone and an interval with 5-10% sulphides. Jointing commonly at 70° and 20° with a less well developed set at 35°. 164.3 - 171.4 Weakly sphaleritic buff blebs and bands constitute 30-40% of core 171.4 - 172.9 Dark grey heavy limestone with 5-10% sulphides including galena 172.9 - 173.2 60% buff sphaleritic limestone 173.2 - 182.5 Mottled grey, coarse grained limestone 183.3 - 185.9 As in 173.2 to 182.5			
185.9			END OF HOLE			

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10008 mN
10044 mE
Elev. 1460 m

Length 131.1 m
Azimuth 244°

Project Lustdust Property
Location: Trench

Hole No. DDH91-6
Date Sept. 28/91
Logged by: J. Rotzien

Core size NQ

Dip -75°

Purpose: Test downdip continuity of grade

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	1.5	Fill				
1.5	3.0	Oxidized Zone	Casing			
3.0	57.2	Oxidized Zone	Light orange to dark reddish brown, rubbly to sound	3.0	4.9	0.6
			very soft to soft clay to loose sandy and gravelly	4.9	6.1	0
			oxides with variations as listed below:	6.1	6.7	0
			3.0 - 11.3 Dark reddish brown, gravelly oxides	6.7	7.9	0
			11.3 - 18.3 Light orage brown to bright yellowish brown	7.9	9.1	0.5
			clayey oxides	9.1	10.4	1.0
			18.3 - 26.5 Dark reddish brown, sandy oxides	10.4	10.7	0.2
			26.5 - 31.7 Light yellowish brown clayey oxides	10.7	11.0	0.3
			31.7 - 33.5 Dark reddish brown, sandy oxides	11.0	11.3	0.2
			33.5 - 49.4 Light yellowish brown to orange brown	11.3	12.2	0.9
			clayey oxides with minor intervals of dark	12.2	12.5	0.7
			reddish brown to black sandy oxides	12.5	13.1	0.6
			49.4 - 52.4 Dark reddish brown silty to sandy oxides	13.1	13.7	0.6
			52.4 - 57.2 Dark reddish brown to black moderately hard	13.7	14.3	0.6
			coarse grained, blocky, partially oxidized material	14.3	14.9	0.5

Hole No. DDH91-6

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			Note: Smooth fast penetration throughout indicates complete	14.9	16.2	1.1
			lack of limestone or chlorite schist	16.2	16.8	0
57.2	61.3	Massive Sulphides	Blueish grey, very soft, loose clayey, very fine to	16.8	17.4	0
			coarse grained, virtually non-magnetic massive sulphides	17.4	18.0	0
			consisting primarily of arsenopyrite with significantly	18.0	18.9	0.3
			lesser amounts of galena, pyrite, sphalerite. Larger	18.9	19.8	0.5
			intact pieces are virtually solid arsenopyrite. Small	19.8	21.3	1.5
			intervals of oxidized material exist at 57.9 and 60.0 m.	21.3	22.9	1.4
61.3	65.4	Oxidized Zone	Dark reddish brown to yellowish brown, very soft to	22.9	24.4	1.4
			moderately soft clayey oxides. Colour changes gradually	24.4	25.9	1.4
			from dark reddish brown at 63.1 to yellowish brown at 65.4 m.	25.9	26.5	0.5
			62.5 - 63.1 Fragments of massive sulphide and 6 cm limestone	26.5	27.4	0.6
			(Cave from above)	27.4	29.0	1.6
65.4	97.4	Limestone	Grey to blue-grey, moderately hard, blocky to sound, fine to	29.0	30.5	1.5
			coarse grained, massive limestone with buff, weakly sphaleritic	30.5	32.0	1.5
			intervals. Jointing commonly at 45°, 60° and 75°.	32.0	33.5	1.4
			65.4 - 72.2 Loose crystalline arsenopyrite coating core. This	33.5	35.1	0.1
			material likely washed out or caved from higher in hole.	35.1	36.6	0.9
			72.2 - 72.5 Limestone	36.6	38.1	0.8
			72.5 - 75.5 30-40% buff blebs and bands	38.1	39.6	1.1
			75.5 - 78.2 10-15% buff blebs and bands	39.6	41.1	0.8
			78.2 - 81.0 Coarse grained limestone	41.1	42.6	1.5
			81.0 - 82.5 As above with minor buff intervals	42.6	44.2	1.2
			82.5 - 85.3 10% buffy grey, fine grained limestone	44.2	44.8	0.2
			85.3 - 90.8 Blue-grey, fine to very fine grained limestone with	44.8	46.0	0.6
			a trace to 1% very fine grained sulphides and 20-25%	46.0	47.2	1.1

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			buff intervals	47.2	48.8	0.3
			90.8 - 97.4 Medium to coarse grained limestone with a trace to 1%	48.8	50.3	0.5
			buff blebs and bands	50.3	51.8	0.6
97.4	112.3	Feldspar	Light grey to light to dark greenish gray, very soft to hard	51.8	53.3	0.1
		Porphyry	generally blocky to sound, very fine to medium grained feldspar	53.3	54.9	0
		Dike	porphyry with a trace of galena and pyrite as dissemination	54.9	56.4	1.0
			and joint coatings. Jointing predominantly at 70°, 10° and 20°.	56.4	57.9	1.2
			Contacts with limestone, above at 10° and below at 45°, are	57.9	59.4	1.2
			both sharp and partially welded.	59.4	60.0	0.4
			97.6 - 98.3 Light grey kaolite (?Shear Zone?)			
112.3	131.1	Limestone	Grey, moderately hard, sound, massive, coarse grained siliceous	60.0	60.6	0
			limestone with calcite healed joints and minor weakly sphaleritic	60.6	61.3	0.3
			intervals. Jointing commonly at 55° and 40°.	61.3	61.9	0.6
			118.9 - 119.3 20% dark brown sphaleritic bands	61.9	62.5	0.2
			122.8 - 123.1 Trace of buff bands	62.5	63.1	0.4
131.1			END OF HOLE	63.1	64.0	0.7
				64.0	64.6	0.2
				64.6	66.1	0.6
				66.1	67.1	1.0
				67.1	68.0	0.1
				68.0	69.5	0.1
				69.5	70.7	0.7
				70.7	71.6	0.3
				71.6	71.9	0
				71.9	96.0	0
				96.0	97.5	0.1
				97.5	99.1	0.1
				99.1	131.1	0

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10,032 mN
10,017 mE
Elev. 1463 mE

Length 76.5 m
Azimuth 068°

Project Lustdust Property
Location: 50 m North of Trench

Hole No. DDH91-7
Date Sept. 27/91
Logged by: J. Rotzien

Core size NQ

Dip -45°

Purpose: Test strike extension to north

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.9		Datum to ground			
0.9	1.8	Limestone	Casing			
1.8	7.4	Limestone	Light to dark grey, moderately hard, rubbly to sound,	1.8	3.0	0
			massive, fine to coarse grained limestone with buff to	3.0	4.6	0.1
			brown sphaleritic bands and blebs and 3-5% arsenopyrite	4.6	6.1	0
			to 4.6 m. Jointing is commonly oriented at 10°, 50° and 70°.	6.1	7.6	0.1
			2.1 - 3.2 Dark brown blebs	7.6	9.1	0.1
			3.9 - 7.4 Dark brown to buff blebs and bands with a 30°	9.1	10.7	0
			joint filled with rusty clay at 7.0 m.	10.7	11.6	0
7.4	22.7	Limestone	Medium to dark grey, moderately hard, sound with rubbly	11.6	12.5	0.1
			intervals, massive, fine to coarse grained limestone with	12.5	13.4	0.2
			sparse buff to brown blebs and bands. Jointing predominantly	13.4	15.2	0.1
			oriented at 70° with less intense sets at 0° and 30°. 30°	15.2	16.8	0.2
			joints commonly have rusty clay coatings.	16.8	18.3	0
			17.8 - 18.0 Dark brown sphaleritic veinlets	18.3	19.5	0.4
			19.6 - 3 cm yellowish brown clay on 70° joint	19.5	20.7	0.3
			19.7 - 1.5 cm yellowish brown clay on 40° joint	20.7	22.2	0.6
			19.9 - Trace yellowish brown clay on 30° joint	22.2	23.5	0.8

Hole No. DDH91-7

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			20.6 - 0.5 cm yellowish brown clay on 40° joint	23.5	24.4	0.6
			21.0 - 0.5 cm yellowish brown clay on 70° joint	24.4	25.9	1.3
			21.1 - 3 cm yellowish brown clay on 70° joint	25.9	27.1	0.8
			22.1 - 0.5 cm yellowish brown clay on 10° joint	27.1	28.3	0.3
			22.4 - 22.7 Rusty brown clay on abundant joints	28.3	29.6	0.9
22.7	48.8	Oxidized Zone	Light yellow to dark brown, very soft to moderately	29.6	30.5	0.5
			soft, rubbly, clayey to gravelly oxidized material	30.5	31.1	0.4
			with some zones of limestone as detailed below.	31.1	32.3	1.2
			Very high core loss due to softness and high degree	32.3	33.5	0.9
			of fracturing in harder intervals. All core loss	33.5	34.7	1.1
			attributed to oxides.	34.7	35.4	0.5
			22.7 - 23.8 Oxides: No recovery	35.4	36.5	0.6
			23.8 - 24.4 Limestone	36.5	38.1	1.1
			24.4 - 25.7 Brown oxides: No recovery	38.1	39.6	1.5
			25.7 - 25.9 Limestone	39.6	41.1	1.5
			25.9 - 27.0 0.2' light brown oxides recovered	41.1	41.8	0.2
			27.0 - 27.1 Limestone	41.8	42.7	0.4
			27.1 - 27.6 Light, yellow to reddish brown clay	42.7	43.3	0.5
			27.6 - 27.9 Sphaleritic limestone	43.3	43.9	0.5
			27.9 - 31.1 Orange brown silty oxides	43.9	44.5	0.5
			31.1 - 32.3 Silt? No recovery	44.5	45.7	0.8
			32.3 - 48.8 Dark brown to black sandy to gravelly oxides	45.7	46.3	0.5
			with orange brown clay from 43.3 m to 43.9 m	46.3	46.9	0
48.8	54.6	Oxidized Chlorite Schist	Rusty orange to reddish brown to greenish grey, very soft	46.9	47.5	0.3
			to moderately soft, foliated, highly oxidized	47.56	48.2	0.2
			chlorite schist with small (1-2 cm) intervals of rusty	48.2	48.8	0.6
			orange clay and dark brown sphalerite.	48.8	49.4	0.4

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
54.6	59.4	Oxidized Zone	Yellowish brown to black, very soft to moderately hard, rubbly, clayey to sandy oxidized material with more sound dark brown partially oxidized sulphides from 54.9 m to 55.8 m.	49.4	50.0	0.6
				50.0	50.6	0.5
				50.6	51.8	0.2
				51.8	52.4	0.3
59.4	64.0	Feldspar Porphyry Dike	Olive green to yellowish green to pale cream, very fine to medium grained partially oxidized felsite/ feldspar prophyry dike with light yellow very soft clay from 60.0 m - 60.9 m.	52.4	53.0	0.5
				53.0	53.6	0.3
				53.6	54.9	0.7
				54.9	55.5	0.3
64.0	76.5	Limestone	Grey, moderately hard, blocky to rubbly, vuggy, massive limestone breccia rehealed with limestone and containing 5-10% buff to brown sphaleritic blebs throughout. Jointing is predominantly oriented at 70° and 55°.	55.5	56.7	0.8
				56.7	57.9	0.4
				57.9	58.5	0.3
				58.5	59.4	0.8
				59.4	60.0	0
76.5			END OF HOLE	60.0	61.6	0
				61.6	62.5	0.3
				62.5	64.0	0.9
				64.0	65.5	0.2
				65.5	66.8	0.2
				66.8	67.0	0.2
				67.0	68.6	0.2
				68.6	76.5	0

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10032mN
10017mE
Elev. 1463 m

Length 85.3 m
Azimuth 068°

Project Lustdust Property
Location: 50 metres northwest Trench

Hole No. DDH91-8
Date Oct. 1/91
Logged by: J. Rotzien

Core size NQ

Dip -85°

Purpose: Test downdip extension of oxides in DDH 91-7.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.6		Datum to ground			
0.6	1.5	Limestone	Casing			
1.5	15.7	Limestone	Mottled grey, moderately hard, rubbly to blocky, vuggy,	1.5	3.0	0
			medium to coarse grained rehealed limestone breccia	3.0	4.6	0
			with 5-10% dark brown to reddish brown bands and blebs.	4.6	6.1	0.4
			Jointing predominantly at 60°-70° and 25°.	6.1	6.4	0
15.7	38.4	Limestone	Light grey, moderately hard, sound with rubbly intervals,	6.4	7.3	0
			massive, coarse to fine grained rehealed limestone breccia	7.3	8.2	0
			with 1-3% dark brown blebs. Below 25.6 m core is more	8.2	9.1	0.3
			intensely fractured with numerous minor joint coatings of	9.1	10.0	0.4
			rusty clay below 27.4 m. Joint frequency is high with no	10.0	14.3	0
			apparent preferred orientation.	14.3	15.2	0.2
38.4	45.6	Oxidized Zone	Yellowish brown to dark reddish brown with grey brown intervals,	15.2	18.3	0
			very soft clayey oxides with limestone intervals.	18.3	18.9	0.1
			38.4 - 39.6 Grey brown to grey clay with limestone fragments.	18.9	21.3	0
			39.6 - 41.5 Reddish brown clayey oxides	21.3	22.6	0.2
			41.5 - 42.7 Dark brown to black to yellow matrix with reddish	22.6	28.0	0
			brown fragments	28.0	28.7	0.4

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			42.7 - 44.0 Grey limestone with rusty clay oxides along joints at 10° and 60°	28.7	29.3	0.4
				29.3	30.5	0
			44.0 - 45.6 As in 41.5 - 42.7	30.5	31.7	0.2
45.6	55.0	Limestone	Grey, moderately hard, blocky, massive, medium to coarse grained limestone with a trace of sphalerite and numerous intervals of oxidized clay. Jointing is predominantly oriented at 60°-70°, 45° and 10°	31.7	32.9	0.3
				32.9	33.5	0
				33.5	34.4	0.1
				34.4	35.7	0.3
			45.6 - 46.9 Grey limestone with rusty sand oxides along one 10° joint	35.7	36.6	0.7
				36.6	37.5	0.7
			46.9 - 47.2 Brown to yellow brown silty oxides	37.5	38.4	0.7
			47.2 - 48.8 Limestone with orange brown sandy oxides on a 60° joint	38.4	39.6	0.4
				39.6	40.2	0.1
			48.8 - 49.4 Grey, yellowish brown and reddish brown clayey oxides	40.2	41.4	0.1
				41.4	42.6	0
			49.4 - 50.2 Grey limestone	42.6	43.6	0.3
			50.2 - 50.3 Grey brown to black clayey oxides	43.6	44.2	0
			50.3 - 55.0 Grey limestone with reddish brown oxides on numerous joints	44.2	44.8	0.2
				44.8	45.7	0.1
55.0	64.6	Oxidized Zone	Yellowish brown grading through orange brown to dark reddish brown (twice), very soft to moderately hard, clayey oxides with intervals of dark reddish brown to black, partially oxidized material	45.7	46.9	0.1
				46.9	47.8	0
				47.8	48.7	0.3
				48.7	49.1	0.2
			55.0 - 56.1 Yellowish brown clayey oxides	49.1	50.3	0.4
			56.1 - 56.4 Banded pale yellow to greenish grey to orange brown oxides in a shear(?) zone. Banding oriented at 45°	50.3	50.9	0.1
				50.9	51.8	0
				51.8	52.1	0

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			56.4 - 57.9 Yellowish brown to reddish brown, soft, clayey oxides with 12 cm moderately hard, vuggy, dark reddish brown partially oxidized sulphides	52.1	52.7	0.1
				52.7	53.3	0
				53.3	53.6	0
			57.9 - 59.1 NO CORE RECOVERY - Loose Sandy Material	53.6	54.2	0.4
			59.1 - 61.1 Dark reddish brown to black, moderately hard sulphides (arsenopyrite?) with minor oxidized intervals	54.2	54.9	0.2
				54.9	56.1	0.4
				56.1	57.3	0.4
			61.1 - 63.1 Yellowish brown grading to reddish brown, soft clayey oxides	57.3	57.9	0.4
				57.9	58.5	0.6
			63.1 - 64.6 Yellowish brown to grey brown clayey oxides	58.5	59.1	0.6
64.6	85.3	Limestone	Medium to light grey, moderately hard, rubbly to sound, massive, fine to coarse grained rehealed limestone breccia. From 64.6 m to 75.3 m the core is virtually all rubbly due largely to a number of joints sub-parallel to the core axis with other joints at 30°, 45°, 60° and 70°. All joints are rust stained and contain traces of rusty silt. From 75.3 m to 85.3 m the core is generally sound with much less intense jointing and only minor rust staining. At 85.3 m a 10° joint contains 0.3 cm of rusty silt.	59.1	59.7	0.3
				59.7	60.4	0.2
				60.4	61.0	0.3
				61.0	62.2	0.5
				62.2	63.1	0.3
				63.1	64.0	0.8
				64.0	64.6	0.4
				64.6	65.5	0
				65.5	66.4	0.3
				66.4	67.7	0.3
				67.7	68.6	0.1
				68.6	69.8	0.6
				69.8	78.0	0
				78.0	78.6	0.1
				78.6	85.3	0
85.3			END OF HOLE			

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10034mN
10025mE
Elev. 1462 m

Length 96.9 m
Azimuth 030°

Project Lustdust Property
Location: ≈ 40 m due N of DDH 91-6

Hole No. DDH91-9
Date Oct. 3/91
Logged by: J. Rotzien

Core size NQ

Dip -45°

Purpose: Test intersection of gulley fault and ore zone.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.8		Datum to ground			
0.8	2.4	Fill	Casing			
2.4	2.6	Fill				
2.6	37.5	Limestone	Light to medium grey, moderately hard, blocky to	2.6	21.3	0
			sound with rubbly intervals, faintly bedded, fine	21.3	22.6	0.5
			to coarse grained limestone with a trace to 1%	22.6	24.1	0
			of bull to grey brown, sphaleritic beds increasing in	24.1	24.4	0
			frequency and thickness from 16.4 m to 27.6 m. From	24.4	25.3	0.5
			27.6 m to 32.8 m the limestone is all buff coloured.	25.3	26.2	0.7
			Bedding orientation increases from 45° at top of unit	26.2	26.8	0.2
			to 60° at bottom. Contact with unit below is broken	26.8	27.4	0
			and gradational. Jointing predominantly oriented at	27.4	29.0	0.5
			70°, 45° and 15°.	29.0	30.5	0
			21.9 - 22.4 Rusty brown clay oxide	30.5	32.0	0
			24.4 - 26.2 1.2 m core loss likely represented by 12 cm	32.0	33.2	0.3
			of light rusty to dark brown clay for total oxide	33.2	33.8	0
			length of 1.3 m	33.8	35.3	0.1
			34.9 - 35.4 Dark buff to orange brown silty oxides	35.3	36.5	0.4

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
37.5	48.9	Interlayered Chlorite Schist and Limey Argillite	Greenish grey, soft, blocky, fine grained chlorite schist interlayered with light grey to black, moderately soft, blocky, very fine grained limey argillite with blebs and bands of massive sulphides (arsenopyrite). Banding and/or foliation are oriented at 40° to 65°. Jointing is predominantly along the foliation and/or bedding with two other dominant sets at 10° and 45° 37.5 - 37.8 Limestone and chlorite schist with sphalerite and a trace of sulphides 37.8 - 39.3 Chlorite schist with fragments of limestone and 10 cm green chloritic clay gouge at 38.4 m 39.3 - 39.9 Limey argillite breccia with 10-15% chlorite schist 39.9 - 41.3 As in 37.8 - 39.3 with bands of limey argillite and 3 cm chloritic clay at 40.5 m 41.3 - 43.9 Limey argillite breccia with chloritic intervals, 0-5% sphalerite and extemely fine grained sulphides 43.9 - 48.9 Thinly interlayered chlorite schist and limey argillite with up to 5% sphalerite and a trace of arsenopyrite	36.5 37.5 38.4 39.6 40.5 41.8 43.3 44.8 45.7 47.2 48.8 50.3 51.2 52.7 54.2 55.8 56.4 57.9 59.1 68.9 70.1 71.6	37.5 38.4 39.6 40.5 41.8 43.3 44.8 45.7 47.2 48.8 50.3 51.2 52.7 54.2 55.8 56.4 57.9 59.1 68.9 70.1 71.6 73.2	0.2 0.1 0 0 0 0 0.4 0 0 0.6 0 0 0.2 0 0.2 0 0.1 0.5 0 0.1 0 0
48.9	55.8	Limey Argillite	Black to mottled grey, moderately soft, blocky to rubbly bedded, fine grained to very fine grained limey argillite with intervals of chloritic schist and of rehealed limey argillite breccia. Sulphide content ranging from a high of 30-40% to a low of 10% consists primarily of arsenopyrite.	73.2 74.1	74.1 96.9	0.2 0

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			Sulphides are extremely fine and may constitute a large portion of the argillite. Some blebs and bands are so fine that they can be identified only by scratch. 48.9 - 0.9 cm rusty brown to greenish brown chloritic clay 52.7 - 3 cm greenish grey clay 54.5 - 55.8 Rusty, very soft, friable chlorite schist			
55.8	60.0	Massive Sulphides	Black, moderately hard, very fine grained massive sulphides consisting primarily of arsenopyrite			
60.0	62.2	Chlorite Schist and Limey Argillite	Grey green to dark grey, soft to moderately hard finely interlayered chlorite schist and limey argillite with 6 cm blue grey to green grey clay at 61.0 m			
62.2	71.0	Chloritized Limey Argillite Breccia and Felsite Dike	Greenish grey to grey, moderately hard to moderately soft, sound, rehealed chlorite breccia incorporating fine to very coarse fragments of argillite and limestone with sulphides ranging from 10-15% to 35-40%. Foliation orientation decreass from 70° at top of unit to 35° at bottom. Jointing is predominantly parallel to foliation and at 0° 62.2 - 67.5 Greenish grey, chloritized feldspar porphyry with limey and argillitic layers and 10-15% sulphides 67.5 - 69.0 As above with up to 30-40% sulphides 69.0 - 70.4 Feldspar porphyry 70.4 - 71.0 Argillic/carbonaceous (?) limestone with minor bands of feldspar porphyry			
71.0	72.2	Fault	Light grey to grey green, very soft, blocky, very fine grained (kaolinitized) matrix with grey green angular fragments of feldspar porphyry and up to 5-10% sulphides			

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
72.2	77.1	Intermixed Quartz Feldspar Porphyry and Argillaceous Limestone	Grey green to grey to rusty orange, moderately hard, blocky coarse grained quartz feldspar porphyry and light grey to black, moderately soft to moderately hard, blocky argillaceous/ carbonaceous limestone. Joints are predominantly oriented at 20° and at 40° to 50° parallel to the foliation. 72.2 - 73.2 Argillaceous limestone with quartz feldspar porphyry and 15-20% sulphides 73.2 - 76.5 Finely intermixed quartz feldspar porphyry and argillaceous limestone with up to 40% sulphides in the limestone 76.5 - 77.1 Quartz feldspar porphyry with 3-5% sulphides			
77.1	96.9	Limestone	Blue grey, moderately hard, sound to blocky, massive, coarse grained limestone with minor buff bands and blebs that may be weakly sphaleritic. Jointing is predominantly oriented at 20°-30° and 45°-50°. Faint banding from 253' - 259' indicates bedding (?) at 50°			
96.9			END OF HOLE			

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 9,998 mN
10000E
Elev. 1463 m

Length 55.9 m
Azimuth 244°

Project Lustdust Property
Location: 10 metres south of Trench

Hole No. DDH91-10
Date Sept. 4/91
Logged by: J. Rotzien

Core size NQ

Dip -70°

Purpose: Test for location and dip of footwall.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.6		Datum to ground.			
0.6	3.6	Limestone	Casing.			
3.6	22.2	Limestone	Grey, moderately hard, blocky to sound, vuggy, coarse grained rehealed limestone breccia with calcite veinlets up to 0.6 cm thick and rusty joints at 15°, 45° and 70°.	3.6	16.8	0
				16.8	18.3	0.3
				18.3	19.8	0.2
				19.8	21.3	0.7
			11.1 - Joint at 0° with 0.6 cm brown sandy silt.	21.3	22.9	0.9
			15.7 - Joint at 60° with 2.5 cm brown sandy silt.	22.9	23.8	0.5
			18.2 - Joint at 60° with 2.5 cm brown sandy silt.	23.8	24.1	0
22.2	26.1	Oxidized Zone	Rusty orange to dark brown, soft to very soft, clayey oxides with banding at 20° to 30°.	24.1	25.0	0.5
				25.0	25.9	0.2
				25.9	26.8	0.4
				26.8	27.4	0.1
26.1	34.4	Limestone	Grey, moderately hard, rubbly to sound, vuggy, coarse grained, rehealed limestone breccia with traces of sphalerite and rusty joints.	27.4	29.0	1.4
				29.0	29.6	0.5
				29.6	29.9	0
			29.1 - 30.3 Large core loss in light rusty brown clayey oxides.	29.9	30.5	0.5
			30.5 - 30.6 Light rusty brown clayey oxides.	30.5	31.4	0.1

Hole No. DDH91-10

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
34.4	39.5	Oxidized Zone	Black to reddish brown to light rusty brown, soft to very soft, silty to clayey oxides with limestone intervals as listed below.	31.4	32.0	0
				32.0	33.2	0.8
				33.2	34.1	0.8
			34.4 - 35.0 Large core loss in light yellowish brown clayey oxides.	34.1	35.1	0.6
			35.0 - 36.3 Dark reddish brown to black clayey oxides.	35.1	36.3	0.2
			36.3 - 36.7 Light yellowish brown to rusty brown silty oxides.	36.3	36.9	0
			36.7 - 37.8 Limestone.	36.9	37.8	0.5
			37.8 - 39.0 Light yellowish brown clayey oxides.	37.8	38.4	0
			39.0 - 39.3 Limestone	38.4	38.7	0.2
			39.3 - 39.5 Light yellowish brown silty oxides.	38.7	39.3	0.3
				39.3	39.6	0
				39.6	39.9	0.3
				39.9	40.2	0.3
39.5	43.7	Limestone	Grey, moderately hard, rubbly to blocky, vuggy, coarse grained, rehealed limestone breccia with buff blebs and bands and rusty joints. Large core losses likely due to presence of oxides.	40.2	40.8	0
				40.8	41.4	0
				41.4	42.1	0
				42.1	42.7	0.4
				42.7	43.3	0.4
			43.1 - 43.3 Rusty brown clayey oxides.	43.3	43.9	0
				43.9	44.2	0.2
43.7	47.2	Oxidized Zone	Rusty brown to reddish brown, very soft, clayey oxides with intervals of limestone.	44.2	44.8	0.3
				44.8	45.1	0
				45.1	45.7	0.6
			45.1 - 46.0 No Recovery - likely oxides.	45.7	46.0	0.3
			46.2 - 46.6 Limestone.	46.0	46.3	0.2
			46.8 - 47.1 Limestone.	46.3	46.6	0.2
				46.6	47.2	0.3

Hole No. DDH91-10

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
47.2	55.9	Limestone	Grey, moderately hard, rubbly to sound, coarse grained rehealed limestone breccia with rusty joints and minor seams of rusty clay. Jointing predominantly oriented at 15°, 60° and 80°. Most of core loss due to broken limestone and rod vibration. 52.9 - 53.2 Soft rusty clay. 54.8 - 6 cm Soft rusty clay. 55.6 - 55.9 Soft rusty clay.	47.2	48.8	0.2
				48.8	50.3	0
				50.3	51.2	0.1
				51.2	52.7	0
				52.7	53.3	0.3
				53.3	54.6	0.1
				54.6	54.9	0.1
				54.9	55.5	0.4
				55.5	55.9	0.2
55.9			END OF HOLE.			

NOTE: 1) At 55.9 m bit worn out and excessive rod vibration and casing at 27.4 m. Hole stopped.
2) All measurements in metres unless otherwise noted.
3) All angles measured with respect to core axis.

ALPHA GOLD CORP

DRILL RECORD - DOLMAGE CAMPBELL LTD.

Coord. 10036mN
10017mE
Elev. 1463 m

Length 83.8 m
Azimuth 330°

Project Lustdust Property
Location: 50 m north of Trench

Hole No. DDH91-11
Date Oct. 9/91
Logged by: J. Rotzien

Core size NQ

Dip -45°

Purpose: Test gulley fault.

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
0	0.8		Datum to ground			
0.8	1.2	Limestone	Casing			
1.2	41.1	Limestone	Grey, moderately hard, sound to blocky, fine to coarse	1.2	3.0	0
			grained stylolitic rehealed limestone breccia with	3.0	5.2	0
			argillaceous intervals and zones of buff to brown	5.2	6.1	0.1
			sphaleritic limestone. The brecciation has been rehealed with	6.1	12.2	0
			calcitic and argillaceous material. Banding in intervals	12.2	13.4	0.2
			with sphaleritic limestone at 30°. Jointing is predominantly	13.4	14.9	0
			oriented at 25° and 75°	14.9	15.8	0.8
			5.2 - 6 cm rusty clay	15.8	16.8	0.7
			5.8 - 3 cm rusty clay	16.8	17.4	0.4
			8.5 - 8.8 1-3% buff to rusty blebs	17.4	18.3	0.5
			10.7 - 14.9 1-3% buff to rusty blebs	18.3	18.9	0.3
			14.9 - 19.5 Dark grey to black to rusty, rubbly argillaceous	18.9	19.5	0.2
			limestone with foliation at 0° at 18.3 m.	19.5	20.4	0.2
			Possible fault gouge	20.4	21.9	0.8
			19.5 - 20.4 Carbonaceous limestone	21.9	23.5	0.1
			20.4 - 22.1 Limestone with thin bands of chlorite schist	23.5	25.0	0

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
			22.1 - 23.8 Black to grey siliceous limestone with 6 cm light orange rusty clay	25.0	26.5	0
				26.5	27.1	0
			23.8 - 27.2 Limestone	27.1	27.7	0
			27.2 - 28.0 Vuggy, rubbly to blocky limestone with 0.3 m of buff limestone	27.7	28.6	0.4
				28.6	30.2	0
			28.0 - 30.3 Black, blocky, siliceous limestone with numerous calcite veinlets	30.2	31.4	0
				31.4	32.3	0.4
			30.3 - 38.4 Blocky to rubbly limestone with minor argillaceous and siliceous intervals	32.3	33.5	1.1
				33.5	34.1	0.6
			38.4 - 41.1 Black, blocky siliceous limestone with numerous calcite veinlets	34.1	35.1	0.8
				35.1	36.0	0.2
41.1	45.7	Chlorite Schist	Greyish green, soft, rubbly to blocky, vuggy, foliated fine grained rusty chlorite schist with foliation at 30°	36.0	36.6	0
				36.6	37.1	0.2
			42.7 2.5 cm light yellowish grey clay - Fault (?)	37.1	38.1	0.4
45.7	48.3	Oxidized Zone	Light yellowish brown to dark reddish brown, very soft to soft clayey to silty oxides with fine gravel sized fragments of limestone	38.1	39.0	0.2
				39.0	40.5	0
				40.5	41.1	0.3
48.3	66.8	Limestone	Grey, moderately hard, rubbly with blocky intervals, massive, fine to medium grained, vuggy, limestone with minor intervals of 1-3% blebs of sphaleritic limestone. Joints predominantly oriented at 0°-15° and 75° are all rusty	41.1	42.1	0.8
				42.1	42.7	0.6
				42.7	43.6	0.8
				43.6	44.2	0.4
				44.2	44.8	0.2
66.8	83.8	No Core	CORE LEFT AT DRILL SITE - NOT LOGGED OR SAMPLED - DRILLERS SAY LIMESTONE	44.8	45.7	0.7
				45.7	46.6	0.7
				46.6	47.2	0.1
				47.2	47.8	0.3

Depth From (m)	Depth To (m)	Rock Type	Description	Core Loss From (m)	Core Loss To (m)	Core Loss Lost (m)
				47.8	48.8	0.4
				48.8	49.4	0.1
				49.4	50.6	0.8
				50.6	52.1	0
				52.1	52.7	0.4
				52.7	54.2	0
				54.2	54.9	0.3
				54.9	55.4	0.1
				55.4	56.1	0.2
				56.1	57.9	0
				57.9	58.5	0.3
				58.5	59.4	0.3
				59.4	61.6	0
				61.6	62.8	0.2
				62.8	64.0	0
				64.0	65.2	0.4
				65.2	66.8	0

Appendix III

SUMMARY OF DIAMOND DRILL CORE SAMPLES

ALPHA GOLD CORPORATION

LUSTDUST PROPERTY

SUMMARY OF DIAMOND DRILL CORE SAMPLES

SAMPLE NO.	DRILL HOLE	FROM (m)	TO (m)	LENGTH (m)	DESCRIPTION	ASSAY RESULTS Au (g/t)	Ag (g/t)	Zn (%)	Sb (%)	ICP COMPLETED (y or n)
133651	DDH91-1	19.8	21.3	1.5	Shear Zone	0.14	1.03	N/A	N/A	n
133652	DDH91-1	21.3	22.9	1.5	Chlorite Schist	<0.07	1.03	N/A	N/A	n
133653	DDH91-1	22.9	24.4	1.5	Chlorite Schist	<0.07	1.03	N/A	N/A	n
133654	DDH91-1	24.4	25.9	1.5	Chlorite Schist	<0.07	<0.7	N/A	N/A	n
133655	DDH91-1	25.9	29.0	3.0	Chlorite Schist	<0.07	<0.7	N/A	N/A	n
133656	DDH91-1	29.0	30.5	1.5	Chlorite Schist	<0.07	<0.7	N/A	N/A	n
133657	DDH91-1	30.5	32.0	1.5	Limestone	<0.07	<0.7	N/A	N/A	n
133658	DDH91-1	32.0	35.2	3.2	Limestone	<0.07	<0.7	N/A	N/A	n
133659	DDH91-1	35.2	36.4	1.2	Limestone	<0.07	<0.7	N/A	N/A	n
133660	DDH91-1	36.4	38.2	1.8	Oxide zone(10cm Ls N/S)	<0.07	5.14	N/A	N/A	n
133661	DDH91-1	38.2	41.9	3.7	Yellow brown oxide	<0.07	4.46	2.55	N/A	n
133662	DDH91-1	41.9	44.2	2.3	Yell. brn. to ornge oxide	<0.07	4.80	15.31	N/A	n
133663	DDH91-1	44.2	45.7	1.5	Ornge to ornge brn oxide	<0.07	3.43	8.01	N/A	n
133664	DDH91-1	45.7	47.2	1.5	Yellow brown oxide	<0.07	5.83	14.40	N/A	n
133665	DDH91-1	47.2	48.8	1.5	Yellow brown oxide	<0.07	4.46	11.54	N/A	n
133666	DDH91-1	48.8	50.4	1.6	Yellow brown oxide	<0.07	8.23	21.17	N/A	n
133667	DDH91-1	50.4	51.8	1.4	Ornge to dk. brn oxide	<0.07	5.49	10.08	N/A	n
133668	DDH91-1	51.8	53.3	1.5	Ornge to dk. brn oxide	<0.07	19.54	6.14	N/A	n
133669	DDH91-1	53.3	54.6	1.2	Yell. oxide w/ black sand	<0.07	11.31	10.76	N/A	n
133670	DDH91-1	54.6	56.2	1.7	Yell. oxide w/ black sand	<0.07	8.57	18.92	N/A	n
133671	DDH91-1	56.2	57.9	1.7	As above (5 cm Ls N/S)	<0.07	6.17	9.46	N/A	n
133672	DDH91-1	57.9	59.4	1.5	Yell. to ornge oxide w/Ls	<0.07	5.49	8.26	N/A	n
133673	DDH91-1	59.4	61.1	1.7	Ornge to dk brn oxide	<0.07	16.11	6.38	N/A	n
133674	DDH91-1	61.1	61.6	0.5	Ornge to dk brn oxide	<0.07	6.17	22.76	N/A	n
133675	DDH91-1	61.6	63.7	2.1	Vuggy limestone	<0.07	0.69	0.04	N/A	n
133676	DDH91-2	51.7	54.3	2.6	Rusty brn ox.(8cm Ls N/S)	<0.07	4.46	4.21	N/A	n
133677	DDH91-2	54.3	55.6	1.4	Rusty brown oxide	<0.07	4.46	3.16	N/A	n
133678	DDH91-2	55.6	57.5	1.8	Ornge brown oxide	<0.07	7.20	3.66	N/A	n
133679	DDH91-2	57.5	59.1	1.7	Ornge brown oxide	<0.07	6.17	3.40	N/A	n
133680	DDH91-2	59.1	60.4	1.2	Dk.red brown oxide	0.14	9.94	2.33	N/A	n
133681	DDH91-2	60.4	61.6	1.2	Yell. to ornge brn. oxide	<0.07	2.06	0.55	N/A	n
133682	DDH91-2	61.6	63.0	1.4	Ornge to dk red brn oxide	1.30	11.66	1.80	N/A	n
133683	DDH91-2	63.0	64.9	1.9	Dk brn oxide(12cm.sulph.)	5.59	15.09	0.47	N/A	n
133684	DDH91-2	64.9	66.4	1.6	Dk brown to black oxide	6.14	27.43	0.35	N/A	n
133685	DDH91-2	66.4	68.3	1.8	Dk red brown sandy oxide	2.33	12.69	2.35	N/A	n
133686	DDH91-2	68.3	71.6	3.4	Dk to ornge brown oxide	0.82	10.29	3.88	N/A	n
133687	DDH91-2	71.6	73.5	1.8	Dark brown oxide	3.33	110.74	1.83	N/A	n
133688	DDH91-2	73.5	76.5	3.0	Dk to ornge brown oxide	22.18	57.94	1.45	N/A	n
133689	DDH91-2	76.5	79.6	3.0	Dk brown to black oxide	1.78	17.49	2.69	N/A	n
133690	DDH91-2	79.6	80.2	0.6	Limestone	<0.07	1.03	0.10	N/A	n
133695	DDH91-3	39.9	43.0	3.0	Yell. to ornge brn oxide	<0.07	7.20	2.65	N/A	n
133696	DDH91-3	43.0	44.3	1.4	Orange brown oxide	<0.07	12.69	3.58	N/A	n
133697	DDH91-3	44.8	46.3	1.5	Ornge brn ox.(5cm Ls N/S)	<0.07	14.06	4.16	N/A	n
133698	DDH91-3	46.3	47.9	1.5	Ornge to red brown oxide	<0.07	22.29	5.00	N/A	y
133699	DDH91-4	7.9	12.6	4.7	Chlorite schist	<0.07	1.03	0.09	N/A	n

ALPHA GOLD CORPORATION

LUSIDUST PROPERTY

SUMMARY OF DIAMOND DRILL CORE SAMPLES

SAMPLE NO.	DRILL HOLE	FROM (m)	TO (m)	LENGTH (m)	DESCRIPTION	ASSAY RESULTS Au (g/t)	Ag (g/t)	Zn (%)	Sb (%)	ICP COMPLETED (y or n)
133700	DDH91-4	12.6	16.9	4.3	Limestone	<0.07	1.03	0.20	N/A	n
133501	DDH91-4	16.9	24.1	7.2	Chl.schist & limestone	<0.07	6.51	0.03	N/A	n
133502	DDH91-4	34.3	34.7	0.5	Rusty silty oxide	<0.07	1.37	0.18	N/A	n
133503	DDH91-4	37.3	39.2	1.8	Orngе to red brown oxide	<0.07	25.71	3.21	N/A	y
133504	DDH91-4	41.1	42.7	1.5	Yellow brown oxide	0.17	12.00	13.31	N/A	n
133505	DDH91-4	42.7	45.1	2.4	Red brown oxide	2.50	26.74	3.24	N/A	n
133506	DDH91-4	45.1	46.6	1.5	Yell. to ornge brn oxide	2.16	17.83	1.99	N/A	n
133507	DDH91-4	46.6	49.1	2.4	Red brown oxide	8.91	25.71	1.01	0.09	y
133508	DDH91-4	49.1	50.0	0.9	Yellredbrn ox. w/yell grn	6.03	16.46	0.24	0.07	y
133509	DDH91-4	50.0	52.1	2.1	Dk red brown oxide	4.87	43.89	0.40	0.07	y
133510	DDH91-4	52.1	53.9	1.8	Yell-redbrn ox w/ sulph	7.89	43.89	0.37	N/A	n
133511	DDH91-4	53.9	56.4	2.4	Red brown oxide	3.12	25.03	1.02	0.06	y
133512	DDH91-4	56.4	58.7	2.3	Red-yell brn to blk oxide	0.69	18.17	2.41	0.11	y
133513	DDH91-5	10.7	12.2	1.5	Buff to brown oxide	0.34	4.46	1.18	N/A	n
133514	DDH91-5	67.5	69.0	1.5	Rusty oxide	0.24	33.26	3.73	N/A	n
133515	DDH91-5	86.0	89.8	3.7	Yellow to dk. brown oxide	0.45	19.20	9.01	N/A	n
133516	DDH91-5	104.2	106.7	2.4	Lt. brn oxide less 10% Ls	<0.07	4.80	3.88	N/A	n
133517	DDH91-5	106.7	109.0	2.3	Dk. brn oxide w/ sph. Ls.	<0.07	5.49	3.45	0.07	y
133518	DDH91-5	109.0	110.6	1.7	Cherty limestone	<0.07	<0.7	0.06	N/A	n
133519	DDH91-5	110.6	112.5	1.8	Cherty limestone	<0.07	<0.7	0.02	N/A	n
133520	DDH91-5	112.5	114.3	1.8	Cherty limestone	<0.07	<0.7	0.02	N/A	n
133521	DDH91-5	114.3	116.0	1.7	Cherty limestone	<0.07	<0.7	0.02	N/A	n
133522	DDH91-5	116.0	118.0	2.0	Argillaceous limestone	<0.07	<0.7	0.01	<0.01	y
133523	DDH91-5	118.0	119.9	2.0	Argillaceous limestone	<0.07	<0.7	0.02	<0.01	y
133524	DDH91-5	119.9	121.3	1.4	Cherty limestone w/ arg.	<0.07	<0.7	0.03	N/A	n
133525	DDH91-5	121.3	123.4	2.1	Cherty limestone	<0.07	<0.7	<0.01	N/A	n
133526	DDH91-5	123.4	125.2	1.8	Limey argillite	<0.07	0.69	0.01	N/A	n
133527	DDH91-5	125.2	126.2	0.9	Limey arg. &cherty ls.	<0.07	0.69	0.01	N/A	n
133528	DDH91-5	129.2	129.6	0.4	Limey shrd. graph. arg.	<0.07	<0.7	0.02	N/A	n
133529	DDH91-5	132.9	133.0	0.2	Limey shrd. graph. arg.	<0.07	<0.7	0.03	N/A	n
133530	DDH91-5	134.4	135.1	0.7	Argillaceous limestone	<0.07	<0.7	0.01	N/A	y
133531	DDH91-5	135.1	137.2	2.1	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133532	DDH91-5	137.2	139.3	2.1	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133533	DDH91-5	139.3	141.4	2.1	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133534	DDH91-5	141.4	143.6	2.1	Sphaleritic limestone	<0.07	<0.7	0.02	N/A	n
133535	DDH91-5	143.6	146.0	2.4	Sphaleritic limestone	<0.07	1.71	0.01	N/A	y
133536	DDH91-5	146.0	148.4	2.4	Sphaleritic limestone	<0.07	<0.7	0.01	N/A	n
133537	DDH91-5	152.1	154.9	2.8	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133538	DDH91-5	164.3	166.6	2.3	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133539	DDH91-5	166.6	168.9	2.3	Sphaleritic limestone	<0.07	<0.7	0.01	N/A	n
133540	DDH91-5	168.9	171.5	2.6	Sphaleritic limestone	<0.07	<0.7	0.02	N/A	y
133541	DDH91-5	171.5	173.2	1.8	Sphaleritic limestone	<0.07	<0.7	0.04	N/A	n
133542	DDH91-5	182.5	183.3	0.9	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133543	DDH91-6	4.9	8.1	3.2	Dk. brown oxides	7.30	61.71	0.78	0.09	n
133544	DDH91-6	8.1	11.3	3.2	Dk. brown oxides	4.94	42.86	1.18	0.10	n

ALPHA GOLD CORPORATION

LUSTDUST PROPERTY

SUMMARY OF DIAMOND DRILL CORE SAMPLES

SAMPLE NO.	DRILL HOLE	FROM (m)	TO (m)	LENGTH (m)	DESCRIPTION	ASSAY RESULTS Au (g/t)	Ag (g/t)	Zn (%)	Sb (%)	ICP COMPLETED (y or n)
133545	DDH91-6	14.3	18.4	4.1	Orange brown oxides	1.65	17.83	1.71	0.14	y
133546	DDH91-6	18.4	26.5	8.1	Dk. brown to black oxides	0.69	14.06	2.53	0.15	n
133547	DDH91-6	30.5	33.5	3.0	Yellow to dk. red oxides	1.51	6.86	2.53	0.44	n
133548	DDH91-6	33.5	36.6	3.0	Mixed oxides	0.24	10.29	2.11	0.17	n
133549	DDH91-6	36.6	39.6	3.0	Mixed oxides	0.10	8.91	2.84	0.04	n
133550	DDH91-6	39.6	42.7	3.0	Mixed oxides	<0.07	9.60	23.06	0.03	y
133551	DDH91-6	42.7	46.0	3.4	Mixed oxides	<0.07	5.49	4.02	0.07	n
133552	DDH91-6	46.0	49.4	3.4	Mixed oxides	0.17	8.23	5.86	0.29	n
133553	DDH91-6	49.4	52.4	3.0	Dk red brown oxides	0.69	25.71	2.91	0.83	y
133554	DDH91-6	52.4	54.9	2.4	Massive sphalerite	1.17	18.51	2.01	0.49	y
133554B	DDH91-6	54.9	57.2	2.3	Massive sphalerite w/ ox.	2.43	19.89	1.49	0.52	n
133555	DDH91-6	57.2	59.7	2.6	Massive sphalerite w/ ox.	3.74	11.66	0.32	0.14	y
133569	DDH91-6	59.7	61.3	1.5	Massive sulphides	5.83	6.51	0.15	0.11	n
133556	DDH91-6	61.3	63.1	1.8	Oxides less 8cm ls.	2.50	25.71	1.68	0.10	y
133570	DDH91-6	63.1	65.4	2.3	Oxides	0.17	6.51	14.86	0.08	n
133557	DDH91-6	65.4	67.7	2.3	Limestone w/ diss. Aspy	<0.07	<0.7	0.10	<0.01	n
133558	DDH91-6	67.7	69.5	1.8	Limestone w/ diss. Aspy	0.10	2.40	0.15	<0.01	n
133559	DDH91-6	69.5	72.2	2.7	Limestone w/ diss. Aspy	<0.07	<0.7	0.02	<0.01	n
133560	DDH91-6	72.2	74.2	2.0	Sphaleritic limestone	<0.07	<0.7	0.06	<0.01	n
133561	DDH91-6	74.2	75.6	1.4	Sphaleritic limestone	<0.07	<0.7	0.03	<0.01	n
133562	DDH91-6	75.6	78.2	2.6	Sphaleritic limestone	<0.07	<0.7	0.03	<0.01	n
133563	DDH91-6	78.2	81.1	2.9	Limestone w/ sparse sph.	<0.07	<0.7	0.02	<0.01	n
133564	DDH91-6	81.1	82.5	1.5	Limestone w/ sparse sph.	<0.07	<0.7	0.03	<0.01	n
133565	DDH91-6	82.5	85.3	2.8	Limestone w/ sparse sph.	<0.07	<0.7	0.02	<0.01	n
133566	DDH91-6	85.3	87.2	1.8	Limestone w/ sparse sph.	<0.07	<0.7	0.01	<0.01	n
133567	DDH91-6	87.2	89.0	1.8	Limestone w/ sparse sph.	<0.07	<0.7	0.02	<0.01	n
133568	DDH91-6	89.0	90.8	1.8	Limestone w/ sparse sph.	<0.07	<0.7	<0.01	<0.01	n
133571	DDH91-7	1.8	3.0	1.2	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133572	DDH91-7	3.0	4.6	1.5	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133573	DDH91-7	4.6	6.1	1.5	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133574	DDH91-7	6.1	7.4	1.3	Sphaleritic limestone	<0.07	<0.7	0.01	N/A	n
133576	DDH91-7	25.9	27.6	1.6	Yell. or. ox. less .5m ls	0.14	16.46	1.00	N/A	n
133577	DDH91-7	27.9	31.1	3.2	Orange oxides	0.14	7.54	7.34	N/A	n
133578	DDH91-7	32.3	39.6	7.3	Dk. brown to black oxides	1.82	29.83	2.88	N/A	n
133579	DDH91-7	41.1	45.7	4.6	Dk. red brown oxides	6.24	47.66	1.52	N/A	n
133580	DDH91-7	45.7	48.8	3.0	Dk. brown to black oxides	2.16	29.49	2.25	N/A	n
133575	DDH91-7	48.8	54.6	5.8	Oxidized chloritic schist	<0.07	2.06	2.34	N/A	n
133581	DDH91-7	54.6	59.4	4.9	Lt. yellow to black ox.	1.17	13.71	2.34	N/A	n
133582	DDH91-7	64.8	66.0	1.2	Grey br. to red br. ox.	<0.07	8.91	5.16	N/A	n
133583	DDH91-7	66.0	68.6	2.6	Sphaleritic vuggy ls.	<0.07	1.71	0.41	N/A	n
133584	DDH91-7	68.6	70.1	1.5	Sphaleritic vuggy ls.	<0.07	<0.7	0.03	N/A	n
133585	DDH91-7	70.1	71.6	1.5	Sphaleritic vuggy ls.	<0.07	<0.7	0.03	N/A	n
133586	DDH91-7	71.6	73.2	1.5	Sphaleritic vuggy ls.	<0.07	<0.7	0.03	N/A	n
133587	DDH91-7	73.2	74.7	1.5	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n
133588	DDH91-7	74.7	76.5	1.8	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n

ALPHA GOLD CORPORATION

LUSTDUST PROPERTY

SUMMARY OF DIAMOND DRILL CORE SAMPLES

SAMPLE NO.	DRILL HOLE	FROM (m)	TO (m)	LENGTH (m)	DESCRIPTION	ASSAY RESULTS Au (g/t)	Ag (g/t)	Zn (%)	Sb (%)	ICP COMPLETED (y or n)
133589	DDH91-8	1.5	4.0	2.4	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n
133590	DDH91-8	4.0	6.4	2.4	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n
133591	DDH91-8	6.4	8.8	2.4	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n
133592	DDH91-8	8.8	11.3	2.4	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n
133593	DDH91-8	11.3	13.7	2.4	Sphaleritic vuggy ls.	<0.07	<0.7	<0.01	N/A	n
133594	DDH91-8	13.7	15.7	2.0	Sphaleritic vuggy ls.	<0.07	<0.7	0.03	N/A	n
133595	DDH91-8	27.4	30.5	3.0	Limestone w/ ox. seams	<0.07	<0.7	0.08	N/A	n
133596	DDH91-8	30.5	33.5	3.0	Limestone w/ ox. seams	<0.07	<0.7	0.20	N/A	n
133597	DDH91-8	33.5	36.6	3.0	Limestone w/ ox. seams	<0.07	<0.7	0.09	N/A	n
133598	DDH91-8	36.6	38.4	1.8	Limestone w/ ox. seams	<0.07	<0.7	0.26	N/A	n
133599	DDH91-8	38.4	39.6	1.2	Grey-brown oxides	<0.07	6.17	4.04	N/A	n
133600	DDH91-8	39.6	41.5	1.8	Yell. to red brn. oxides	0.21	44.57	2.93	N/A	n
133601					NOT USED	NOT USED		NOT USED		
133602	DDH91-8	41.5	42.7	1.2	Dk. brown to black oxides	<0.07	34.63	5.11	N/A	n
133603	DDH91-8	42.7	44.0	1.4	Limestone w/ clay ox.	<0.07	2.06	0.93	N/A	n
133604	DDH91-8	44.0	45.6	1.5	Dk. brown to black oxides	<0.07	6.17	16.76	N/A	n
133605	DDH91-8	46.9	47.2	0.3	Brown to yellow silty ox.	<0.07	4.11	7.77	N/A	n
133606	DDH91-8	47.2	48.8	1.5	Limestone	<0.07	<0.7	0.09	N/A	n
133607	DDH91-8	48.8	49.4	0.6	Grey-yell.brn.-redbrn. ox	<0.07	5.49	21.22	N/A	n
133608	DDH91-8	49.4	52.1	2.7	Sphaleritic limestone	<0.07	<0.7	0.90	N/A	n
133609	DDH91-8	52.1	55.0	2.9	Limestone	<0.07	<0.7	0.05	N/A	n
133610	DDH91-8	55.0	56.4	1.4	Yellow brown clay oxides	<0.07	2.06	0.88	N/A	n
133611	DDH91-8	56.4	57.9	1.5	Yellow brown clay oxides	1.44	18.17	1.82	N/A	n
133612	DDH91-8	59.1	61.1	2.0	Dk. red brn. to black ox.	0.41	7.54	1.70	N/A	n
133613	DDH91-8	61.1	64.6	3.5	Yell. to red brn. oxides	<0.07	6.17	2.54	N/A	n
133614	DDH91-8	64.6	67.7	3.0	Yell-grbrn ox less 6cm ls	0.27	0.69	0.76	N/A	n
133615	DDH91-9	16.5	19.5	3.0	Sphaleritic limestone	<0.07	<0.7	0.04	N/A	n
133616	DDH91-9	19.5	22.6	3.0	Sphaleritic limestone	<0.07	<0.7	0.12	N/A	n
133617	DDH91-9	22.6	25.6	3.0	Sphaleritic limestone	<0.07	<0.7	0.10	N/A	n
133618	DDH91-9	25.6	28.7	3.0	Sphaleritic limestone	<0.07	<0.7	0.04	N/A	n
133619	DDH91-9	28.7	31.7	3.0	Sphaleritic limestone	<0.07	<0.7	<0.01	N/A	n
133620	DDH91-9	31.7	34.7	3.0	Sphaleritic limestone	<0.07	<0.7	0.01	N/A	n
133621	DDH91-9	34.7	37.5	2.7	Sphaleritic limestone	<0.07	<0.7	0.03	N/A	n
133622	DDH91-9	37.5	39.3	1.8	Sphaleritic chlor. schist	<0.07	<0.7	0.18	N/A	n
133623	DDH91-9	39.3	41.3	2.0	Limey argbx w/clay&sulph.	<0.07	<0.7	0.04	N/A	n
133624	DDH91-9	41.3	43.9	2.6	As above w/25-30% sulph.	<0.07	<0.7	<0.01	N/A	n
133625	DDH91-9	43.9	46.6	2.8	Chl.sch.&lim.arg.w/sulph.	<0.07	<0.7	<0.01	N/A	n
133626	DDH91-9	46.6	48.9	2.3	Chl.sch.&lim.arg.w/sulph.	<0.07	<0.7	<0.01	N/A	n
133627	DDH91-9	48.9	51.2	2.3	Lim. arg. w/30-40% sulph.	<0.07	<0.7	<0.01	N/A	n
133628	DDH91-9	51.2	53.5	2.3	Lim. arg. w/30-40% sulph.	<0.07	<0.7	<0.01	N/A	n
133629	DDH91-9	53.5	55.8	2.3	Lim. arg. w/30-40% sulph.	<0.07	<0.7	0.03	N/A	n
133630	DDH91-9	55.8	58.1	2.3	Massive sulphides	<0.07	<0.7	<0.01	N/A	n
133631	DDH91-9	58.1	60.0	2.0	Massive sulphides	<0.07	<0.7	<0.01	N/A	n
133632	DDH91-9	60.0	62.2	2.1	Chl.sch.&arg.w/tr.sulph.	<0.07	<0.7	<0.01	N/A	n
133633	DDH91-9	62.2	64.9	2.7	Lim. arg. w/10-15% sulph.	<0.07	<0.7	<0.01	N/A	n

ALPHA GOLD CORPORATION

LUSTDUST PROPERTY

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SAMPLE NO.	DRILL HOLE	FROM (m)	TO (m)	LENGTH (m)	DESCRIPTION	ASSAY RESULTS Au (g/t)	Ag (g/t)	Zn (%)	Sb (%)	ICP COMPLETED (y or n)
133634	DDH91-9	64.9	67.5	2.6	Lim. arg. w/10-15% sulph.	<0.07	<0.7	<0.01	N/A	n
133635	DDH91-9	67.5	69.0	1.5	Lim. arg. w/30-40% sulph.	<0.07	<0.7	<0.01	N/A	n
133636	DDH91-9	69.0	71.0	2.0	Q.F.P.& 0.6m arg.ls.	<0.07	<0.7	<0.01	N/A	n
133637	DDH91-9	71.0	72.2	1.2	Q.F.P.bx w/ tr. sulph.	<0.07	<0.7	<0.01	N/A	n
133638	DDH91-9	72.2	74.4	2.1	Q.F.P.&arg.ls.w/40% sulph	<0.07	1.03	0.04	N/A	n
133639	DDH91-9	74.4	76.5	2.1	Q.F.P.&arg.ls.w/40% sulph	<0.07	<0.7	0.02	N/A	n
133640	DDH91-9	76.5	77.1	0.6	Q.F.P. w/ 3-5% sulphides	<0.07	<0.7	<0.01	N/A	n
133641	DDH91-9	77.1	78.9	1.8	Limestone w/tr.-1% sulph.	<0.07	<0.7	<0.01	N/A	n
133642	DDH91-9	78.9	82.0	3.0	Limestone w/ 1-3% sulph.	<0.07	<0.7	<0.01	N/A	n
133643	DDH91-9	82.0	85.0	3.0	Limestone w/ 5-10% sulph.	<0.07	<0.7	<0.01	N/A	n
133691	DDH91-10	22.3	26.1	3.8	Yell. tn dk brown oxide	<0.07	5.49	10.58	N/A	n
133692	DDH91-10	35.1	36.3	1.2	Dark red brown oxide	0.07	23.31	24.40	N/A	n
133693	DDH91-10	36.3	39.5	3.2	Yellow brown oxide	<0.07	6.86	14.62	N/A	y
133694	DDH91-10	43.7	45.1	1.4	Red brown oxide	<0.07	10.97	7.45	N/A	n
133648	DDH91-11	45.7	48.3	2.6	Oxides	<0.07	3.43	1.17	N/A	n

Appendix IV

ANALYTICAL RESULTS

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REPORT: V91-01756.4 (COMPLETE)

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT
D2 133631		<0.002	<0.02	<0.01
D2 133632		<0.002	<0.02	<0.01
D2 133633		<0.002	<0.02	<0.01
D2 133634		<0.002	<0.02	<0.01
D2 133635		<0.002	<0.02	<0.01
D2 133636		<0.002	<0.02	<0.01
D2 133637		<0.002	<0.02	<0.01
D2 133638		<0.002	0.03	0.04
D2 133639		<0.002	<0.02	0.02
D2 133640		<0.002	<0.02	<0.01
D2 133641		<0.002	<0.02	<0.01
D2 133642		<0.002	<0.02	<0.01
D2 133643		<0.002	<0.02	<0.01
D2 133648		<0.002	0.10	1.17

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PROJECT: NONE GIVEN PAGE 2

STANDARD NAME	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT
FA SYNTHETIC STD		0.046	0.23	-
Number of Analyses		1	1	-
Mean Value		0.0460	0.230	-
Standard Deviation		-	-	-
Accepted Value		0.050	0.25	-
CANMET CERTIFIED STD		-	-	>10.00
Number of Analyses		-	-	1
Mean Value		-	-	10.000
Standard Deviation		-	-	-
Accepted Value		-	-	-

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PROJECT: NONE GIVEN PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT
133635		<0.002	<0.02	<0.01
Duplicate				<0.01
133636		<0.002	<0.02	<0.01
Duplicate		<0.002	<0.02	
133640		<0.002	<0.02	<0.01
Duplicate				<0.01
Prep Duplicate				
Duplicate				1.18

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PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
D2 133553		23.5	1664	1355	>20000	80	22	5	1257.9	182	>2000	>2000
D2 133554		11.7	870	3687	15948	46	15	6	507.5	419	>2000	>2000
D2 133555		11.4	711	3726	2549	17	22	3	58.9	118	>2000	995
D2 133556		19.2	452	>10000	13192	40	19	4	426.0	227	>2000	761

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SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM
D2 133553		>10.00	370	42	493	77	<2	61	<20	<2	37	<5
D2 133554		>10.00	350	<25	357	61	<2	42	<20	3	12	<5
D2 133555		>10.00	81	<25	107	139	18	45	36	<2	41	<5
D2 133556		>10.00	52	41	319	78	<2	64	<20	<2	37	<5

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SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
D2 133553		<5	0.01	0.98	0.04	0.61	1.07	0.52	5	30	10	29
D2 133554		<5	0.04	1.32	0.09	0.96	0.99	0.64	<5	42	9	32
D2 133555		<5	0.19	1.16	0.15	0.14	0.18	1.13	7	11	6	38
D2 133556		28	<0.01	0.67	0.02	0.17	0.67	0.33	5	23	<5	18

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PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
GEO TRACE STD-2 1989		5.9	787	253	411	558	577	48	<2.0	<5	526	94
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		5.87	787.5	252.6	411.4	557.9	577.1	47.5	1.00	2.5	526.0	93.6
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5.0	820	250	500	600	600	40	2.0	4	320	50
ANALYTICAL BLANK		<0.5	3	7	3	3	1	<1	<2.0	<5	11	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.25	3.5	7.0	2.7	3.0	1.1	0.5	1.00	2.5	11.0	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

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STANDARD NAME	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM
GEO TRACE STD-2 1989		4.97	948	30	617	549	82	48	<20	22	<10	12
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		4.972	948.1	29.8	617.0	548.9	81.6	47.8	10.0	22.1	5.0	12.2
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		6.63	1022	-	573	598	83	-	-	21	7	10
ANALYTICAL BLANK		0.04	<5	<25	<5	8	5	<20	<20	<2	<10	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.042	2.5	12.5	2.5	7.9	5.1	10.0	10.0	1.0	5.0	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

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REPORT: V91-01564.1 (COMPLETE)

PROJECT: NONE GIVEN PAGE 2C

STANDARD NAME	ELEMENT UNITS	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
GEO TRACE STD-2 1989		22	0.14	6.35	5.15	4.70	1.44	1.25	18	168	8	33
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		22.0	0.138	6.349	5.155	4.702	1.436	1.248	18.1	168.1	7.6	32.8
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		37	0.15	6.30	6.20	5.67	1.02	0.90	12	171	13	45
ANALYTICAL BLANK		<5	<0.01	0.02	<0.01	<0.01	0.04	0.01	<5	<1	<5	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	0.005	0.018	0.005	0.005	0.045	0.012	2.5	0.5	2.5	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

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PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
133556		19.2	452	>10000	13192	40	19	4	426.0	227	>2000	761
Duplicate		17.3	455	>10000	13479	33	12	4	497.0	193	>2000	746

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SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM
133556		>10.00	52	41	319	78	<2	64	<20	<2	37	<5
Duplicate		>10.00	49	<25	299	90	<2	38	<20	<2	<10	<5

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DATE PRINTED: 18-NOV-91

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
133556		28	<0.01	0.67	0.02	0.17	0.67	0.33	5	23	<5	18
Duplicate		<5	<0.01	0.54	0.02	0.15	0.48	0.26	<5	20	<5	13

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PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
R2 A		0.083	0.73	1.74	
R2 B		0.025	5.19	0.52	
R2 C		0.168	0.91	0.14	
R2 D		0.022	0.65	0.94	
R2 133644		0.004	0.04	<0.01	
D2 133571		<0.002	<0.02	<0.01	
D2 133572		<0.002	<0.02	<0.01	
D2 133573		<0.002	<0.02	<0.01	
D2 133574		<0.002	<0.02	0.01	
D2 133575		<0.002	0.06	1.00	
D2 133576		0.004	0.48	7.34	
D2 133577		0.004	0.22	2.88	
D2 133578		0.053	0.87	1.52	
D2 133579		0.182	1.39	2.25	
D2 133580		0.063	0.86	2.34	
D2 133581		0.034	0.40	2.34	
D2 133582		<0.002	0.26	5.16	
D2 133583		<0.002	0.05	0.41	
D2 133584		<0.002	<0.02	0.03	
D2 133585		<0.002	<0.02	0.03	
D2 133586		<0.002	<0.02	0.03	
D2 133587		<0.002	<0.02	<0.01	
D2 133588		<0.002	<0.02	<0.01	
D2 133589		<0.002	<0.02	<0.01	
D2 133590		<0.002	<0.02	<0.01	
D2 133591		<0.002	<0.02	<0.01	
D2 133592		<0.002	<0.02	<0.01	
D2 133593		<0.002	0.02	<0.01	
D2 133594		<0.002	<0.02	0.03	
D2 133595		<0.002	<0.02	0.08	
D2 133596		<0.002	<0.02	0.20	
D2 133597		<0.002	<0.02	0.09	
D2 133598		<0.002	<0.02	0.26	
D2 133599		<0.002	0.18	4.04	
D2 133600		0.006	1.30	2.93	
D2 133602		<0.002	1.01	5.11	
D2 133603		<0.002	0.06	0.93	
D2 133604		<0.002	0.18	>10.00	16.76
D2 133605		<0.002	0.12	7.77	
D2 133606		<0.002	<0.02	0.09	
D2 133607		<0.002	0.16	>10.00	21.22
D2 133608		<0.002	<0.02	0.90	
D2 133609		<0.002	<0.02	0.05	
D2 133610		<0.002	0.06	0.88	
D2 133611		0.042	0.53	1.82	
D2 133612		0.012	0.22	1.70	
D2 133613		<0.002	0.18	2.54	
D2 133614		0.008	0.02	0.76	
D2 133615		<0.002	<0.02	0.04	
D2 133616		<0.002	<0.02	0.12	
D2 133617		<0.002	<0.02	0.10	
D2 133618		<0.002	<0.02	0.04	
D2 133619		<0.002	<0.02	<0.01	
D2 133620		<0.002	<0.02	0.01	
D2 133621		<0.002	<0.02	0.03	
D2 133622		<0.002	<0.02	0.18	
D2 133623		<0.002	<0.02	0.04	
D2 133624		<0.002	<0.02	<0.01	
D2 133625		<0.002	<0.02	<0.01	
D2 133626		<0.002	<0.02	<0.01	
D2 133627		<0.002	<0.02	<0.01	
D2 133628		<0.002	<0.02	<0.01	
D2 133629		<0.002	<0.02	0.03	
D2 133630		<0.002	<0.02	<0.01	

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Certificate of Analysis

REPORT: V91-01594.4 (COMPLETE)

DATE PRINTED: 29-OCT-91

PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
FA SYNTHETIC STD		0.046	0.25	-	-
Number of Analyses		1	1	-	-
Mean Value		0.0460	0.250	-	-
Standard Deviation		-	-	-	-
Accepted Value		0.050	0.25	-	-
CANMET CERTIFIED STD		-	-	>10.00	-
CANMET CERTIFIED STD		-	-	>10.00	-
Number of Analyses		-	-	2	-
Mean Value		-	-	10.000	-
Standard Deviation		-	-	0.0000	-
Accepted Value		-	-	-	19.02
ANALYTICAL BLANK		<0.002	<0.02	-	-
Number of Analyses		1	1	-	-
Mean Value		0.0010	0.010	-	-
Standard Deviation		-	-	-	-
Accepted Value		-	-	-	-

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PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
133644		0.004	0.04	<0.01	
Duplicate				<0.01	
133571		<0.002	<0.02	<0.01	
Duplicate		0.004	0.02		
133575		<0.002	0.06	1.00	
Duplicate				1.00	
133580		0.063	0.86	2.34	
Duplicate				2.36	
133583		<0.002	0.05	0.41	
Duplicate		<0.002	0.04		
133585		<0.002	<0.02	0.03	
Duplicate				0.02	
133590		<0.002	<0.02	<0.01	
Duplicate				<0.01	
133594		<0.002	<0.02	0.03	
Duplicate		<0.002	<0.02		
133595		<0.002	<0.02	0.08	
Prep Duplicate		<0.002	<0.02	0.07	
				0.07	
133604		<0.002	0.18	>10.00	16.76
Duplicate				>10.00	
133606		<0.002	<0.02	0.09	
Prep Duplicate		<0.002	<0.02	0.03	
Duplicate		<0.002	<0.02		
133608		<0.002	<0.02	0.90	
Duplicate				0.90	
133613		<0.002	0.18	2.54	
Duplicate				2.54	
133617		<0.002	<0.02	0.10	
Duplicate		<0.002	<0.02		
133618		<0.002	<0.02	0.04	
Duplicate				0.04	
133623		<0.002	<0.02	0.04	
Duplicate				0.02	

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
133628		<0.002	<0.02	<0.01	
Duplicate				<0.01	
133629		<0.002	<0.02	0.03	
Duplicate		<0.002	<0.02		

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DATE PRINTED: 22-OCT-91
PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT	Sb PCT
D2 133501		<0.002	0.19	0.03		
D2 133502		<0.002	0.04	0.18		
D2 133503		<0.002	0.75	3.21		
D2 133504		0.005	0.35	13.31		
D2 133505		0.073	0.78	3.24		
D2 133506		0.063	0.52	1.99		
D2 133507		0.260	0.75	1.01		0.09
D2 133508		0.176	0.48	0.24		0.07
D2 133509		0.142	1.28	0.40		0.07
D2 133510		0.230	1.28	0.37		
D2 133511		0.091	0.73	1.02		0.06
D2 133512		0.020	0.53	2.41		0.11
D2 133513		0.010	0.13	1.18		
D2 133514		0.007	0.97	3.73		
D2 133515		0.013	0.56	9.01		
D2 133516		<0.002	0.14	3.88		
D2 133517		<0.002	0.16	3.45		0.07
D2 133518		<0.002	<0.02	0.06		
D2 133519		<0.002	<0.02	0.02		
D2 133520		<0.002	<0.02	0.02		
D2 133521		<0.002	<0.02	0.02		
D2 133522		<0.002	<0.02	0.01		<0.01
D2 133523		<0.002	<0.02	0.02		<0.01
D2 133524		<0.002	<0.02	0.03		
D2 133525		<0.002	<0.02	<0.01		
D2 133526		<0.002	0.02	0.01		
D2 133527		<0.002	0.02	0.01		
D2 133528		<0.002	<0.02	0.02		
D2 133529		<0.002	<0.02	0.03		
D2 133530		<0.002	<0.02	0.01		
D2 133531		<0.002	<0.02	<0.01		
D2 133532		<0.002	<0.02	<0.01		
D2 133533		<0.002	<0.02	<0.01		
D2 133534		<0.002	<0.02	0.02		
D2 133535		<0.002	0.05	0.01		
D2 133536		<0.002	<0.02	0.01		
D2 133537		<0.002	<0.02	<0.01		
D2 133538		<0.002	<0.02	<0.01		
D2 133539		<0.002	<0.02	0.01		
D2 133540		<0.002	<0.02	0.02		

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REPORT: V91-01564.4 (COMPLETE)

DATE PRINTED: 22-OCT-91

PROJECT: NONE GIVEN PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT	Sb PCT
D2 133541		<0.002	<0.02	0.04		
D2 133542		<0.002	<0.02	<0.01		
D2 133543		0.213	1.80	0.78		0.09
D2 133544		0.144	1.25	1.18		0.10
D2 133545		0.048	0.52	1.71		0.14
D2 133546		0.020	0.41	2.53		0.15
D2 133547		0.044	0.20	2.53		0.44
D2 133548		0.007	0.30	2.11		0.17
D2 133549		0.003	0.26	2.84		0.04
D2 133550		<0.002	0.28		23.06	0.03
D2 133551		<0.002	0.16	4.02		0.07
D2 133552		0.005	0.24	5.86		0.29
D2 133553		0.020	0.75	2.91		0.83
D2 133554		0.034	0.54	2.01		0.49
D2 1335548		0.071	0.58	1.49		0.52
D2 133555		0.109	0.34	0.32		0.14
D2 133556		0.073	0.75	1.68		0.10
D2 133557		<0.002	<0.02	0.10		<0.01
D2 133558		0.003	0.07	0.15		<0.01
D2 133559		<0.002	<0.02	0.02		<0.01
D2 133560		<0.002	<0.02	0.06		<0.01
D2 133561		<0.002	<0.02	0.03		<0.01
D2 133562		<0.002	<0.02	0.03		<0.01
D2 133563		<0.002	<0.02	0.02		<0.01
D2 133564		<0.002	<0.02	0.03		<0.01
D2 133565		<0.002	<0.02	0.02		<0.01
D2 133566		<0.002	<0.02	0.01		<0.01
D2 133567		<0.002	<0.02	0.02		<0.01
D2 133568		<0.002	<0.02	<0.01		<0.01
D2 133569		0.170	0.19	0.15		0.11
D2 133570		0.005	0.19	14.86		0.08
D2 133691		<0.002	0.16	10.58		
D2 133692		0.002	0.68		24.40	
D2 133693		<0.002	0.20	14.62		
D2 133694		<0.002	0.32	7.45		
D2 133695		<0.002	0.21	2.65		
D2 133696		0.003	0.37	3.58		
D2 133697		<0.002	0.41	4.16		
D2 133698		0.005	0.65	5.00		
D2 133699		<0.002	0.03	0.09		

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REPORT: V91-01564.4 (COMPLETE)

PROJECT: NONE GIVEN PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT	Sb PCT
D2 133700		<0.002	0.03	0.20		

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REPORT: V91-01564.4 (COMPLETE)

PROJECT: NONE GIVEN

STANDARD NAME / ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT	Sb PCT
FA SYNTHETIC STD	0.050	-	-	-	-
Number of Analyses	1	-	-	-	-
Mean Value	0.0500	-	-	-	-
Standard Deviation	-	-	-	-	-
Accepted Value	0.050	0.25	-	-	-
CANMET CERTIFIED STD	-	-	19.15	-	0.03
Number of Analyses	-	-	1	-	1
Mean Value	-	-	19.148	-	0.026
Standard Deviation	-	-	-	-	-
Accepted Value	-	-	19.02	19.02	-
ANALYTICAL BLANK	<0.002	<0.02	-	-	-
Number of Analyses	1	1	-	-	-
Mean Value	0.0010	0.010	-	-	-
Standard Deviation	-	-	-	-	-
Accepted Value	-	-	-	-	-
FA SYNTHETIC STD	0.095	-	-	-	-
Number of Analyses	1	-	-	-	-
Mean Value	0.0950	-	-	-	-
Standard Deviation	-	-	-	-	-
Accepted Value	0.100	0.50	-	-	-
WESTMIN FEED	-	-	4.12	-	-
Number of Analyses	-	-	1	-	-
Mean Value	-	-	4.120	-	-
Standard Deviation	-	-	-	-	-
Accepted Value	-	0.89	4.10	-	-
1990 AU STANDARD-1	0.148	0.06	-	-	-
Number of Analyses	1	1	-	-	-
Mean Value	0.1478	0.060	-	-	-
Standard Deviation	-	-	-	-	-
Accepted Value	0.184	-	-	-	-
Number of Analyses	-	-	-	-	-
Mean Value	-	-	-	-	-
Standard Deviation	-	-	-	-	-
Accepted Value	-	-	-	-	-

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REPORT: V91-01564.4 (COMPLETE)

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT	Sb PCT
133505		0.073	0.78	3.24		
Duplicate				3.32		
133506		0.063	0.52	1.99		
Duplicate		0.062	0.59			
133511		0.091	0.73	1.02		0.06
Duplicate				0.98		0.06
133517		<0.002	0.16	3.45		0.07
Duplicate				3.54		0.07
133518		<0.002	<0.02	0.06		
Duplicate		<0.002	<0.02			
133520		<0.002	<0.02	0.02		
Duplicate				0.02		
133525		<0.002	<0.02	<0.01		
Duplicate				<0.01		
133529		<0.002	<0.02	0.03		
Duplicate		<0.002	<0.02			
133530		<0.002	<0.02	0.01		
Duplicate				0.01		
133538		<0.002	<0.02	<0.01		
Duplicate				<0.01		
133541		<0.002	<0.02	0.04		
Duplicate		0.003	0.03			
133543		0.213	1.80	0.78		0.09
Duplicate				0.76		0.10
133548		0.007	0.30	2.11		0.17
Duplicate				2.08		0.19
133550		<0.002	0.28		23.06	0.03
Duplicate					23.00	
133552		0.005	0.24	5.86		0.29
Duplicate		0.004	0.22			
133553		0.020	0.75	2.91		0.83
Duplicate				2.88		0.83

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PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT	Sb PCT
133557		<0.002	<0.02	0.10		<0.01
Duplicate				0.10		<0.01
133562		<0.002	<0.02	0.03		<0.01
Duplicate				0.02		<0.01
133563		<0.002	<0.02	0.02		<0.01
Duplicate		<0.002	<0.02			
133570		0.005	0.19	14.86		0.08
Duplicate				14.88		0.08
133692		0.002	0.68		24.40	
Duplicate					24.55	
133694		<0.002	0.32	7.45		
Duplicate		<0.002	0.33			
133695		<0.002	0.21	2.65		
Duplicate				2.60		
133700		<0.002	0.03	0.20		
Duplicate				0.22		

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REPORT: V91-01564.6 (COMPLETE)

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PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT
D2 133503		1.37

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REPORT: V91-01564.6 (COMPLETE)

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PROJECT: NONE GIVEN PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT
133503		1.37
Duplicate		1.38

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REPORT: V91-01564.5 (COMPLETE)

PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT
D2 133554B		0.62
D2 133555		0.45
D2 133556		1.40

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REPORT: V91-01564.5 (COMPLETE)

PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Pb PCT
Number of Analyses		-
Mean Value		-
Standard Deviation		-
Accepted Value		-

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REPORT: V91-01564.5 (COMPLETE)

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PROJECT: NONE GIVEN PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Pb PCT
1335548		0.62
Duplicate		0.60
133555		0.45
Duplicate		0.45

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Geochemical Lab Report

DATE PRINTED: 16-OCT-91

REPORT: V91-01564.0 (COMPLETE)

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
D2 133503		23.2	1087	>10000	>20000	50	88	20	88.2	<5	>2000	1391
D2 133507		23.2	412	4876	8452	19	<1	6	82.2	<5	>2000	756
D2 133508		16.2	467	6696	2000	15	13	2	<2.0	<5	>2000	650
D2 133509		45.6	697	8147	3354	12	<1	5	56.4	<5	>2000	597
D2 133511		26.7	1384	5794	8234	34	16	3	818.6	<5	>2000	560
D2 133512		15.6	823	4186	18823	44	41	19	781.5	<5	>2000	907
D2 133517		5.0	58	941	>20000	40	26	8	70.0	<5	>2000	515
D2 133522		<0.5	23	18	111	3	53	15	<2.0	<5	169	7
D2 133523		1.1	30	15	123	7	76	18	<2.0	<5	126	30
D2 133525		0.9	3	6	35	1	6	5	<2.0	<5	59	6
D2 133530		<0.5	15	2	81	5	25	16	<2.0	<5	39	8
D2 133535		0.6	4	19	84	<1	<1	6	<2.0	<5	69	7
D2 133540		1.2	6	20	115	2	<1	<1	4.7	<5	310	10
D2 133545		18.7	718	1413	13898	37	18	8	130.4	<5	>2000	1141
D2 133550		8.5	195	335	>20000	175	86	35	287.8	<5	>2000	316
D2 133693		6.6	224	373	>20000	128	77	15	104.2	<5	>2000	319
D2 133698		21.0	309	289	>20000	64	36	9	806.1	<5	>2000	364

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

DATE PRINTED: 16-OCT-91

REPORT: V91-01564.0 (COMPLETE)

PROJECT: NONE GIVEN PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM
D2 133503		>10.00	4117	<25	303	158	143	28	<20	10	<10	5
D2 133507		>10.00	145	<25	762	57	<2	41	<20	3	<10	<5
D2 133508		>10.00	138	<25	857	56	<2	70	<20	<2	<10	<5
D2 133509		>10.00	204	<25	571	48	<2	51	<20	<2	<10	<5
D2 133511		>10.00	166	<25	1108	79	<2	79	<20	<2	<10	<5
D2 133512		>10.00	4508	<25	1047	107	75	59	<20	12	<10	13
D2 133517		3.08	3939	<25	518	42	87	21	<20	6	<10	16
D2 133522		2.92	451	<25	168	76	90	<20	<20	26	<10	34
D2 133523		3.58	585	<25	181	111	115	30	<20	41	<10	41
D2 133525		0.11	127	<25	49	14	39	<20	<20	<2	<10	8
D2 133530		2.47	508	<25	118	42	89	<20	<20	9	<10	58
D2 133535		0.07	437	<25	53	11	35	<20	<20	<2	<10	9
D2 133540		0.13	173	<25	53	6	33	<20	<20	<2	<10	7
D2 133545		>10.00	330	<25	837	84	9	71	<20	2	<10	<5
D2 133550		>10.00	9617	<25	1181	89	227	91	<20	14	<10	37
D2 133693		7.01	4507	<25	1355	94	155	76	<20	18	<10	24
D2 133698		>10.00	679	<25	838	85	108	79	<20	8	<10	14

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SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
D2 133503		<5	0.71	1.38	0.23	1.23	0.18	0.65	37	18	9	7
D2 133507		<5	0.04	0.33	0.06	3.36	0.07	0.19	8	322	<5	<5
D2 133508		<5	0.04	0.32	0.08	2.95	0.08	0.22	20	371	<5	<5
D2 133509		<5	0.03	0.26	0.05	2.39	0.08	0.15	<5	223	<5	<5
D2 133511		<5	0.03	0.54	0.06	1.58	0.12	0.19	21	130	10	6
D2 133512		<5	0.14	1.73	0.45	1.09	0.19	0.42	20	44	18	27
D2 133517		<5	0.06	0.97	0.37	>10.00	0.06	0.30	21	253	12	12
D2 133522		<5	0.53	2.65	4.06	>10.00	0.16	0.63	30	204	13	73
D2 133523		<5	0.71	3.20	2.74	>10.00	0.22	0.70	61	256	13	100
D2 133525		<5	0.01	0.06	2.63	>10.00	0.04	0.03	24	318	<5	<5
D2 133530		<5	0.28	2.61	1.49	>10.00	0.28	0.61	24	248	18	142
D2 133535		<5	<0.01	0.04	2.49	>10.00	0.04	0.02	14	174	6	<5
D2 133540		<5	<0.01	0.03	2.33	>10.00	0.04	0.01	25	176	<5	<5
D2 133545		<5	0.06	0.93	0.13	1.52	0.31	0.38	21	46	10	22
D2 133550		<5	0.10	2.61	0.60	1.66	0.14	0.63	8	31	39	41
D2 133693		<5	0.06	3.07	0.87	5.93	0.14	0.67	10	55	27	42
D2 133698		<5	0.10	1.32	0.45	1.45	0.13	0.42	19	31	25	23

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PROJECT: NONE GIVEN PAGE 2A

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
GEO TRACE STD-2 1989		6.3	767	226	568	598	608	47	<2.0	<5	421	57
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		6.28	766.7	226.1	568.2	597.6	607.9	46.9	1.00	2.5	421.5	56.6
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5.0	820	250	500	600	600	40	2.0	4	320	50
ANALYTICAL BLANK		<0.5	<2	<2	<2	<1	<1	<1	<2.0	<5	<5	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.25	1.0	1.0	1.0	0.5	0.5	0.5	1.00	2.5	2.5	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

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STANDARD NAME	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM
GEO TRACE STD-2 1989		5.48	902	<25	566	471	81	20	<20	19	<10	11
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		5.483	901.7	12.5	566.5	471.3	81.3	20.0	10.0	18.5	5.0	10.6
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		6.63	1022	-	573	598	83	-	-	21	7	10
ANALYTICAL BLANK		0.05	<5	<25	<5	<2	<2	<20	<20	<2	<10	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		0.046	2.5	12.5	2.5	1.0	1.0	10.0	10.0	1.0	5.0	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

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Geochemical Lab Report

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REPORT: V91-01564.0 (COMPLETE)

PROJECT: NONE GIVEN PAGE 2C

STANDARD NAME	ELEMENT UNITS	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
GEO TRACE STD-2 1989		<5	0.15	6.57	5.71	5.51	1.19	1.12	14	168	10	41
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	0.149	6.572	5.706	5.513	1.191	1.124	14.5	168.1	9.8	40.7
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		37	0.15	6.30	6.20	5.67	1.02	0.90	12	171	13	45
ANALYTICAL BLANK		<5	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<5	<1	<5	<5
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	0.005	0.005	0.005	0.005	0.005	0.021	2.5	0.5	2.5	2.5
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-

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PROJECT: NONE GIVEN PAGE 3A

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM
133511		26.7	1384	.5794	8234	34	16	3	818.6	<5	>2000	560
Prep Duplicate		22.0	1146	5375	7040	29	18	6	698.3	<5	>2000	499
Duplicate		26.1	1384	5786	8222	34	13	<1	829.7	<5	>2000	551

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REPORT: V91-01564.0 (COMPLETE)

PROJECT: NONE GIVEN PAGE 38

SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	Li PPM	Ga PPM	La PPM
133511		>10.00	166	<25	1108	79	<2	79	<20	<2	<10	<5
Prep Duplicate		>10.00	73	<25	951	66	<2	77	<20	<2	<10	<5
Duplicate		>10.00	186	<25	1112	79	<2	78	<20	<2	<10	<5

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PROJECT: NONE GIVEN PAGE 3C

SAMPLE NUMBER	ELEMENT UNITS	Ta PPM	Ti PCT	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Nb PPM	Sr PPM	Y PPM	Zr PPM
133511		<5	0.03	0.54	0.06	1.58	0.12	0.19	21	130	10	6
Prep Duplicate		<5	0.03	0.54	0.07	1.60	0.21	0.22	24	140	9	16
Duplicate		<5	0.03	0.65	0.07	1.61	0.32	0.27	19	130	9	14

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Certificate of Analysis

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V91-01496.4 (COMPLETE)

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PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
D2 133651		0.004	0.03		
D2 133652		<0.002	0.03		
D2 133653		<0.002	0.03		
D2 133654		<0.002	<0.02		
D2 133655		<0.002	<0.02		
D2 133656		<0.002	<0.02		
D2 133657		<0.002	<0.02		
D2 133658		<0.002	<0.02		
D2 133659		<0.002	<0.02		
D2 133660		<0.002	0.15		
D2 133661		<0.002	0.13	2.55	
D2 133662		<0.002	0.14	>10.00	15.31
D2 133663		<0.002	0.10	8.01	
D2 133664		<0.002	0.17	>10.00	14.40
D2 133665		<0.002	0.13	>10.00	11.54
D2 133666		<0.002	0.24	>10.00	21.17
D2 133667		<0.002	0.16	>10.00	10.08
D2 133668		<0.002	0.57	6.14	
D2 133669		<0.002	0.33	>10.00	10.76
D2 133670		<0.002	0.25	>10.00	18.92
D2 133671		<0.002	0.18	9.46	
D2 133672		<0.002	0.16	8.26	
D2 133673		0.005	0.47	6.38	
D2 133674		<0.002	0.18	>10.00	22.76
D2 133675		<0.002	0.02	0.04	
D2 133676		<0.002	0.13	4.21	
D2 133677		<0.002	0.13	3.16	
D2 133678		<0.002	0.21	3.66	
D2 133679		<0.002	0.18	3.40	
D2 133680		0.004	0.29	2.33	
D2 133681		<0.002	0.06	0.55	
D2 133682		0.038	0.34	1.80	
D2 133683		0.163	0.44	0.47	
D2 133684		0.179	0.80	0.35	
D2 133685		0.068	0.37	2.35	
D2 133686		0.024	0.30	3.88	
D2 133687		0.097	3.23	1.83	
D2 133688		0.647	1.69	1.45	
D2 133689		0.052	0.51	2.69	
D2 133690		<0.002	0.03	0.10	

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PROJECT: NONE GIVEN PAGE 2

STANDARD NAME / ELEMENT / UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
FA SYNTHETIC STD	0.048	0.25	-	-
Number of Analyses	1	1	-	-
Mean Value	0.0481	0.250	-	-
Standard Deviation	-	-	-	-
Accepted Value	0.050	0.25	-	-
Number of Analyses	-	-	-	-
Mean Value	-	-	-	-
Standard Deviation	-	-	-	-
Accepted Value	-	-	-	-
1990 AU STANDARD-1	0.142	0.06	-	-
Number of Analyses	1	1	-	-
Mean Value	0.1420	0.060	-	-
Standard Deviation	-	-	-	-
Accepted Value	0.184	-	-	-
CANMET CERTIFIED STD	-	-	>10.00	-
Number of Analyses	-	-	1	-
Mean Value	-	-	10.000	-
Standard Deviation	-	-	-	-
Accepted Value	-	-	-	19.02

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PROJECT: NONE GIVEN PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Zn PCT	Zn PCT
133656		<0.002	<0.02		
Duplicate		<0.002	<0.02		
133662		<0.002	0.14	>10.00	15.31
Duplicate					15.34
133665		<0.002	0.13	>10.00	11.54
Duplicate				>10.00	
133667		<0.002	0.16	>10.00	10.08
Duplicate					10.15
133668		<0.002	0.57	6.14	
Duplicate		<0.002	0.54		
133670		<0.002	0.25	>10.00	18.92
Duplicate				>10.00	
133674		<0.002	0.18	>10.00	22.76
Prep Duplicate		0.012	0.46	>10.00	22.85
					21.90
1 675		<0.002	0.02	0.04	
Duplicate				0.04	
1 679		<0.002	0.18	3.40	
Duplicate		<0.002	0.16		
1 680		0.004	0.29	2.33	
Duplicate				2.26	
1 685		0.068	0.37	2.35	
Duplicate				2.28	
133689		0.052	0.51	2.69	
Duplicate				2.63	
133690		<0.002	0.03	0.10	
Prep Duplicate		<0.002	<0.02	0.21	
Duplicate		<0.002	0.03		

Appendix V

DETAILED STATEMENT OF COSTS

DETAILED STATEMENT OF COSTS

NQ DIAMOND DRILLING - Triangle Drilling

DDH 91-5 Drilling 184.4 m, casing to 71.6 m		$14,008.00	
DDH 91-6 Drilling 128.0 m, casing to 44.2 m		$9,624.00	
DDH 91-7 Drilling 75.0 m, casing to 68.6 m		$7,208.30	
DDH 91-8 Drilling 85.3 m, casing to 1.5 m		$5,310.50	
DDH 91-9 Drilling 93.9 m, casing to 15.2 m		$6,279.40	
DDH 91-11 Drilling 68.6 m, casing to 1.5 m		$4,209.00	
	Subtotal	$46,639.20	
	G.S.T.	$3,264.74	
Additional Core boxes (Woodpecker Industries)		$628.73	
TOTAL DRILLING COSTS			$50,532.67

ROAD IMPROVEMENTS

Hiram Enterprises Ltd.		
TD 25E Sept. 25 to 27, 1991		
27 hrs @ $145. + GST	$4,189.05	
Hat Lake Logging		
Hauling tractor to property + GST	$577.80	
TOTAL ROAD IMPROVEMENTS		$4,766.85

ANALYTICAL COSTS

Bondar Clegg

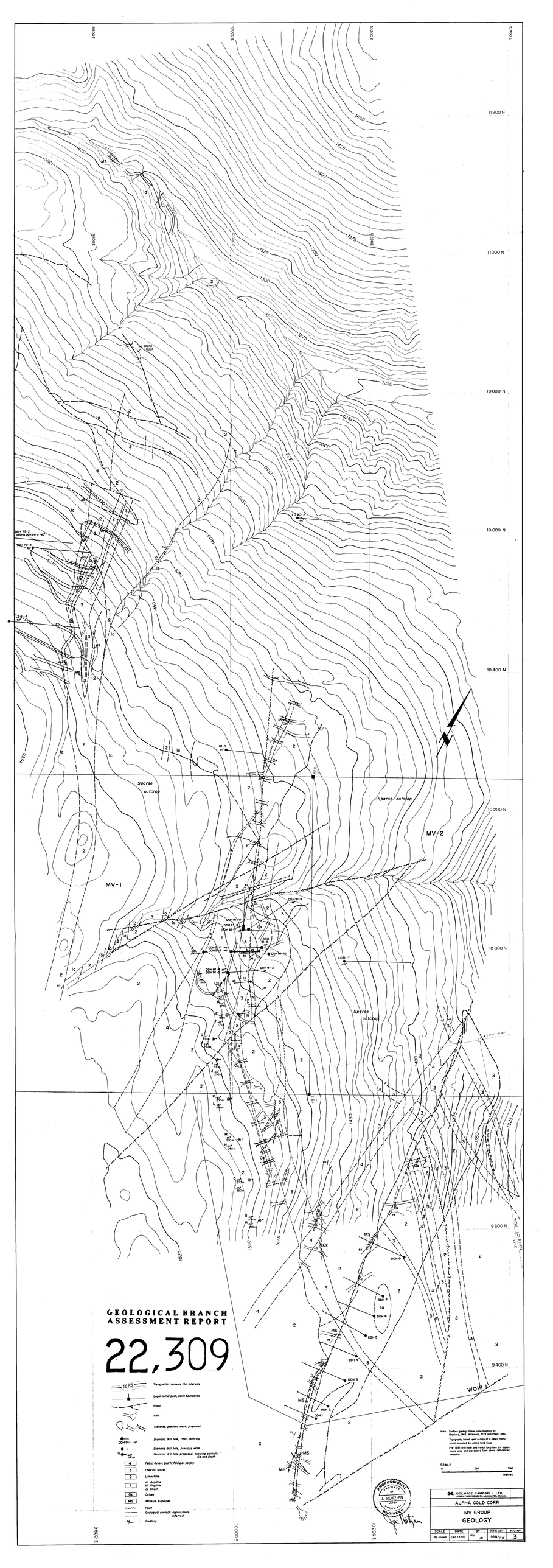
Analyses for	Au	Ag	Zn	Sb	Pb	ICP
DDH 91-5	30	30	30	3	-	7
DDH 91-6	29	29	29	29	3	6
DDH 91-7	18	18	18	-	-	-
DDH 91-8	25	25	25	-	-	-
DDH 91-9	29	29	29	-	-	-
DDH 91-11	1	1	1	-	-	-
Total	132	132	132	32	3	13

Costs: Au + Ag = $10.80, ZN = $7.65, Pb = $7.65, Sb = $2.98

Crush and pulverize 132 samples @ $4.00 =	$528.00
Dry 104 samples @ $1.00 =	$104.00
Au + Ag + Zn 132 samples @ $18.45	$2,435.00
Sb 32 samples @ $2.98	$95.36
Pb 3 samples @ $7.65	$22.95
ICP 13 samples @ $15.00	$195.00
Shipping charges	$186.69
Subtotal	$3,567.40

GST	$249.72	
TOTAL BONDAR CLEGG	$3,817.12	
CHEMEX		
12 check assays for gold, silver		
12 @ $20.25	$243.00	
GST	$17.01	
TOTAL CHEMEX	$260.01	
TOTAL ANALYTICAL		$4,077.13
SITE SUPERVISION, CORE LOGGING, SAMPLING ETC		
Dolmage Campbell Ltd., J.L. Rotzien Sept. 19, 1991 through		
October 10, 1991, 22 days @ $400	$8,800.00	
GST	$616.00	
TOTAL SITE SUPERVISION		$9,416.00
STAFF QUARTERS TRAILER RENTAL		
Atco, Aug. 23, 1991 to October 10, 1991		
49 days rental plus hauling @ $3,968.63		
(incl. GST) Prorated to Sept. 19, 1991 to		
Oct. 10, 1991 = 26/49 x $3,968.63		$2,105.80
BOARD		
Site Engineer, J.L. Rotzien 22 days @ $25	$550.00	
Owner's Representative, G. Whatley 14 days @ $25	$350.00	
Total Board		$900.00
TRUCK RENTAL		
Jeep, Sept. 2, 1991 to Oct. 10, 1991 =		
39 days rental plus handling etc. at $1,451.85		
Prorated to Sept. 19, 1991 to Oct. 10, 1991		
22/39 x $1,451.85	$918.99	
King Cab for Demobilizing	$379.50	
Total Truck Rentals		$1,198.49
TRAVEL		
J.L. Rotzien 1 round trip Vancouver		
to Prince George and return	$513.60	
G. Whatley 2 round trips Vancouver		
to Prince George 2 x $513.60	$1,027.20	
Total Travel Costs		$1,540.80

REPORT PREPARATION		
J. Rotzien 8 days @ $400	$3,200.00	
Draughting 52 hours @ $25	$1,300.00	
Printing, copying, etc.	$250.00	$4,750.00
TOTAL ESTIMATED FIELD COSTS		$79,287.74


GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,309
MV-1
MV-2
Sparse outcrop
Sparse outcrop
Sparse outcrop
WOW 1
Topographic contours, 5m intervals
Legal corner post, claim boundaries
Road
Adit
Trenches: previous work, proposed
Diamond drill hole, 1991, with dip
Diamond drill hole, previous work
Diamond drill hole, proposed, showing azimuth, dip and depth
Felsic dykes, quartz feldspar porphy
Chlorite schist
Limestone
Andesite
Chert
Oxides
Massive sulphides
Fault
Geological contact: approximate
inferred
Bedding
Surface geology based upon mapping by Brommund, 1963, Wilkinson, 1979 and Priest, 1980
Topography based upon a copy of a pencil manuscript provided by Alpha Gold Corp.
Pre-1991 drill hole and trench locations are approximate only and are scaled from claim-referenced mapping
SCALE
0 50 100
metres
DOLMAGE CAMPBELL LTD.
CONSULTING ENGINEERS, VANCOUVER, CANADA
ALPHA GOLD CORP.
MV GROUP
GEOLOGY
SCALE: As shown
DATE: Dec 13/91
BY: dlp JR
N.T.S. M: 93N/11W
FIG. NO: 3