DIAMOND DRILLING REPORT

on the

1998 EXPLORATION OF THE LUSTDUST PROPERTY

OMINECA MINING DIVISION

BRITISH COLUMBIA

LATITUDE 55 34' LONGITUDE 125 25'

NTS 93N/11W

For-Alpha Gold Corp.

November, 1998
By G. Evans

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

APPENDICES

1. - EXECUTIVE SUMMARY

Exploration on the Lustdust property in 1998 continued to develop a coherent hydrothermal system that integrates the various zones of mineralization on the property. Additional work is warranted on the #1 zone sulphosalt veins in the southern portion of the property, which contain high values of Au, Ag, Pb, Zn and Sb closely associated with felsic dykes. Additional work is required on the #2 and #3 oxides which are oxidized zones with high Au and Zn values +/- Pb, Ag in replacement zones.

This large hydrothermal shows good zonation with persistent Au mineralization throughout. A number of valid targets remain untested over large portions of the property. Additional work in a persistent manner is warranted on this project which displays complex structural controls with erratic but high-grade values.

2. -INTRODUCTION

2.1 - Location and Access

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

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

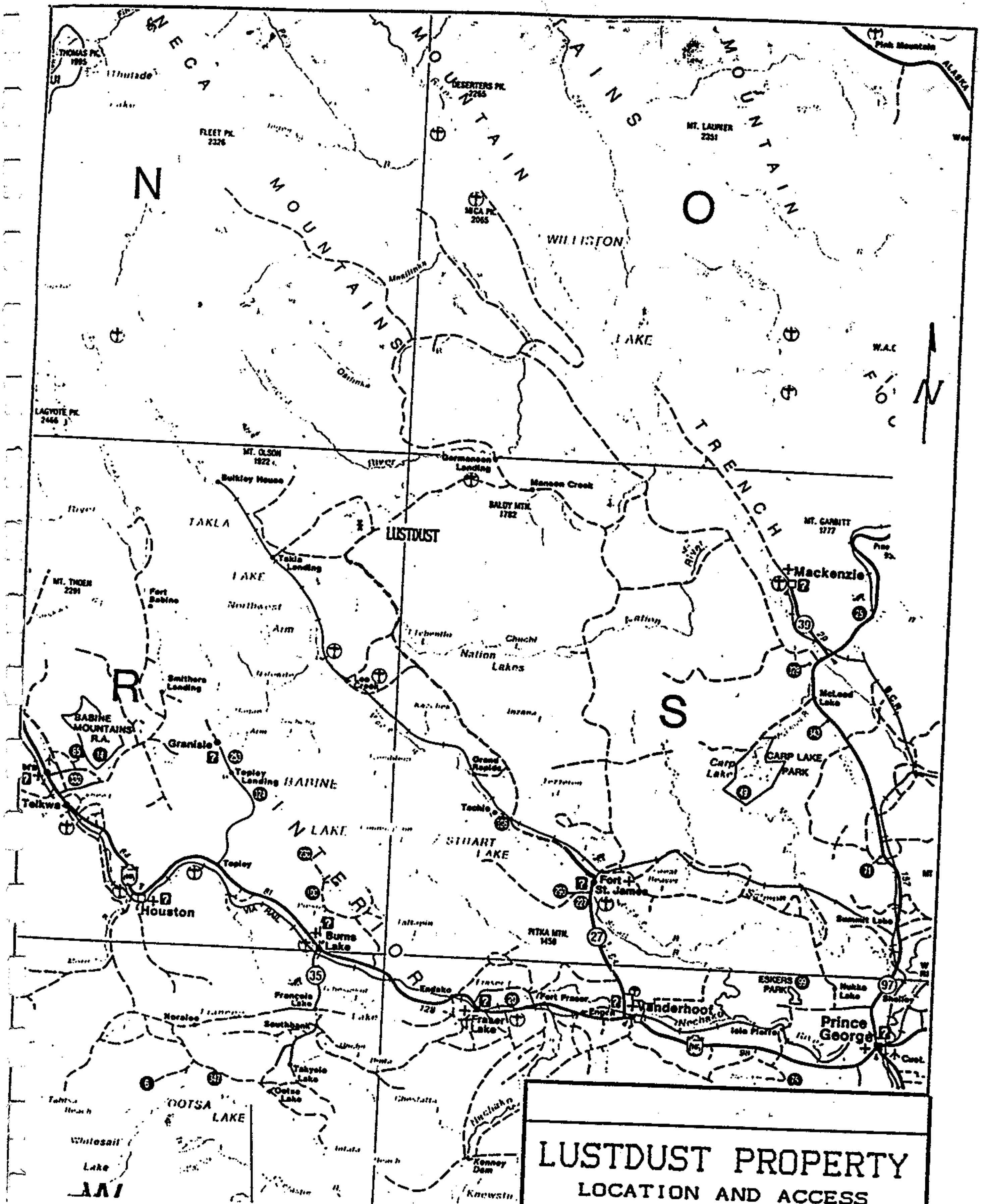
2.2 - Property Status

The Lustdust property is owned by 100% by Alpha Gold Corp. with minor underlying royalties. The property comprises a total of 77 units (see fig.2).

Claim Name	Record No.	No. of Units	Expiry Date
M.V.1	246007	1 (2 post)	20/09/2008*
M.V.2	246008	1 (2 post)	20/09/2008*
Wow 1	238056	1 (2 post)	20/10/2008*
L	237969	12	17/10/2008*
M	237970	20	17/10/2008*
Air	238053	4	11/10/2008*
P	238186	10	25/10/2008*
Ink	238187	16	23/10/2008*
Hogged	240667	12	21/05/2008*

These claims form the 77 unit Lustdust group.

* Pending acceptance of this report.



1:1,800,000

0 km 100

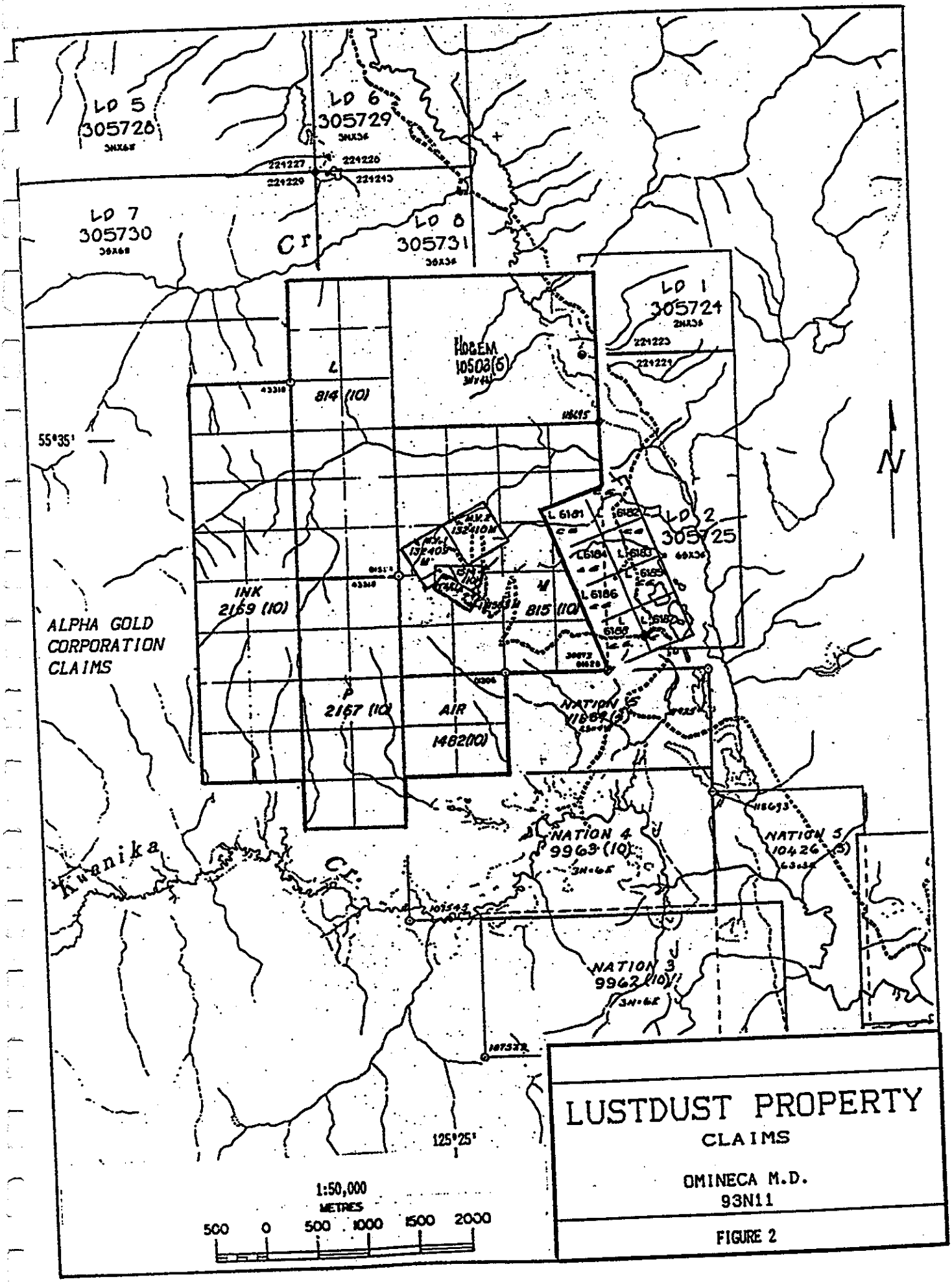
LUSTDUST PROPERTY

LOCATION AND ACCESS

OMINECA M.D.

93N11

FIGURE 1


LD 5
305726
LD 6
305729
LD 7
305730
LD 8
305731
LD 1
305724
LD 2
305725
HOGEM
10503(6)
814 (10)
815 (10)
INK
2169 (10)
P
2167 (10)
AIR
14821(10)
ALPHA GOLD
CORPORATION
CLAIMS
NATION 4
9963 (10)
NATION 5
10426 (5)
NATION 3
9962 (10)
Kwanika
Cr.
55°35'
125°25'
N
1:50,000
METRES
500 0 500 1000 1500 2000
LUSTDUST PROPERTY
CLAIMS
OMINECA M.D.
93N11
FIGURE 2

2.3 Physiography and Climate

The terrain is moderate ranging in elevation from 1000-1525 meters on the property. Lower elevations are covered by widely spaced lodgepole pine while at elevations above 1200 meters forest cover consists of overmature spruce and balsam. Summers are short and rainy while moderate snowfall winters persist from late September through April/May at these higher elevations.

2.4 History

The property has seen a number of operators since the original discovery of the #1 zone in 1944 and includes:

Date	Operator	Claims	Zone	Work
1944		Wow #1	Zone 1	No.1 zone discovered and staked.
1945	McKee Group Leta Expln.Ltd.	Wow #1	Zone 1	Trenching -106.7 meters of drifting.
1952-1954	Bralorne Mines Ltd.	Wow #1,MV1, MV2, M	Zone 1,2,3,4b	5306 m's of trenching and 1429 m's of drilling.
1960	Bralorne Mines Ltd. – Noranda, Canex J.V.	Wow #1, MV1,MV2, M	Zone 1,2,3,4b	7 rock cuts, 34 test pits, 1508 m's of cat trenching and 200 m's of hand trenching.
1963	Bralorne Mines Ltd.	Wow #1	Zone 1	Sampling
1964	Takla Silver Mines Ltd.	Wow #1	Zone 1	229 m's of drifting
1966	Takla Silver Mines Ltd.	Wow #1,MV1, M	Zone 1,3,4b	229 m's of underground ddh 762 m's of surface drilling
1968	Takla Silver Mines Ltd. Anchor Mines Ltd.	Wow #1	Zone 1	1337 m's of surface ddh 573 m's of underground ddh 90 kg bulk sample
1978	Granby Mining Corp.	MV1, MV2, K, L, M	Zone 1, 2, 3, 4, 4b	Pulse E.M. DDH

1980	Granby Mining Corp.	LM	Zone 1, 2, 3, 4b	airborne (mag, VLF), ground (mag,VLF), soil survey, 2 ddh's
1981	Noranda Expln. Co. Ltd.	LM	Zone 4b	8 ddh's (7 wildcat holes)
1986	Welcome North Mines Ltd.	Wow #1, MV 1 M	Zone 1, 3, 4b	Sampling
1986	Pioneer Metals	Wow #1, MV1, M	Zone 1, 2, 3, 4b	Geological Survey
1991	Alpha Gold	MV1	Zone 3	10 ddh's 906.6 m's
1992	Alpha Gold	L, M	Zone 4b	Trenching 30 ddh's- 1520 m's
1993	Alpha Gold	L,M	Zone 4b	24 ddh's-
1996	Teck Expln.	Lustdust	Zone 2,3,4,4b	Geology, soils, trenching
1997	Teck Expln.	Lustdust	Zone 1,3,4,4b	3062.8 m's of NQ ddh in 16ddh's

3. - 1998 Program

During 1998 the following work was completed:

1. 1,103 meters of NQ drilling were completed in 14 shallow holes.

2. 120 samples were split and analyzed for Au geochem and 30 element ICP along with assays where Au, Ag and Cu, Pb, and Zn where elevated.

4. GEOLOGY

4.1- Regional Geology

The property is located within Permian Cache Creek rocks directly west of the Pinchi fault which seperates Cache Creek rocks from the Jurassic Hogged Batholith and Takla rocks to the east. The Cache Creek sequence is believed to be a conformable Permian sequence approximately 3.0 km's thick (Armstrong 1946) consisting of a basal limestone sequence overlain by a argillaceous and chert dominated sequence. The units are strongly folded with a strong axial planar foliation along a north-northwest strike trend. The Pinchi fault can be traced for approximately 600 km's through central B.C. and is believed to have been initially a major thrust fault which was later reactivated as a large right lateral strike/slip fault.

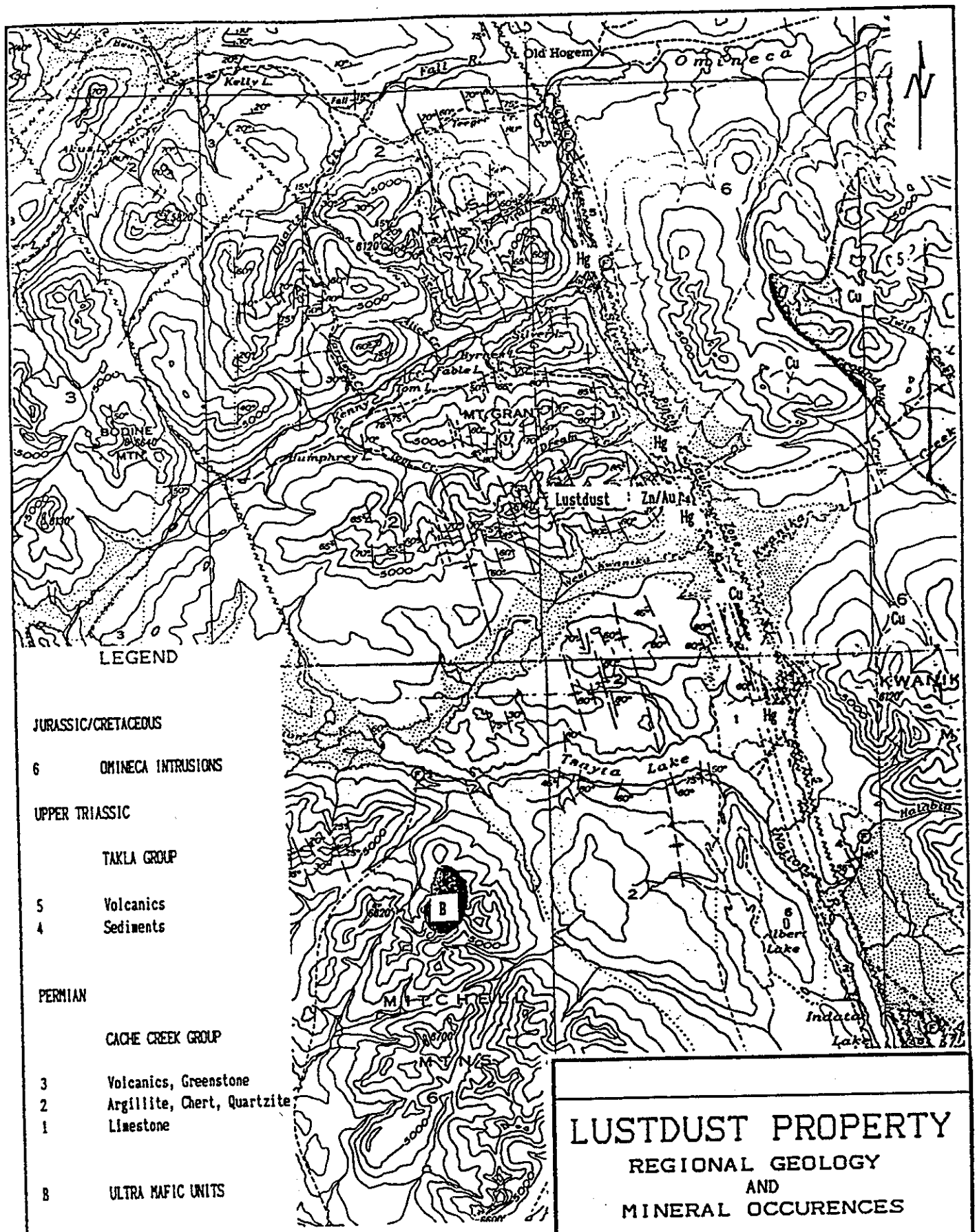
A number of Hg occurrences are present along the Pinchi fault along much of its length and a few Au and base metal occurrences are present within Cache Creek rocks near the Pinchi fault including; the Lustdust, Indata and Axelgold properties.

4.2- Property Geology

The Lustdust property is underlain entirely by Permian Cache Creek units which form overturned west dipping folds (north plunging) parallel to the north-northwest trending Pinchi fault which lies within 1 kilometer of the eastern property boundary. The property is dominated by the carbonate sequences with lesser interbedded and possibly overlying graphitic and calcareous phyllites. To date little evidence for previously mapped NE trending faults has been recognized but a number of thrust faults have been recognized.

In the NW corner of the property there is a ~1 square kilometer monzonite plug which corresponds to a small magnetic feature on the government airborne magnetic survey. This plug has a number of sills parallel with bedding extending from it and is the probable source of mineralization on the property. Proximal to the monzonite plug the phyllites are extensively hornfelsed and the carbonate is replaced by garnetite skarn and calc-silicate banding.

Several styles of mineralization are present on the property but appear genetically related to the monzonite plug. These include disseminated py, po, aspy in the monzonite stock and sills with low Au values, and garnetite skarn and calc-silicate bands with values in Cu, Zn, Au, Ag in proximal carbonate beds (#4 zone). Slightly more distal are structural and stratigraphically controlled replacement sulphide and oxide replacement bodies (zone 2, 3, 3 extension and 4b).



LEGEND

JURASSIC/CRETACEOUS

6 OMINECA INTRUSIONS

UPPER TRIASSIC

TAKLA GROUP

5 Volcanics
4 Sediments

PERMIAN

CACHE CREEK GROUP

3 Volcanics, Greenstone
2 Argillite, Chert, Quartzite
1 Limestone

B ULTRA MAFIC UNITS

MINERAL OCCURENCES

Zn/Au Lustdust
Hg Mercury
Cu Copper

1:253,440

0 km 5

LUSTDUST PROPERTY

REGIONAL GEOLOGY AND MINERAL OCCURENCES

OMINECA M.D.
93N11

FIGURE 3

These zones appear stratigraphically controlled by particularly permeable and karsted carbonate beds in close proximity to chlorite altered mafic tuff beds. Both the replacement and sulphosalt veins form in proximity to monzonite or felsic dykes which are generally axial planar. These zones also show signifigant thickening in the noses of antiforms and contain significant values of Au, Ag, Pb, Zn and Sb. The most distal style of mineralization is sulphosalt veins (zone 1) which follow faults and bedding plane structures and contain high values in Au, Ag, Pb, Zn and Sb.

4.3- Lithology

The units presented below are in no particular stratigraphic order and are presented for descriptive purposes:

Unit 1- Chert with Carbonaceous Phyllite

This unit is relatively rare and occurs within the carbonaceous phyllite package. Typically it is 1-2 cm laminated white-grey chert beds with graphitic bedding planes with bed thickness' rarely exceeding more than 2.0 meters in thickness. Occasional beds may have a light green hue due to the presence of minor chlorite, also it is common for 1-2% very fine-grained pyrite to be present in the matrix. Rare carbonate beds are present in this unit as 1-10 cm recrystallized white/grey limestone beds, which are more recessive.

Unit 1a-Silicified and Hornfelsed equivalent of Unit 1

Within 600-700 meters of the monzonite plug unit 1 becomes pervasively hornfelsed with a ribboned cherty appearance and graphitic partings become pervasively sericite altered. Disseminated py/po is generally enhanced in the 2-10% range.

Unit 2-Carbonaceous Phyllites

This unit tends to weather very recessively and is rarely exposed in outcrop but roads and trenching reveal it is a very common unit. The unit is a black fissile graphitic phyllite with partings 2-10mm apart. Original bedding is rare with a penetrative foliation being well developed. Occasionally primary bedding is seen with an increased carbonate content or more siliceous beds of Unit 1 present. This unit commonly has 3-10% very finely disseminated pyrite which in some sections forms moderate gossanous zones.

Unit 2a-silicified and sericite altered hornfels of unit 2

This unit becomes more intensely altered proximal to the monzonite intrusive and forms an aureole of about 500-600 meters of the exposed intrusive. They rocks are strongly silicified and albitized? And visually appear as cherts. There is a moderate sericite component preserved in foliation planes and occasional moderate graphite bands.

Typically this unit has 5-10% finely disseminated py, po and surface exposures are quite gossanous.

Unit 3- Mafic Tuff w/ limestone clasts

This unit(s)? is relatively rare but offers a very distinctive marker horizon within generally nondescript carbonate units. The unit consists of well-foliated chlorite laminations with boudins or fragments of limestone 1-5 cm in length in discrete beds. The unit contains a moderate amount of interstitial calcite and minor amounts of sericite, with up to 2% finely disseminated pyrite.

Unit 4- Limestone Grey/White Crystalline

This unit covers much of the property and forms massive non descript grey-white outcrops of 1 mm calcite crystals, bedding is very rare.

Unit 4a- Silicified Limestone- This subunit is rare but is a more distinctive unit with pervasive moderate white silicified matrix with 1-4 mm quartz veinlets.

Unit 4b- Dolomite- Also a rare unit consisting of a fine grained light grey matrix which does not react well to HCL acid, likely due to dolomite content.

Unit 4c- Calcite Knot Limestone- Quite a common unit with boudins or fragments of calcite in a limestone matrix. These boudins range from 1-10 cm in length and maybe a primary debris flow within the limestones.

Unit 5- Garnetite Skarn

A very distinct unit which is localized in the northern portion of the property proximal to the monzonite intrusive. It is an alteration product of almost complete replacement of limestone by the monzonite stock and sills and contacts with limestone are sharp. The unit consists of 1-30 mm brown-green garnets with little or no matrix (minor sericite and calc.silicates). Where exposed the unit often decomposes into gravel consisting of well-formed garnets. The matrix commonly contains 2-20% disseminated py, po 1-5% specular hematite, 1-2% aspy, trace-1% sp,cp,sb.

Unit 5a- Calcsilicates- Beds of this subunit are present within the garnetite skarn and are variable bedded siliceous, garnet-diopside, marble beds on a 1-10 cm. scale. Sulphides are present in the 5-20% range comprised of py, po, aspy, sp, cp, sb in descending order.

Unit 6- Felsic Dykes

These dykes and sills are common throughout the property and vary from 1-10 meters in width and display good strike continuity. No wholerock work has been done to date but gradational field relationships indicate these rocks are a fine-grained equivalent of the monzonite.

These sills have an aphanitic felsic matrix w/ 10-20% 1-3mm plagioclase phenocrysts and occasional hornblende, biotite, and quartz phenocrysts.
These rocks are commonly silicified and weakly to moderately sericite altered, and rarely chlorite altered. They contain between 5-25% disseminated py, po, aspy with occasional traces of chalcopyrite, stibnite and galena. These sills appear to directly related to mineralization and are present within or proximal to skarns, replacements and sulphosalt veins.

Unit 7- Monzonite Dykes/Stock

This lithology is exposed mainly in the nortwestern portion of the property where a approx. one square kilometer stock of medium grained monzonite is poorly exposed. The age of this intrusive is uncertain but is probably of Mesozoic-Tertiary age. The rock is an equigranular unit with phenocrysts ranging in size from 2-8 mm, dominated by plagioclase with lesser hornblende, biotite and quartz phenocrysts. A fine matrix is normally pervasively sausaritized or sericitized to a moderate degree as are the plagioclase phenocrysts. Contact phases and large sills are commonly strongly sericite and argillically altered with elevated base and precious metal values.

Unit 7a- Feldspar Megacrystic Dykes

This unit is quite common throughout the property and is compositionally equivalent to the monzonite. a distinctive feature is the 1.0-1.5 cm crowded plagioclase phenocrysts in a pottasic? matrix.

Unit 8 - Mafic Dykes

These dykes are reported by previous operators but were not seen in the present program.

Unit 9- Massive Sulphides

Massive sulphides consist of 80-95% fine grained to coarse-grained sulphide masses in a carbonate-barite? gangue. Sulphides vary markedly with contacts on a .5 cm scale from fine-grained pyrhotite to coarse-grained pyrite, sphalerite and stibnite. There is a complex timing to sulphide phases but at this time it is poorly understood.

Laminated textures are uncommon with a general composition comprised of irregular blocks of sulphides which rapidly grade into sulphides of varying composition and interfingered karsted limestone blocks are common.

Unit 9a- Oxides

Oxides are common on the property and their origin remains debatable as to whether they represent surface oxidation or a primary hydrothermal effect during the mineralizing system.

Two common varieties of sulphides are seen one being a low specific gravity type with a yellow/orange/light brown coloration and the other being a moderate specific gravity bright red/brown oxide with remnant sulphide blocks.

These oxides are composed of limonite and hemimorphite with variable amounts of manganese. To date the yellow oxides appear to assay higher values in Zn but all samples carry values in Au, Ag, Pb, Zn, Sb and As.

4.4- Structure

The stratigraphy strikes N-NW with generally vertical to moderate westerly dips. Very little bedding is preserved and structural information is generally rare on the property. There is an abundance of Cache Creek carbonates on the property which appear to be both underlain and overlain by graphitic phyllite/chert sequences. Previous operators have mapped numerous NE trending faults with significant lateral? offsets which have not been recognized to date. These NE trending faults reportedly had a number of felsic and monzonitic dykes aligned along them and the 1996 work observed the dykes were generally axial planar or at very low angles to bedding and with additional work this continues to be the case. Numerous axial planar faults are present including thrust faults (i.e. the west side of the 4b zone) which are moderate west dipping. These thrust faults and the folding mentioned next are likely related to proximity to the large Pinchi Fault which is located near the eastern property border.

With rare bedding information the fold behavior has been difficult to unravel on the property. A number of small scale 1-200 cm folds and larger 10-100 meter folds were located and often are the focus of mineralization. Mapping on a larger scale emphasizes an abundance of carbonates on the southern portion of the property decreasing to the north and this is believed to be due to a shallow-moderate northerly plunge of the sequence.

Regionally folds are typically open but on the Lustdust property folds while not isoclinal are generally overturned with moderate west dipping western limbs and steep west dipping narrow eastern limbs.

This is likely due to proximity to the Pinchi Fault which is believed to have been a major early thrust fault before significant right lateral offset. These folds where observed have a 10-60 degree N-NW plunge and as mentioned some axial planar thrusts are present. The noses of antiforms and potentially synformal hinges are structurally thickened and appear favorable for enhanced thicknesses of mineralization.

4.4- Mineralization

For continuity purposes the various zones on the property have retained their various historic numbers namely the, #1, 2, 3, 3 extension, 4, and 4b zones. As previously mentioned all mineralization appears to form a continuous system grading from proximal skarns, hornfels and porphyry? systems in the northwest through sulphide and oxide replacement systems in the central portion of the property to distal sulphosalt zones such as the #1 zone.

5. - 1998 Diamond Drilling

From the period August 14 through August 22, 1998 LDS drilling of Kamloops completed 1103 meters of NQ drilling in 14 holes on the property. These holes will be discussed in this section by their locations on the various zones and not necessarily in the order they were drilled. Paul Matinen a well experienced geological consultant from Reno Nevada supervised the drill program and logged the drill core and directed the sampling.

#1 ZONE –1998 Diamond Drilling

(a)-Section 10+00N – LD-98-01 (fig.5)

This single hole tested #1 zone mineralization in an area tested previously by holes LD-97-13 and LD-97-14. The hole was drilled at –50 degrees to the west from the collar of LD-97-14. The hole encountered a narrow high-grade massive sulphide section on the footwall of a felsic dyke. This was over a core section of 3.8 m's with the only significant result an interval from 9.7-9.9 m's (0.2 m's) grading 2.53 g/t Au, 152.3 g/t Ag with 5.72% Pb, 3.60% Zn and 4.72% Sb. This is a new sulphide discovery in the footwall of a felsic dyke within limestone that probably corresponds to the upper dyke encountered in LD-97-13. The significance of the hole is it confirms the westerly dip and fold patterns of the rock units and that there is at least two mineralized zones within this section associated with felsic dykes which are generally axial planar.

Lmst
SECTION 10 + 00N
(PLANE OF SECTION 090)
LOOKING N
1450
(-50°)
98-01
RC.
Lmst
9a 4c
6
LD-97-13
Lmst bx
2
4c
6
4c
4c
4c
LMST BX
59.7m EOH
G/P
Felsic dyke
6
2
2+/-3
4c
LD-97-14
10+N
182.0m
-55°
4
Grey lmst
Felsic dyke
2
6
9
G/E
2
FAULT W/ VEIN #1 ZONE ?
G/P
1400
6
Felsic dyke
6
0
10.0
20.0m
LEGEND
Mesozoic - Tertiary
9 MASSIVE SULPHIDES po, py, sp, as, sb, ga
9a oxides limonite/ manganese
8 MAFIC DYKES
7 MONZONITE DYKES / STOCK +/- Biotite, hornblende
7a Feldspar Megacrystic
6 FELSIC DYKE carb altered monzonite (fine grained)
5 GARNET SKARN +/- py, specular hematite, cp, sp, asp
5a calc silicates
Permian
4 LIMESTONE Grey / white crystalline
4a silicified 4b dolomite 4c calcite knots breccia
3 MAFIC TUFF with limestone clasts
2 CARBONACEOUS PHYLLITES
2a biotite / siliceous hornfels (albite?)
1 CHERT +/- Carbonaceous Phyllites
a1 silicified +/- sericite hornfels

Fig. 5

(b)- Section 8+67N – LD-98-13&14 (fig.6)

These two holes tested a #1 style vein down dip midway between the portal and section 10+00N. These holes are difficult to interpret and indications are that LD-98-14 drilled close to downdip, this emphasizes holes drilled @ 55-70 degrees to the west should be avoided unless testing mineralization in fold noses. Hole LD-98-13 encountered the sulphosalt vein on the hangingwall side of a felsic dyke, which likely is equivalent to the surface showing. This zone was sampled from 48.6-49.8 m's (1.2 m's) grading 0.58 g/t Au, 53.7 g/t Ag, 0.35% Pb, 0.68% Zn and 0.73% Sb. Grades are lower than the surface showing due to dilution by limestone (only 10-20% sulphides). Hole LD-98-14 encountered in excess of 40.0 m's of core length of fractured and faulted mineralization within a felsic dyke. This appears to be largely downdip in a fault and split? in the felsic dykes. Nevertheless this is a significant new discovery in a zone with a possible 8.0-10.0 meter true width. Some of the more significant intersections include:

58.3-61.2 m's (2.9 m's) grading 2.72 g/t Au, 145.2 g/t Ag, 1.37% Pb, 2.54% Zn

80.7-83.0 m's (2.3 m's) grading 2.04 g/t Au, 838.1 g/t Ag, 1.68% Pb, 0.58% Zn

Numerous other lower values were present in this zone which will require additional testing from the west to determine the true width and continuity of the zone. Again this drilling reinforces the multiple vein systems as part of the #1 zone and their close association with felsic dykes.

#2 ZONE –1998 Diamond Drilling

Section 10+40N – LD-98-02&03(fig.7)

The only holes in the 1998 program to test the #2 zone was LD-98-2 & 3. These holes were drilled to the west and appear to have encountered a strongly folded west dipping limb of mafic tuffs with oxides in the footwall downdip of trench 96-30. This is likely the downdip extensions of the #2 zone which occupies a similar environment to the #3 zone with a slightly more distant felsic dyke. No economic values were encountered but anomalous Au, Ag and Zn are present. This area is believed to be the west limb of a synform but the small scale folds seen in this section offer excellent structural traps and further work in this area is warranted.

#3 ZONE-1998 Diamond Drilling

Section 10+70N – LD-98-05&, 06&, 07 (fig.8)

These holes tested the southwestern limits of the known #3 zone in the area of trench 96-29. Hole LD-98-05 tested to the west under the oxide zone trench.

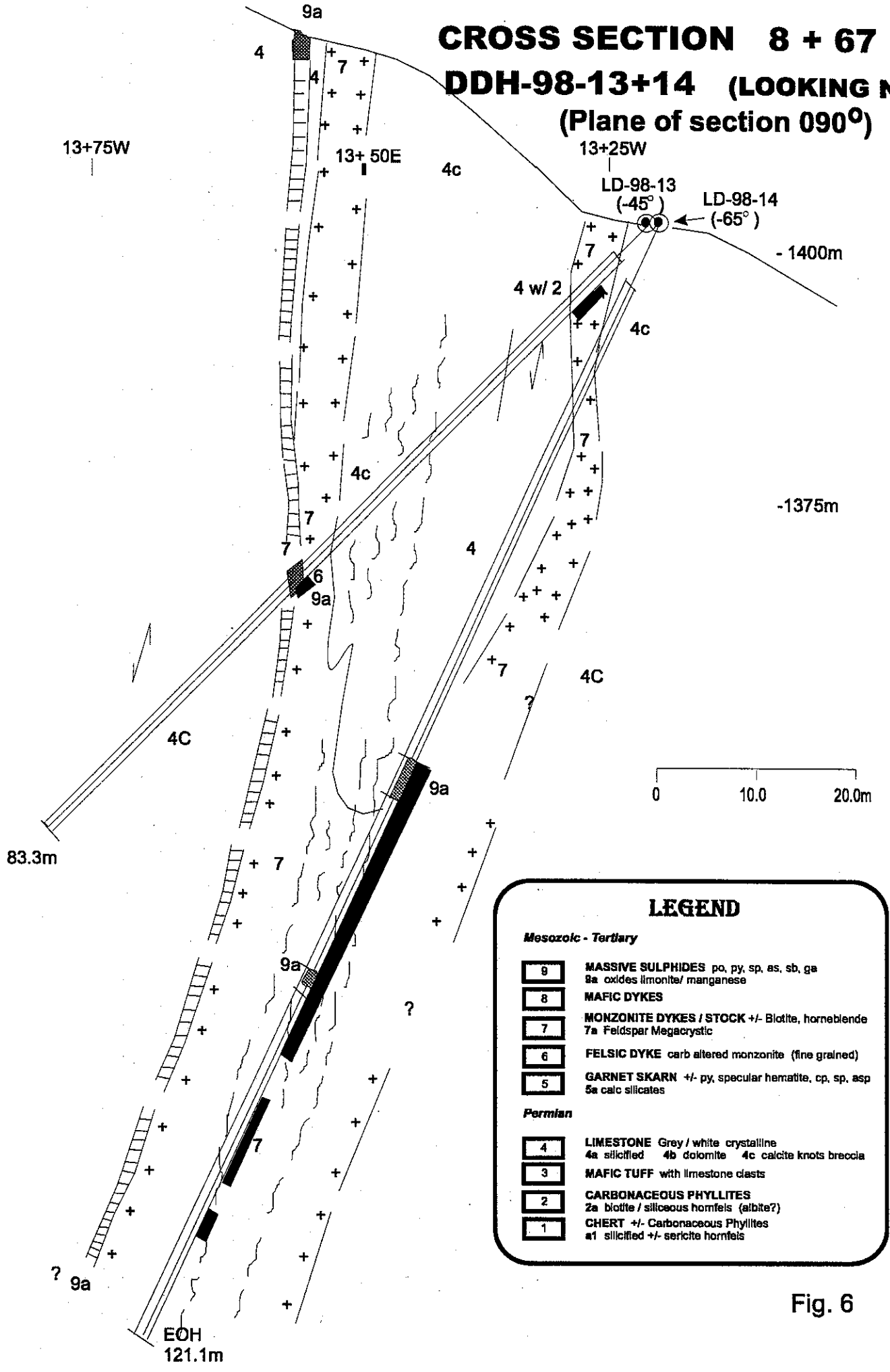
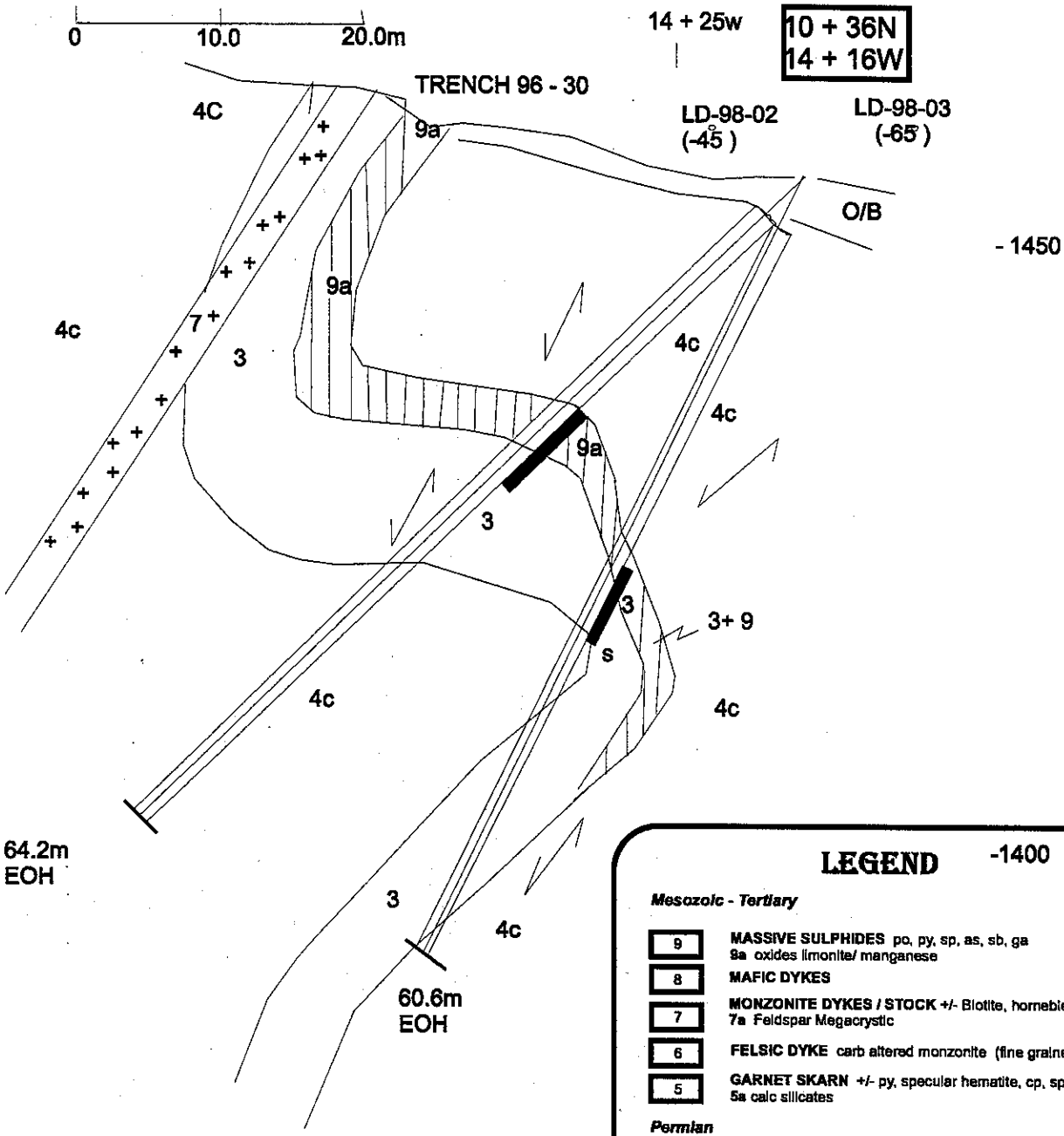

CROSS SECTION 8 + 67 N
DDH-98-13+14 (LOOKING N)
(Plane of section 090°)
13+75W
13+ 50E
13+25W
LD-98-13
(-45°)
LD-98-14
(-65°)
- 1400m
-1375m
4 w/ 2
83.3m
EOH
121.1m
0
10.0
20.0m
LEGEND
Mesozoic - Tertiary
9 MASSIVE SULPHIDES po, py, sp, as, sb, ga
9a oxides limonite/ manganese
8 MAFIC DYKES
7 MONZONITE DYKES / STOCK +/- Biotite, horneblende
7a Feldspar Megacrystic
6 FELSIC DYKE carb altered monzonite (fine grained)
5 GARNET SKARN +/- py, specular hematite, cp, sp, asp
5a calc silicates
Permian
4 LIMESTONE Grey / white crystalline
4a silicified 4b dolomite 4c calcite knots breccia
3 MAFIC TUFF with limestone clasts
2 CARBONACEOUS PHYLLITES
2a biotite / siliceous hornfels (albite?)
1 CHERT +/- Carbonaceous Phyllites
a1 silicified +/- sericite hornfels

Fig. 6

LD-98-02 + 03 SECTION 10 + 40n

(PLANE OF SECTION 090) LOOKING N



LEGEND -1400

Mesozoic - Tertiary

- 9 — **MASSIVE SULPHIDES** po, py, sp, as, sb, ga; 9a oxides limonite/ manganese
- 8 — **MAFIC DYKES**
- 7 — **MONZONITE DYKES / STOCK** +/- Biotite, hornebiende; 7a Feldspar Megacrystic
- 6 — **FELSIC DYKE** carb altered monzonite (fine grained)
- 5 — **GARNET SKARN** +/- py, specular hematite, cp, sp, asp; 5a calc silicates

Permian

- 4 — **LIMESTONE** Grey / white crystalline; 4a silicified 4b dolomite 4c calcite knots breccia
- 3 — **MAFIC TUFF** with limestone clasts
- 2 — **CARBONACEOUS PHYLLITES**; 2a biotite / siliceous hornfels (albite?)
- 1 — **CHERT** +/- Carbonaceous Phyllites; a1 silicified +/- sericite hornfels

Fig. 7

Section 10 + 70N Approx (070° Plane of Section)
LD-98-05,06,07 Looking NW

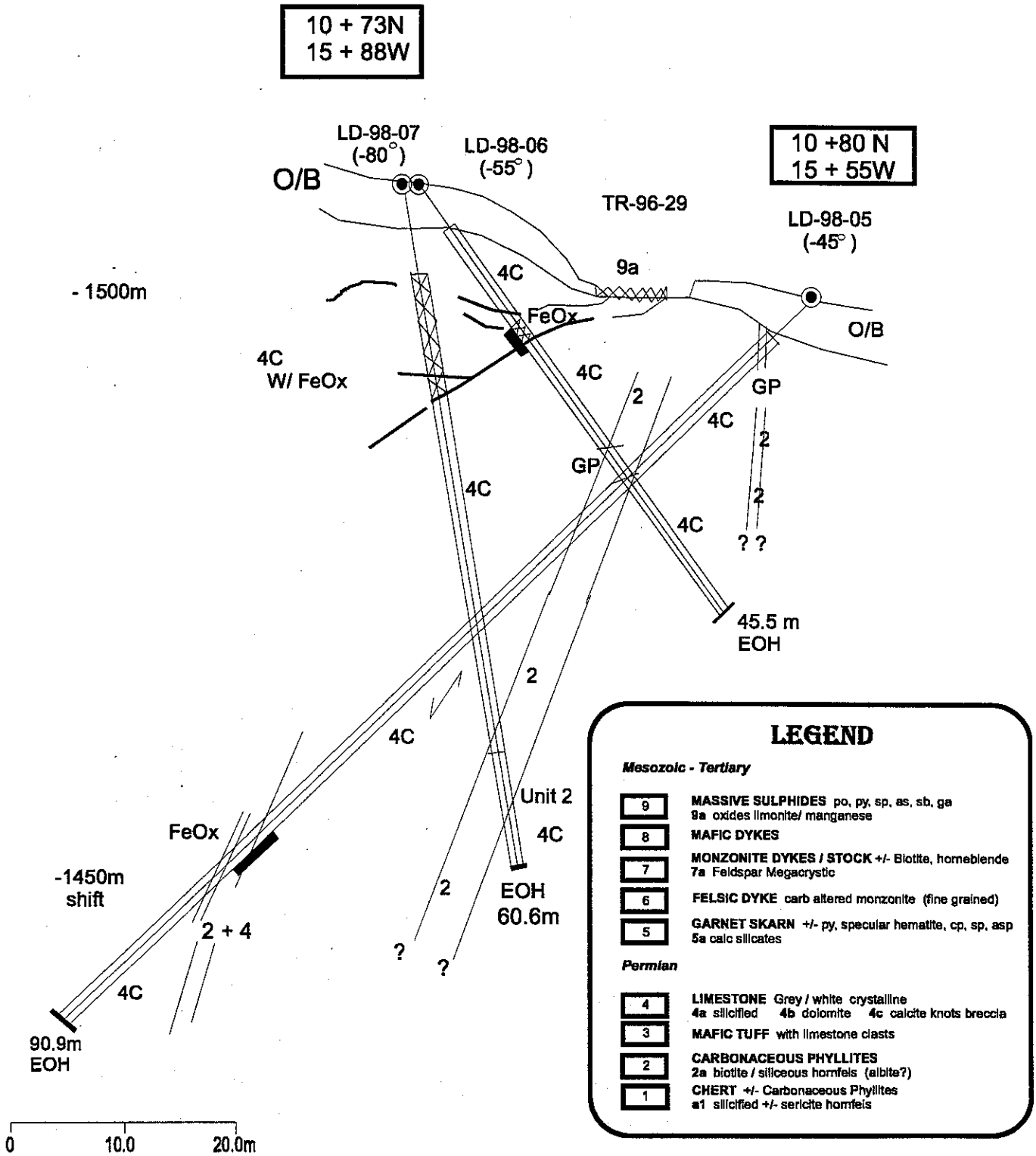


Fig. 8

This hole encountered three narrow beds of graphitic phyllite with minor oxides within the limestone breccia unit. Only weakly elevated values were encountered in this hole which does not appear to encounter any downdip extensions of the trench. Holes 6&7 test for downdip extensions of the trench area by drilling to the east. Both holes encountered minor to moderate amounts of oxides hosted within limestone. Oxides within LD-98-07 were not significant enough to sample but in LD-98-06 an interval from 15.0-16.7 m's (1.7 m's) graded 8.53g/t Au, 42.99g/t Ag, 1.42% Pb and 4.03% Zn. This suggests the trench area is a shallow west dipping zone within limestone with a noticeable absence of mafic tuffs and felsic dykes.

Section 11+40N – LD-98-08&09&10 (fig.9)

These holes complete a section of the #3 zone approximately 65 m's north of the previous section and reveal a similar pattern. The mafic tuffs overlying the main #3 zone are present and overly the oxides and appear to dip shallowly to the west although this dip is exaggerated due the acute angle of drilling. Holes LD-98-08&09 test the zone from the same pad by drilling to the east and encountered a number of oxide zones and the correlations made are only tentative. Any shallow west dipping equivalent of the 96 trenching appears weak with no significant values. A more significant oxide appears below a felsic dyke with a shallow west dip which would project to surface near the road at the collar of LD-98-10. In LD-98-08 an interval from 56.4-62.1m's (5.7m's) graded 0.02g/t Au, 7.26g/t Ag, 0.08% Pb and 3.66% Zn. Shorter lengths ran higher values with a strong dilution due to limestone ribs in this section. This is a significant new zone and may well correlate with oxides in LD-98-06&07 with persistent but somewhat erratic grades. Numerous areas of oxides make these correlations only tentative. Hole LD-98-10 drilled to the west and appears virtually downdip and emphasizes the ineffectiveness of holes drilled to the west at moderate dips.

Section 11+80N – LD-98-11 (fig.10)

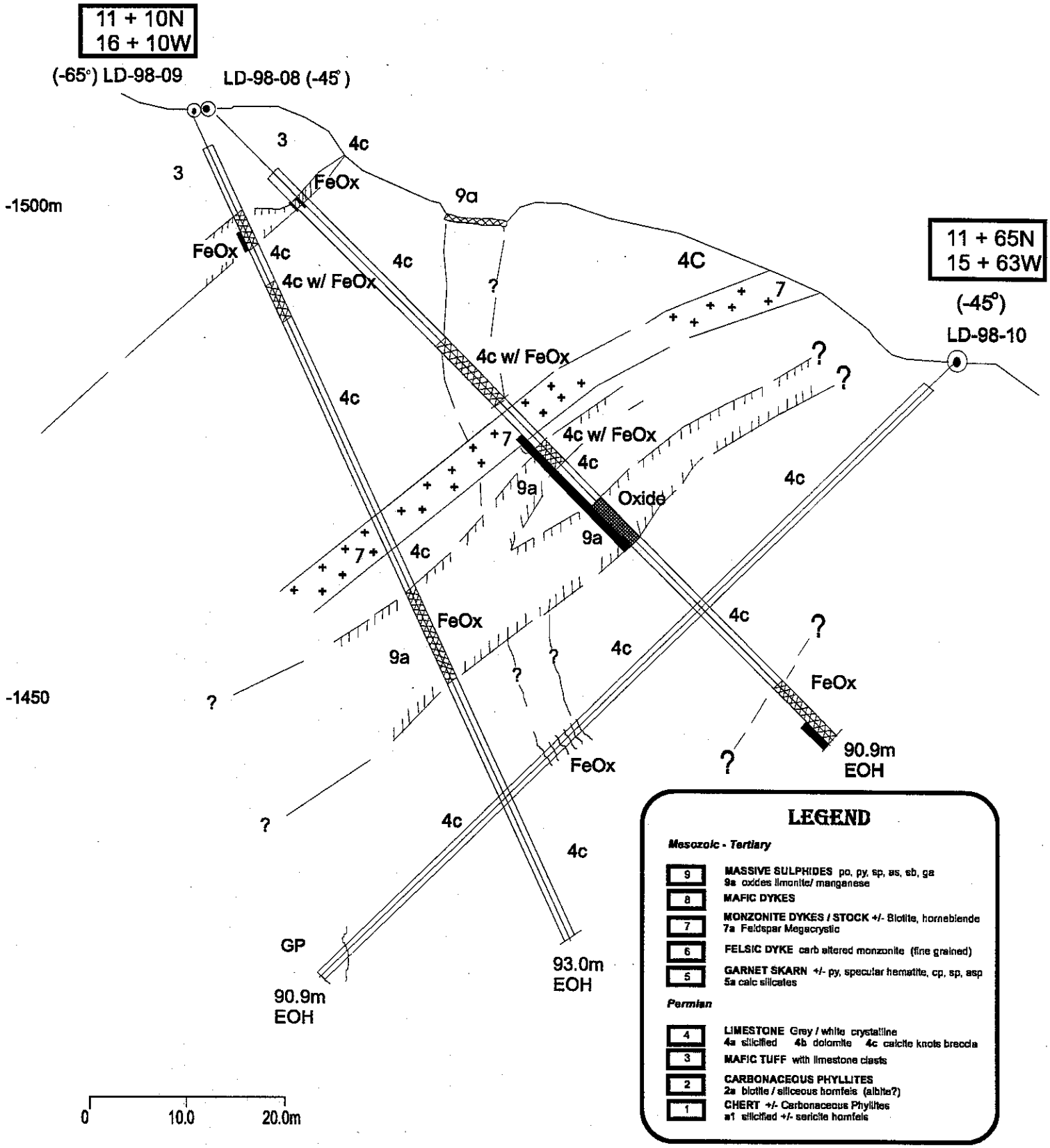
Only hole #11 was drilled on this section and encountered only a narrow oxide zone below the trench area with only weakly anomalous values. From the drilling to date grades and continuity of the oxides appears highly variable. The felsic dyke seen in holes 08 & 09 is present deeper in the hole and minor oxides with anomalous values are present within a faulted portion of the dyke. The lower oxide zone below the dyke seen in holes 08 & 09 appears absent in this section or maybe below the end of the hole.

Section 12+35N – LD-98-04 (fig.11)

Hole #4 drilled essentially downdip to the west and again emphasizes this orientation should not be used. The fortuitous feature of this hole was its proximity to the footwall of the felsic dyke seen in the previous two sections and the hole did encounter several sections of oxides within limestone.

Section 11 + 40N Approx (040° Plane of section)

LD-98-08,09,10 Looking NW



LEGEND

Mesozoic - Tertiary

- 9 — **MASSIVE SULPHIDES** po, py, sp, as, sb, ga; 9a oxides limonite/ manganese
- 8 — **MAFIC DYKES**
- 7 — **MONZONITE DYKES / STOCK** +/- Biotite, hornebiende; 7a Feldspar Megacrystic
- 6 — **FELSIC DYKE** carb altered monzonite (fine grained)
- 5 — **GARNET SKARN** +/- py, specular hematite, cp, sp, asp; 5a calc silicates

Permian

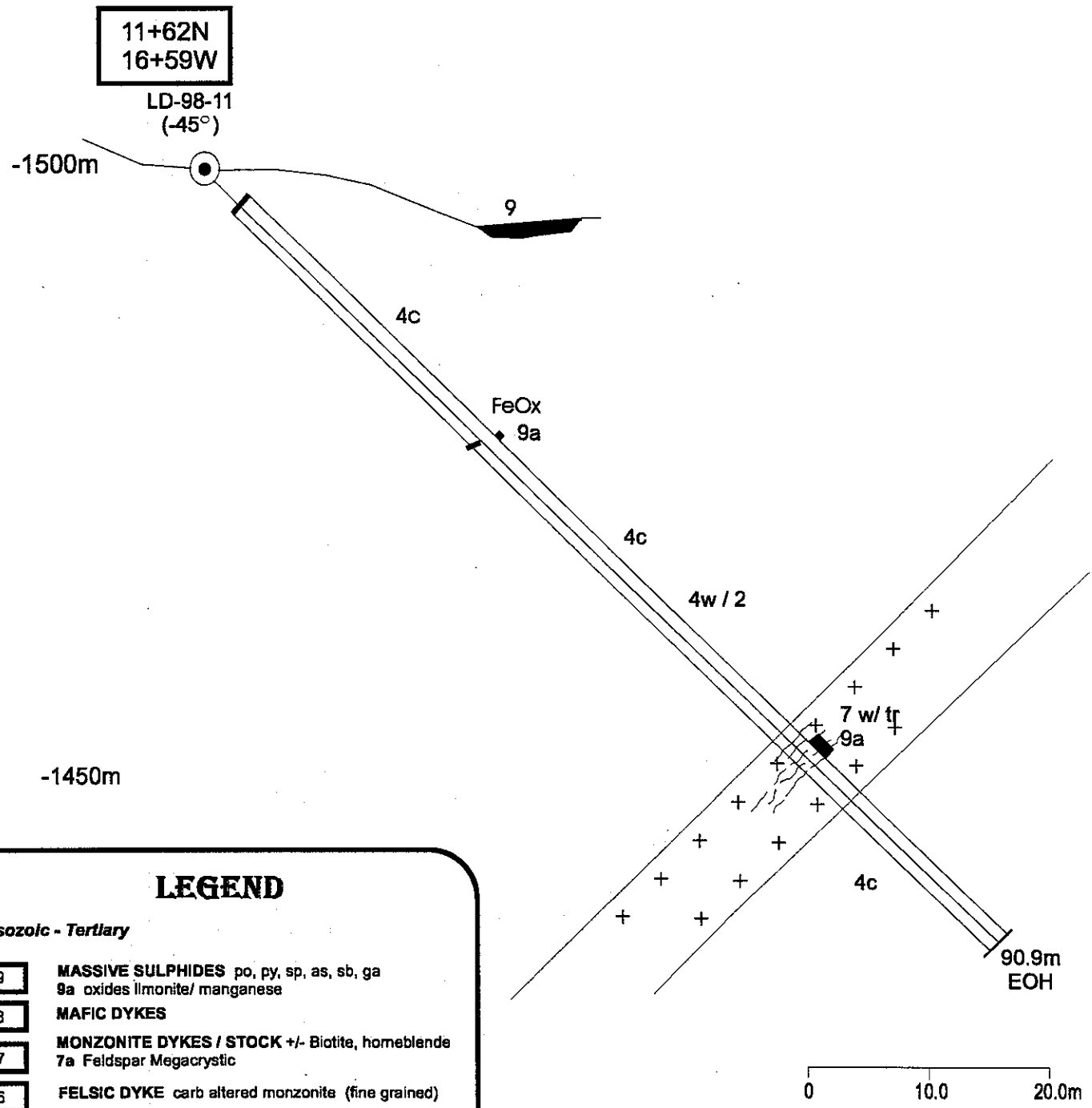
- 4 — **LIMESTONE** Grey / white crystalline; 4a silicified 4b dolomite 4c calcite knots breccia
- 3 — **MAFIC TUFF** with limestone clasts
- 2 — **CARBONACEOUS PHYLLITES**; 2a biotite / siliceous hornfels (albite?)
- 1 — **CHERT** +/- Carbonaceous Phyllites; a1 silicified +/- sericite hornfels

Fig. 9

Section 11 + 80N Approx (Plane of Section 050°)

LD-98-11

LOOKING NW



LEGEND

Mesozoic - Tertiary

- 9 — **MASSIVE SULPHIDES** po, py, sp, as, sb, ga; **9a** oxides limonite/ manganese
- 8 — **MAFIC DYKES**
- 7 — **MONZONITE DYKES / STOCK** +/- Biotite, homeblende; **7a** Feldspar Megacrystic
- 6 — **FELSIC DYKE** carb altered monzonite (fine grained)
- 5 — **GARNET SKARN** +/- py, specular hematite, cp, sp, asp; **5a** calc silicates

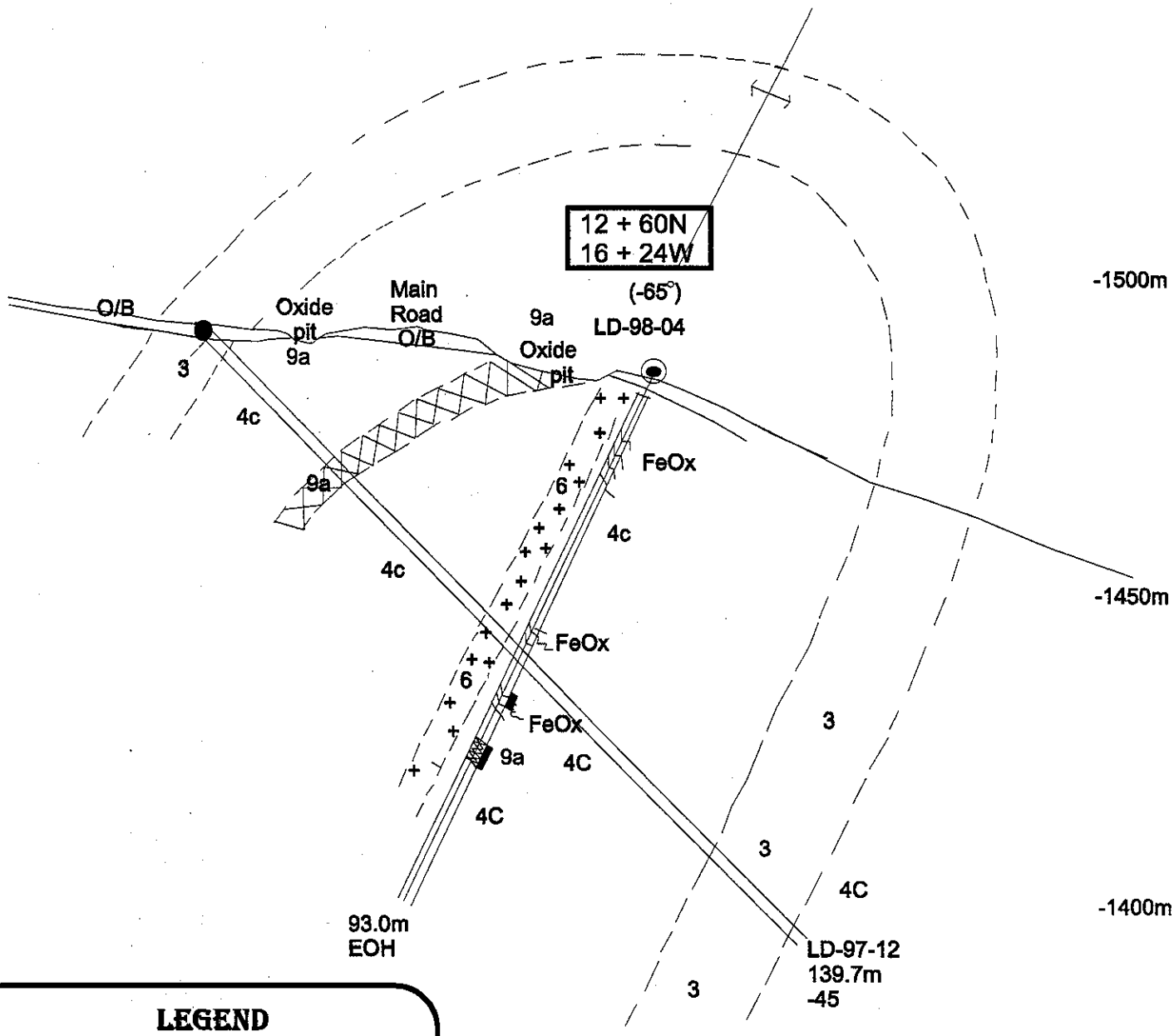
Permian

- 4 — **LIMESTONE** Grey / white crystalline; **4a** silicified **4b** dolomite **4c** calcite knots breccia
- 3 — **MAFIC TUFF** with limestone clasts
- 2 — **CARBONACEOUS PHYLLITES**; **2a** biotite / siliceous hornfels (albite?)
- 1 — **CHERT** +/- Carbonaceous Phyllites; **a1** silicified +/- sericite hornfels

Fig. 10

Section 12 + 35N Approx (Plane @ 060°)

Looking NW



LEGEND

Mesozoic - Tertiary

9	**MASSIVE SULPHIDES** po, py, sp, as, sb, ga **9a** oxides limonite/ manganese
8	**MAFIC DYKES**
7	**MONZONITE DYKES / STOCK** +/- Biotite, horneblende **7a** Feldspar Megacrystic
6	**FELSIC DYKE** carb altered monzonite (fine grained)
5	**GARNET SKARN** +/- py, specular hematite, cp, sp, asp **5a** calc silicates

Permian

4	**LIMESTONE** Grey / white crystalline **4a** silicified **4b** dolomite **4c** calcite knots breccia
3	**MAFIC TUFF** with limestone clasts
2	**CARBONACEOUS PHYLLITES** **2a** biotite / siliceous hornfels (albite?)
1	**CHERT** +/- Carbonaceous Phyllites **a1** silicified +/- sericite hornfels

Fig. 11

The best grades in this hole was an interval from 62.7-64.8 m's (2.1 m's) grading 0.028 g/t Au, 11.4 g/t Ag, 0.12% Pb and 9.8% Zn. This zone correlates well with the new oxide zone encountered in LD-98-08 in the footwall of the felsic dyke. This new zone appears to be in the core of the main antiform of the #3 zone while the bulk of the main #3 zone occupies the footwall of the mafic tuffs of the west limb. It is possible that the fold nose where these two zones would merge is responsible for forming the main #3 zone.

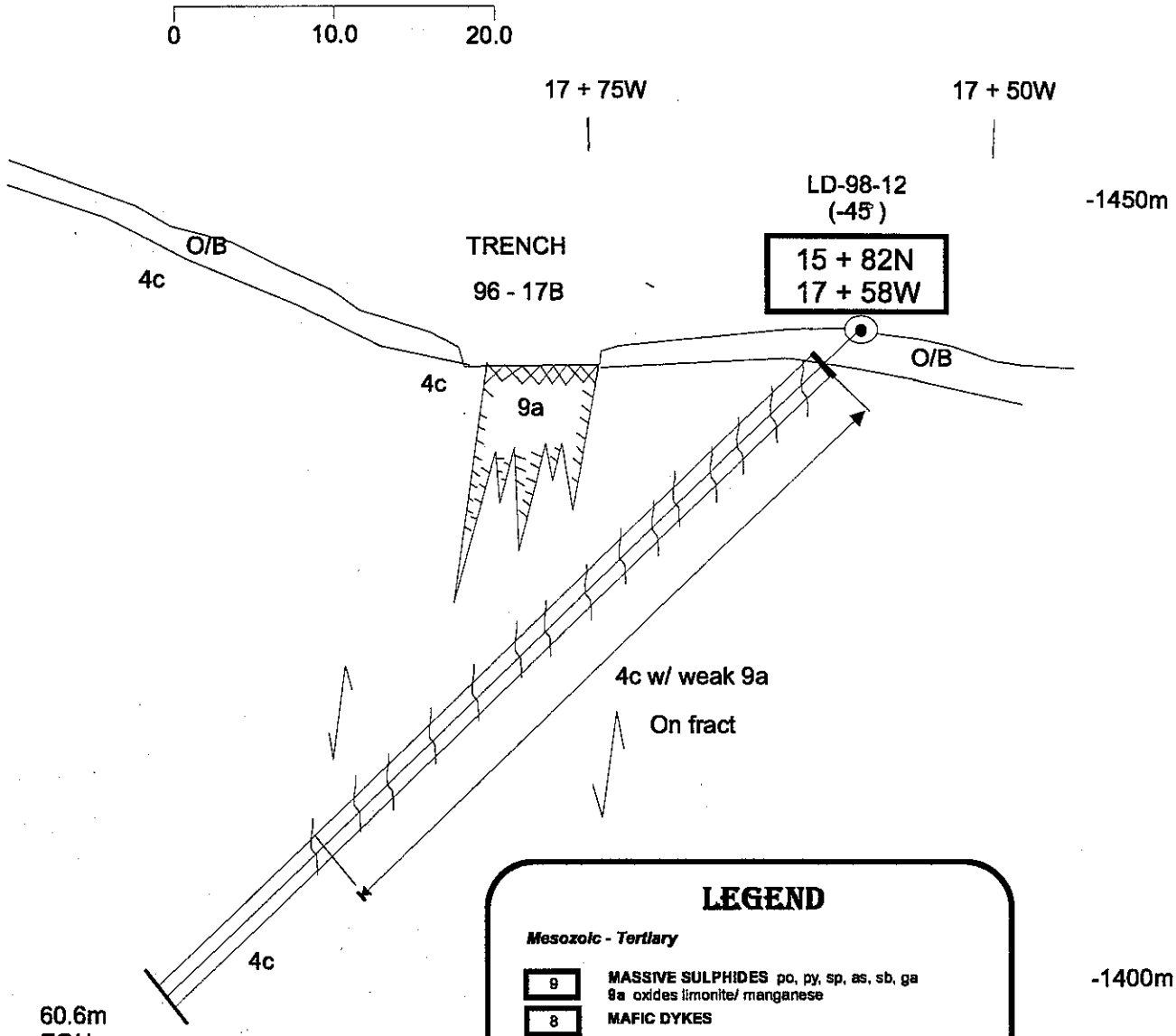
#3 Extension Zone

Section 15+82N – LD-98-12 (fig.12)

Hole 98-12 was the only hole of this program to test the #3 extension zone. This hole while drilled to the west appears to have effectively tested the downdip extension of the zone. Widespread minor amounts of oxides were encountered but no significant zone or grades were found. This emphasizes the erratic nature of oxides in this zone possibly due to the absence of felsic dykes in this section.

LD-98-12 SECTION 15 + 82N

(PLANE OF SECTION 090°) LOOKING N



LEGEND

Mesozoic - Tertiary

- 9 — **MASSIVE SULPHIDES** po, py, sp, as, sb, ga; **9a** oxides limonite/ manganese
- 8 — **MAFIC DYKES**
- 7 — **MONZONITE DYKES / STOCK** +/- Biotite, horneblende; **7a** Feldspar Megacrystic
- 6 — **FELSIC DYKE** carb altered monzonite (fine grained)
- 5 — **GARNET SKARN** +/- py, specular hematite, cp, sp, asp; **5a** calc silicates

Permian

- 4 — **LIMESTONE** Grey / white crystalline; **4a** silicified **4b** dolomite **4c** calcite knots breccia
- 3 — **MAFIC TUFF** with limestone clasts
- 2 — **CARBONACEOUS PHYLLITES**; **2a** biotite / siliceous hornfels (albite?)
- 1 — **CHERT** +/- Carbonaceous Phyllites; **a1** silicified +/- sericite hornfels

Fig. 12

7. Conclusions & Recommendations

The 1998 drilling continued to encounter numerous and often new zones of mineralization in the #1, #2, #3 and #3 extension areas. Drilling to the west with moderate dips was shown to be rarely effective and should generally be avoided and drilling should be kept to E-W sections till the complex folding and stratigraphy is resolved. As is usually the case on this property new zones of potentially economic mineralization continue to be found and explored. The program also emphasizes the structural complexity and erratic nature of the mineralization and great care must be taken in planning future programs.

The #1 zone is now known to extend over a minimum strike length of 450 meters (and remains open on strike and down dip) and the present program has confirmed that multiple veins of #1 style sulphosalt veins exist. These veins are closely associated or within felsic dykes which are axial planar. Holes such as LD-98-14 indicate economic grades may reach widths of up to 8.0-10.0 meters true width. Hole #14 requires additional drilling from the west to confirm grades and widths and the entire #1 zone area requires additional drilling after a detailed compilation of the data is done to select optimal targets.

Drilling in the #2 area suggests oxides are in the footwall of mafic tuffs in a scenario analogous to the #3 zone and additional work is warranted (particularly if the felsic dyke moves closer to the tuffs).

The west limb of the #3 zone was traced an additional 170 meters of strike length to the south with erratic values within a west dipping zone below mafic tuffs. Additional work below trenches of strong mineralization should be continued. Of perhaps greater interest is a new "blind" discovery of oxides below a west dipping felsic dyke. This zone was encountered in holes LD-98-04, 08, and 09 and should have additional drilling.

The #3 extension zone has had little success to date and should be considered a lower priority target area than the others mentioned.

8. References

Armstrong, J.E., G.S.C. Map 844 A, 1945

Brondlund, E.B., Report on the Lustdust property, 1960

James, D.H., Wilkinson, W.J., Geology and Geochemistry of the K,L, M Mineral claims, 1979, A.R. # 7059.

Johnson, D., Report on trenching, diamond drilling and geophysical surveying on the Lustdust Property. 1993.

Leahey, M.H., Grid control, Geophysics, Geochemistry, Geology and diamond drilling on the Lustdust property, 1981. A.R. # 9937

Wilkinson, W.J., Diamond Drilling Report, L & M Mineral Claims, Lusdust Property, 1979. A.R.# 7759.

Rotzien, J., Drilling Report on the 1991 Exploration of the Lustdust Property, 1992.

APPENDIX 1

DRILL LOGS

LUSTDUST 1998 DRILLING PROGRAM

SAMPLE #	HOLE #	METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
31651	LD-9801	9.1 - 9.7	0.6	91	3.7	320	1453	772	262
52		9.7 - 9.9	0.2	2528	152.3	5.72%	3.60%	7252	4.78%
53		9.9 - 11.4	1.5	29	2.0	152	658	252	95
54		11.4 - 12.9	1.5	16	<0.2	19	71	83	20
55		20.6 - 21.8	1.2	87	<0.2	58	112	129	83
56	LD-98-02	22.4 - 23.9	1.5	22	1.1	59	385	120	85
57		23.9 - 25.4	1.5	21	0.9	27	420	96	177
58		25.4 - 26.9	1.5	13	<0.2	26	140	118	53
59		26.9 - 28.4	1.5	67	<0.2	10	188	188	19
60		28.4 - 29.9	1.5	392	<0.2	21	166	236	13
61	LD-98-03	30.3 - 31.8	1.5	17	5.3	23	225	1.87%	106
62		31.8 - 33.3	1.5	<5	<0.2	7	96	91	11
63		33.3 - 34.8	1.5	24	0.6	11	163	94	14
64	LD-98-04	55.6 - 58.5	2.9	17	0.5	90	1173	150	67
65		62.7 - 64.8	2.1	28	10.4	1192	9.8%	2406	176
66	LD-98-06	15.0 - 16.0	1.0	14.23 ppm	62.3	2.35%	2.96%	5.38%	1560
67		16.0 - 16.7	0.7	491	15.4	6236	5.58%	2.45%	390
68	LD-98-05	66.4 - 67.9	1.5	96	0.4	20	132	78	16
69		67.9 - 69.4	1.5	26	1.3	12	39	55	8
70		69.4 - 70.3	0.9	19	1.4	4	35	30	7
71		70.3 - 71.5	1.2	259	<0.2	26	360	165	67
72	LD-98-09	13.3 - 15.0	1.7	15	0.2	6	790	53	7
73	LD-98-08	12.4 - 13.5	1.1	9	<0.2	21	925	64	10
74		44.8 - 46.4	1.6	8	<0.2	10	66	34	6
75		56.4 - 57.9	1.5	28	11.4	1525	3.87%	2845	357
76		57.9 - 59.1	1.2	6	<0.2	17	429	56	24
77		59.1 - 60.3	1.2	30	12.0	812	5.18%	2638	368
78		60.3 - 61.3	0.9	7	<0.2	13	493	67	18

SAMPLE #	HOLE #	METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
>1679	LD-98-08	61.2 - 62.1	0.9	24	11.0	1742	6.50%	4878	754
80		87.8 - 89.3	1.5	23	<0.2	47	849	151	73
81		89.3 - 90.9	1.6	43	<0.2	26	998	146	54
82	LD-98-11	32.6 - 32.8	0.2	12	1.4	26	810	109	17
83		69.1 - 70.6	1.5	<5	9.9	12	129	64	6
84	LD-98-13	8.0 - 9.5	1.5	<5	<0.2	21	55	97	<5
85		9.5 - 11.0	1.5	<5	<0.2	13	49	683	9
86		48.6 - 49.8	1.2	579	53.7	3554	6808	8077	7300
87	LD-98-14	15.2 - 16.7	1.5	38	0.8	121	530	125	65
88		16.7 - 18.2	1.5	12	1.1	98	367	92	51
89		18.2 - 19.7	1.5	21	0.5	37	135	146	19
90		19.7 - 20.9	1.2	6	0.4	19	83	79	21
91		58.3 - 59.5	1.2	1432	149.7	2.00%	6892	3.31%	1.80
92		59.5 - 60.5	1.0	2778	58.5	3861	4.77%	9.47%	0.68
93		60.5 - 61.2	0.7	5100	261.9	1.69	2.51%	7.46%	1.76
94		61.2 - 62.7	1.5	261	30.7	682	3474	1.16%	1176
95		62.7 - 64.2	1.5	<5	0.3	18	53	3522	152
96		64.2 - 65.7	1.5	<5	0.8	22	42	817	26
97		65.7 - 67.2	1.5	25	2.2	13	770	1668	32
98		67.2 - 68.7	1.5	39	5.2	200	324	6579	227
99		68.7 - 70.2	1.5	17	1.1	23	59	3109	43
>1700		70.2 - 71.7	1.5	11	1.0	10	37	8209	239
01		71.7 - 73.2	1.5	<5	<0.2	9	36	349	22
02		73.2 - 74.7	1.5	<5	2.2	14	34	3295	266
03		74.7 - 76.2	1.5	<5	<0.2	10	34	162	352
04		76.2 - 77.7	1.5	22	<0.2	11	39	294	67
05		77.7 - 79.2	1.5	25	1.1	9	84	800	21
06			1.5	31	1.6	11	41	922	78

SAMPLE #	HOLE #	METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
01707	LD-98-14	80.7 - 82.2	1.5	886	214.8	5183	6759	2.20%	540c
08		82.2 - 83.0	0.8	4105	2007.1	3.86%	3816	7.64%	3.76%
09		83.0 - 84.5	1.5	40	5.7	101	56	1331	140
10		84.5 - 86.0	1.5	11	1.4	33	53	626	196
11		86.0 - 87.5	1.5	9	2.8	21	57	368	66
12		87.5 - 89.0	1.5	<5	0.4	21	66	315	38
13		93.3 - 94.8	1.5	25	5.1	35	940	299	36
14		94.8 - 96.3	1.5	82	0.3	8	49	89	19
15		96.3 - 97.8	1.5	<5	1.1	57	483	507	44
16		97.8 - 99.3	1.5	48	2.8	199	1533	673	142
17		99.3 - 100.8	1.5	25	2.6	43	310	444	58
18		100.8 - 102.3	1.5	136	36.9	517	1647	2108	468
19		102.3 - 103.8	1.5	16	3.6	131	321	510	214
20		107.0 - 108.5	1.5	<5	<0.2	13	54	605	122
	ROCK SAMPLES								
01601	DRILL PAD 647	FOOT CLAY /6'		51	10.5	2572	4.23%	1.57%	3400
02	#1 ZONE. SMALL DUMP BELOW Rd.			2908	384.8	4.57%	3.36%	3.51%	2.83%
03	#1 ZONE OUTCROP 7' ZONE (3' CH.)			2584	497.8	2.74%	3.51%	4.54%	1.63%
04	#1 ZONE OUTCROP 7' ZONE (3' CH.)			8333	436.7	4.18%	1235	8.32%	4.28
05	#4b ZONE - MASSIVE Po-Gte BOULDER			41	3.8	143	95	260	133
06	CN BULK # 3 ZONE (N TRENCH)			3598	19.8	1101	3922	7.29%	868
07	CN BULK # 3 ZONE (MIDDLE)		(ppm)	12.10	49.0	1139	2.03%	4.28%	546
08	CN BULK # 3 ZONE (S TRENCH) (30')			1219	75.9	1517	5795	4.53%	406

DRILL LOG

Date started 8-14-98
Date completed 8-14-99
Azimuth 270°
Dip -50°
Elevation 1435 m (APPROX)
Collar Coordinates:
N 9+90 N
E 13+42 W

Hole # LD-98-01
Depth 59.7 M
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by P. MATTINEN

DOWN HOLE SURVEYS

Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST #1 ZONE BELIEVED TO BE WEST OF HOLE LD-97-14 COLLAR.

ASSAYS:

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
9.1-9.7	0.6	91	3.7	320	1453	772	262
9.7-9.9	0.2	2528	152.3	5.72%	3.60%	7252	4.78%
9.9-11.4	1.5	29	2.0	152	658	252	95
11.4-12.9	1.5	16	<0.2	19	71	83	20
20.6-21.8	1.2	87	<0.2	58	112	129	83

HOLE # LD-98-01

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
				(ASSAYS)
0 – 9.1			CASING (BROKEN LIMESTONE)	
9.1 – 33.0	GRAY TO TAN	tr Py	FELSIC DIKE (ALTERED) [FELSITE] LIGHT GRAY TO CREAM WHITE UNIT fg. WITH 1-2% QUARTZ PHENOS (1-3mm), 5-10% GHOSTY PLAG. (2-4mm) VARIABLY SERICITIC ALTERED. Tr TO 1% VERY FINE DISS. Py. VARIABLY FRACTURED AND BROKEN. 9.1 – 9.7: BROKEN WITH MnOx ON FRAC. SURFACES.	9.1-9.7
		(SULPHIDE) # 1 ZONE	9.7 – 9.9: SULPHIDE SEAM (# 1 ZONE) 30-40% GRAY SULPHIDE ($Asp - PbS - ZnS^?$) 10% Py + Fe_{Ox} + As_{Ox}. SEAM AT 30° TO CA. (ZONE VERTICAL)	9.7-9.9
			9.9 – 12.9: STRONGLY FRACTURED AND BROKEN IN PART CRUSHED/FAULTED (10.3) FRACTURES HAVE YELLOW Fe_{Ox} PAINT AND ZnO_x FILLING.	9.9-11.4 11.4-12.9
			12.9 – 20.6: MOD. FRACTURED UNIFORM UNIT WITH 10-20% GHOSTY SERICITIC PLAG. PHENOS, 1-2% QUARTZ PHENOS LIGHT YELLOW-BROWN PAINT ON FRACS. WITH TAN, 1-4cm OXIDATION FRONT.	
		tr Py	20.6 – 21.8: FAULT ZONE AT 10° TO CA. CRUSHED AND BRECCIATED WITH BLACK, SOFT INFILLING (SULPHIDE?)	20.6-21.8
			21.8 – 33.0: MOD. FRACTURED. WITH FINE <1mm HORNBLENDE PHENOS (5%) FRACS AT 10-20° TO CA.	
33.0 – 59.7	GRAY		LIMESTONE MED TO DARK GRAY UNIT MED GRAINED WITH SLIGHT FOLIATION/SCHISTOSITY TO FABRIC. PRONOUNCED CLEAVAGE FLASHES TO CALCITE GRAINS, CUT BY IRREG. NETWORK OF WHITE REMOBILIZED CALCITE VEINLETS 1-4 mm.	

HOLE # LD-98-01

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
			33.0-38.2: EXTREMELY FRACTURED AND BROKEN. PROBABLY SOME FAULTING AT CONTACT WITH FELSIC DIKE.	
			38.2-41.2: MASSIVE GRAY LIMESTONE, MOD. FRACTURED	
			41.2-43.6: CONTORTED BLACK CHLORITE/Py SEAM (1-6cm) WELL LAMINATED WITH 5-15% FINE DISS Py. SOME REMOB INTO FRACTURES. ZONE 5-20° TO CA AND COMING IN AND OUT OF CORE	
			43.6-59.7: MASSIVE MED. GRAY LIMESTONE WITH 5-10% WHITE CALCITE VEINLETS. BROKEN 46.0-48.8(Ecox ON FRACS WITH FAULT ZONE 48.8-49.1 (FINE, DARK Py ≈ 20%) CRUSHED GOUGE ZONE ≈ 6cm.	
59.7			EOH.	

DRILL LOG

Date started 8-15-98
Date completed 8-15-98
Azimuth 270°
Dip -45°
Elevation 1455 m (approx)
Collar Coordinates:
N 10+36 N
E 14+16 W

Hole # LD-98-02
Depth 64.2
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by P.R. MATTINEN

DOWN HOLE SURVEYS

Instrument _____

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST FOR POSSIBLE E. DIP OF #2 ZONE

ASSAYS

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
22.4-23.9	1.5	22	1.1	59	385	120	85
23.9-25.4	1.5	21	0.9	27	420	96	177
25.4-26.9	1.5	13	<0.2	26	140	118	53
26.9-28.4	1.5	67	<0.2	10	188	188	19
28.4-29.9	1.5	392	<0.2	21	166	236	13

HOLE # LD-98-02 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY. (ASSAYS)
0 - 3.6			CASING	
3.6 - 26.9	GRAY - TAN	—	LIMESTONE (TAN)	
			MASSIVE MED TO DARK GRAY UNIT FINE TO MED GRAINED (MARBELIZED) SOME GHOSTY REHEALED BRECCIA ZONES 10-30CM MINOR IRREG. WHITE CALCITE VEINLETS. TAN MOTTLING THROUGHOUT — DOLOMITIC OR WEAK SILICIFICATION. WEAK TO MOD FRACTURING — FeOx PAINTED FRAC. SURFACES. TAN ZONES SHOW SPONGY, DARK FeOx, LEACHING ADJACENT TO FRACTURES.	
			22.4-26: VARIABLY TAN MOTTLED REHEALED BRECCIA. MINOR DARK SPONGY SOLUTION BOX-WORK ADJ. TO FRACS. MUD SECONDARY CALCITE VEINLETS.	22.4-23.9 23.9-25.4 25.4-26.9
26.9 - 38.5			MAFIC TUFF/ARGILLITE?	
			DARK GRAY-GREEN UNIT WITH VAGUE BUT FINE FRAGMENTAL CHARACTER SOME ANGULAR CLASTS TO 4CM BUT GENERALLY VERY FINE AND INPART SPECKLED. UNTCUT BY 10% IRREG. CALCITE VEINLETS	2
			26.9-29.9 SHEARED/BROKEN/FAULTED CONTACT WITH LIMESTONE. FOLIATION AT 25° TO CA. MINOR Py @ 1-5% AS OCCASIONAL CLOT AND IN CALCITE VEINLET.	26.9-28.4 28.4-29.9
			33.9-38.2: DARK RAGGED MOTTLING ≈ 10% 1-2mm APPEARS PORPHYROBLASTIC? ALIGNED 40° TO CA. BOTTOM CONTACT BROKEN/PYRITIC	

HOLE # LD-98-02 Page 3

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY
38.5- 64.2			LIMESTONE MASSIVE, MED TO LIGHT GRAY, FINE TO MED GRAINED UNIT. GHOSTY REHEALED BRECCIA IN PART. 10% 1-4MM CALCITE VEINLETS MOD FRACTURED THROUGHOUT — RARE 1-2MM PYRITE FILLED FRACTURE, IRREG. LIGHT TAN MOTTLING.	
64.2			EOH	

DRILL LOG

Date started 8-15-98
Date completed 8-16-98
Azimuth 280°
Dip −65°
Elevation 1455 m (APPROX)
Collar Coordinates:
N 10+36 N
E 14+16 W

Hole # LD-98-03
Depth 60.6
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by PR MATTINEN

DOWN HOLE SURVEYS
Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST FOR POSSIBLE E. DIP TO #2 ZONE

ASSAYS

METERS	INTERVAL	Au ppb/ppm	Ag ppm	Pb ppm/%	Zn ppm/%	As ppm/%	Sb ppm/%
30.3-31.8	1.5	17	5.3	23	225	1.87%	106
31.8-33.3	1.5	<5	<0.2	7	96	91	11
33.3-34.8	1.5	24	0.6	11	163	94	14

HOLE # LD-98-03 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
0-3.6			CASING	
3.6-29.5	GRAY	—	LIMESTONE	
			MASSIVE MED TO DARK GRAY UNIT, FINE TO MED GRAINED (MARBLIZED)	
			SOME GHOSTY REHEALED BRECCIA ZONES	
			TO 11 CM; MINOR IRREG CALCITE	
			VEINLETS 1-4 mm, 10%. FAINT TAN	
			MOTTLING THROUGHOUT - DOLOMITE?	
			MOD TO STRONGLY FRAC WITH FeOx	
			PAINT, TAN MAT'L LEACHED TO	
			SPONGY TEX. AT FRACTURE PLANES	
			10.3 - 13.0: STRONGLY FRAC'D AND	
			BROKEN, SOME BRECCIA (MINOR FAULT)	
29.5-34.8	DARK GRAY GREEN	1-10%	MAFIC TUFF / ARGILLITE?	
			DARK GRAY-GREEN UNIT WITH VAGUE	
			BUT FINE FRAGMENTAL CHARACTER,	
			SHEARED WITH FAULTING AT 30.3, 31.8,	30.3-31.8
			34.8. FOLIATION AT 20-30° TO CA.	31.8-33.3
			DARK Py BANDS IN FAULT PLANES	33.3-34.8
34.8-41.5	GRAY		LIMESTONE	
			MASSIVE MED TO LIGHT GRAY, FINE TO	
			MED GRAINED UNIT. 10% CALCITE VEINLETS	
			AND GHOSTY REHEALED BRECCIA. LOWER	
			CONTACT HAS REMOB. CALCITE WITH STREAKS	
			f.g. Py / 1-4mm. CONTACT AT 10° TO CA.	

HOLE # LD-98-03 Page 3

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
41.5 - 60.6	IRREG - GRAY GREEN	1-5% Py	ARGILLITE / MAFIC TUFF? VERY IRREGULAR UNIT WITH DARK MASSIVE CALCAREOUS ARGILLITE? AND CLOTS / WISPS / SEAMS OF CONTORTED CALCITE. INCLUDES 10% CRENULATE CALCITE WITH CLOTS / WISPS OF VERY FINE GRAINED Py Py → 10% / 10 cm ; APPEARS TO HAVE A LIGHT GRANOBLASTIC MIN. → 1mm, UNIT APPROX 50/50 CHLORITIC / CALCITIC MATERIAL LAMINATIONS 10° TO CA. 59.4 – 60.6 : MASSIVE DARK GRAY LMS. CONTACT STRONGLY SHEARED / 10cm AT 5-10° TO CA.	
60.6			EOH	

DRILL LOG

Date started 8-16-98
Date completed 8-17-98
Azimuth 239°
Dip -65°
Elevation 1480 M (APPROX)
Collar Coordinates:
N 12+60N
E 16+24W

Hole # LD-98-04 ✓
Depth 93.0
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by PR MATTINEN

DOWN HOLE SURVEYS

Instrument _____

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST FOR DOWN DIP CONTINUITY OF HIGH Zn ZONE ENCOUNTERED IN TECK HOLE LD-97-12

ASSAYS

METERS	INTERVAL	Au ppb/ppm	Ag ppm	Pb ppm/%	Zn ppm/%	As ppm/%	Sb ppm/%
55.6-58.5	2.9	17	0.5	90	1173	150	67
62.7-64.8	2.1	28	10.4	1192	9.8%	2406	176

HOLE # LD-98-04 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY (ASSAYS)
0 – 3.3			CASING	
3.3 – 93.0			LIMESTONE	
			MASSIVE MED. TO DARK GRAY, FINE TO MED GRAINED UNIT; MARBELIZED FABRIC HAS ORIENTED CALCITE GRAINS. SOME GHOSTY REHEALED BRECCIA ZONES. MINOR (5-10%) WHITE CALCITE VEINLETS → 4mm, MINOR BOXWORK SOLUTION CAVITIES.	
			9.7 – 19.7: MOD TO STRONGLY FRACTURED, YELLOW TO BROWN FeOx ON FRACS.	
			44.5 – 47.9: STRONGLY FRACTURED AS PREVIOUS (@ 43.6: 18cm SECTION FERRUGENOUS Bx.)	
			55.6 – 58.5: FERRUGENOUS LIMESTONE B+ (WEAK) FeOx CLOTS / FRACTURES (FOOTAGE BLOCKS QUESTIONABLE)	55.6 – 58.5
		*	62.7 – 64.8: FeOx CLAY RICH MUD ZONE. PROBABLE FAULT. LIGHT BROWN OOZE. (4' LOST CORE)	62.7 – 64.8
			71.8 – 93.0 MOTTLED LIGHT GRAY – DARK GRAY, GHOSTY BRECCIA. ABUNDANT CALCITE VEINLETS AND CLOTS.	
93.0			EOH	

DRILL LOG

Date started 8-17-98
Date completed 8-17-98
Azimuth 250°
Dip -45°
Elevation 1500 m (APPROX)
Collar Coordinates:
N 10+80 N
E 15+55 W

Hole # LD-98-05
Depth 90.9
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by PR MATTINEN

DOWN HOLE SURVEYS

Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST DIP OF S. EXTENSION #3 ZONE

ASSAYS

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
66.4-67.9	1.5	96	0.4	20	132	78	16
67.9-69.4	1.5	26	1.3	12	39	55	8
69.4-70.3	0.9	19	1.4	4	35	30	7
70.3-71.5	1.2	259	<0.2	26	360	165	67

HOLE # LD-98-05 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
0 - 4.5			CASING	
4.5 - 66.4	GRAY		LIMESTONE MASSIVE MED TO LIGHT GRAY, FINE TO MED GRAINED (MARBELIZED) SUBTLE MOTTLED APPEARANCE (LIKELY REHEALED GHOSTY BRECCIA) MOD. FRACTURED 5.2 - 5.8 : GRAPHITIC ARGILLITE BAND CARBONATE LAMINAE (1-3mm) SEVERELY CONTORTED, IN PART CHLORITIC, CONTACTS WEAKLY SHEARED.	
66.4 - 71.5			ARGILLACEOUS LIMESTONE GREY VERY FINE GRAINED UNIT WITH VERY CONTORTED CALCITE LAMINAE AND MINOR CALCITE FILLED FRACS. SHEARING AT 5 - 10° TO CA, TOP CONTACT 20° TO CA. MORE ARGILLACEOUS SECTIONS HAVE 5 - 15% VERY f.g. Py.	66.4 - 67.9 67.9 - 69.4 69.4 - 70.3
		*	70.3 - 71.5: STRONGLY SHEARED 5 - 10° TO CA AND OXIDIZED WITH MED TO LIGHT BROWN FeO_x. APPEARS SOMEWHAT CONFORMABLE AND STRATAFORM.	70.3 - 71.5
71.5 - 90.9			LIMESTONE (TAN MOTTLED) VARIABLE LIGHT TO DARK GRAY, MED GRAINED UNIT WITH IRREG. CLOTS OF FERRUGINOUS LIMESTONE. TAN MOTTLING IRREG. AND SOMEWHAT BRECCIA LIKE, WEAK FRACTURING.	
90.9			EOH	

DRILL LOG

Date started 8-18-98
Date completed 8-18-98
Azimuth 070°
Dip -55°
Elevation 1510 m (Approx)
Collar Coordinates:
N 10+73 N
E 15+88 W

Hole # LD-98-06
Depth 45.5
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by P.R. MATTINEN

DOWN HOLE SURVEYS

Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST S. END OF #3 ZONE, BELOW TECK TRENCH

ASSAYS

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
15.0-16.0	1.0	14.23 ppm	62.3	2.35%	2.96%	5.38%	1569
16.0-16.7	0.7	491	15.4	6236	5.58%	2.45%	3900

HOLE # LD-98-06 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY
0 - 4.8			CASING	
4.8 - 15	GRAY		LIMESTONE MASSIVE MED TO DARK GRAY UNIT WITH GHOSTY REVEALED BRECCIATION THROUGOUT (MED GRAINED / MARBELIZED) MINOR (1-2%) CALCITE VEINLETS MODERATE TO STRONGLY FRACTURED FAULT GOUGE / 8cm @ 8.2.	
15 - 16.7	RED/BROWN	#3 ZONE? S. EXTENSION	OXIDE ZONE DARK RED - BROWN EARTHY FeOx ZONE - FEATURELESS. CONTACTS GRADUAL	
16.7 - 45.5	GRAY		LIMESTONE MASSIVE MED TO DARK GRAY UNIT FAIRLY UNIFORM EXCEPT FOR MINOR GHOSTY BRECCIA PATCHES → 10 cm. 27.7 - 28.2 ! FAULT ZONE, MUDDY GOUGE AND BROKEN ROCK 28.2 - 32.1 : THINLY BANDED CALCAREOUS GRAPHITIC PHYLLITE LAMINATIONS (WHITE) STRONGLY CONTORTED 1 - 4 MM. LAMINATION /FOLIATION 5-15° TO CA	
45.5			EOH	

DRILL LOG

Date started 8-18-98

Date completed 8-18-98

Azimuth 070°

Dip -80°

Elevation 1510m (APPROX)

Collar Coordinates:

N 10+73 N

E 15+88 W

Hole # LD-98-07

Depth 60.6

Hole size NQ

Contractor LDS DIAMOND DRILLING

Drill type LONGYEAR 38

Logged by PR MATTINEN

DOWN HOLE SURVEYS

Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST DOWN DIP OF HOLE LD-98-06 S. EXTENSION OF # 3 ZONE (NO ASSAYS)

HOLE # LJ-98-07 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY
0-7.9			CASING	
7.9-50.9	GRAY	—	LIMESTONE MASSIVE MED TO DARK GRAY FINE TO MED GRAINED UNIT — MOTTLED LIGHT & DARK GRAY MARBELIZED, POSSIBLE REHEALED BRECCIA. 10%, 1-3MM WHITE CALCITE VEINLETS. OCCASIONAL 2-5CM LEACHED TAN LMS. 7.9 — 18.8: STRONGLY FRACTURED WITH TAN TO LIGHT BROWN MUD AND PAINT, FRACTURES RANDOM. 40.0: BANDING IN LMS AT 40° TO cA	
50.9-60.6	GRAY/BLACK	1-10% Py	GRAPHITIC ARGILLITE / PHYLLITE GRAY-BLACK, WELL BANDED. BLACK LAMINAE ALT. WITH WHITE PLUS THIN 1-4MM SEAMS F.G. Py. (Py & 1-10%) UNIT CONTORTED WITH SOME BOUDINAGE BEDS. LAMINAE VARIABLY CRENULATED. ALTERNATES WITH LIMESTONE BEDS. MUD FRACTURED WITH FEOX 53.2-53.6: LIMESTONE, GRAY REHEALED BRECCIA. 54.8-55.5: AS ABOVE 56.4-60.6: MASSIVE GRAY LIMESTONE MINOR, FAINT TAN MOTTLING.	
60.6			EOH	

DRILL LOG

Date started 8-18-98
Date completed 8-19-98
Azimuth 040°
Dip -45°
Elevation 1510 m (APPROX)
Collar Coordinates:
N 11+10N
E 16+10W

Hole # LD-98-08
Depth 90.9
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by PR MATTINEN

DOWN HOLE SURVEYS

Instrument _____

Footage	Inclination	Bearing

DRILLED TO TEST WEST DIP OF SOUTH END OF # 3 ZONE

ASSAYS

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
12.4 - 13.5	1.1	9	<0.2	21	925	64	10
44.8 - 46.4	1.6	8	<0.2	10	66	34	6
56.4 - 57.9	1.5	28	11.4	1525	3.87%	2845	357
57.9 - 59.1	1.2	6	<0.2	17	429	56	24
59.1 - 60.3	1.2	30	12.0	812	5.18%	2638	368
60.3 - 61.2	0.9	7	<0.2	13	493	67	18
61.2 - 62.1	0.9	24	11.0	1742	6.50%	4878	754
87.8 - 89.3	1.5	23	<0.2	47	849	151	73
89.3 - 90.9	1.6	43	<0.2	26	998	146	54

HOLE # LD-98-08 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY. ASSAY
0-9.1			CASING	
9.1-13.5			CALCAREOUS SILTSTONE (MAFIC TUFF)	
			GRAY/OLIVE GREEN TO TAN BROWN UNIT WELL LAMINATED WITH DISTINCT CLASTIC COMPONENT, WELL LAMINATED WITH DISTINCT CLASTIC COMPONENT, CLASTS PREDOM. LIMESTONE 1-3 mm. OCCASIONAL LIMESTONE FRAG → 3 cm	
			12.4 - 13.5: UNIT BECOMES FERRUGINOUS (LIMONITIC?) LAMINATIONS 40° TO CA.	12.4-13.5
13.5-83.0			LIMESTONE	
			MASSIVE MED. TO DARK GRAY, FINE TO MEDIUM GRAINED UNIT. MARBELIZED. VAGUE MOTTLED APPEARANCE - POSSIBLE RENDALED BRECCIA. CALCITE VEINLETS THROUGHOUT 1-2 m (10%)	
			30.0: BECOMING BLOCKY WITH DARK GRAY PATCHES	
			33.9 - 42.7: STRONGLY FRACTURED WITH FeOx COATING. ALSO 48.2 - 50.9.	
			43.3 - 47.7: FELSIC DIKE	
			GRAY SERICITIC WITH 10% GHOSTY WHITE (ARGILLIZED) PLAG PHENOS. FRACTURED WITH FeOx + TAN COLORED OXIDIZED SECTIONS	
			VERY FINE DISS. Py + BLACK SULPHIDE, ALSO AS FINE HAIRLINE WISPS.	44.8-46.4
			CONTACTS 90° TO CA	
		*	56.4 - 62.1 OXIDE ZONE	
			LIGHT BROWN TO DARK RED BROWN MUD/CLAY	56.4-57.9
			LIMESTONE @ 57.9 - 59.1; 60.3 - 61.2,	57.9-59.1
			CORE RECOVERY POOR.	59.1-60.3
				60.3-61.2
				61.2-62.1

HOLE # LD-98-08 Page 3.

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
83.0 – 90.9	GRA-/ TAN		LIMESTONE (TAN)	(ASSAYS)
			MASSIVE TO BLOCKY LOOKING GRAY TO TAN, f.g. – MED GRAINED LIMESTONE TAN COMPONENT 20 – 30% IRREG CLOTS/ BLOCKS? OF FERRUGINOUS LIMESTONE MINOR CALCITE VEINLETS. (10%)	
			83.0 – 90.9: MOD TO STRONGLY FRACTURED FeOx-MnOx PAINT ON FRACS WITH INCREASING LIGHT BROWN FeOx DOWN HOLE.	87.8 – 89.3
		OXIDE ZONE?	89.3 – 90.9: FERRUGINOUS SECTIONS STRONGLY LEACHED AND OXIDIZED FeOx.	89.3 – 90.9
90.9			EOH	

DRILL LOG

Date started 8-19-98
Date completed 8-19-98
Azimuth 040°
Dip -65°
Elevation 1510 m (APPROX)
Collar Coordinates:
N 11+10 N
E 16+10 W

Hole # LD-98-09
Depth 93.0
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by P.R. MATTINEN

DOWN HOLE SURVEYS

Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST FOR S. #3 ZONE EXTENSION BELOW HOLE LD-98-08

ASSAYS METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
13.3-15.0	1.7	15	0.2	6	790	53	7

HOLE # LD-98-09 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
0 - 3.6			CASING	
3.6 - 15			CALCAREOUS SILTSTONE (MAFIC TUFF?)	
			GRAY / OLIVE GREEN TO TAN BROWN UNIT, WELL LAMINATED WITH DISTINCT CLASTIC COMPONENT. CLASTS PREDOM. LIMESTONE 1-3mm. OCCASIONAL LIMESTONE FRAG → 3cm.	
			11.5 - 15.0 : UNIT BECOMES FERRUGINOUS (LIMONITIC?) LAMINATIONS 40° TO CA. CONTACT IRREG.	13.3 - 15
15 - 93.0			LIMESTONE	
			MASSIVE MEDIUM TO LIGHT GRAY, FINE TO MEDIUM GRAINED UNIT. SUBTLE MOTTLING DUE TO REHEALED BRECCIATION. OCCASIONAL FERRUGINOUS LIMESTONE CLOTS/CLASTS? 1% FAINT TO DISTINCT CALCITE VEINLETS → 3mm.	
			19.7 - 23.3 : STRONGLY FRACTURED WITH FeOx ON FRAC SURFACES.	
			33.9 - 44.8 : DARKER GRAY LIMESTONE AS BLOCKS, MINOR TAN CLOTS ALIGNED 40° TO CA.	
			45.5 - 49.1 : FELSIC DIKE; LIGHT GRAY SERICITIC. GHOST-WHITE PLAG PHENOS → 1-3mm. CONTACTS 45° TO CA. CRUSH ZONES 2-4cm AT 47.0, 48.9.	
			53.6 - 64.2 : MOD TO STRONGLY FRAC. FeOx ON FRACTURE SURFACES.	
			56.0 - 56.2 : FELSIC DIKE, AS PREVIOUS	
			83.3 - 93.0 : DARK GRAY - WHITE BRECCIATED CALCITE VEIN 84.4 - 85.1	
93.0			EOH	

DRILL LOG

Date started 8-19-98

Date completed 8-19-98

Azimuth 220°

Dip -45°

Elevation 1485 m (APPROX)

Collar Coordinates:

N 11+65N

E 15+63W

Hole # LD-98-10

Depth 90.9

Hole size NQ

Contractor LDS DIAMOND DRILLING

Drill type LONGYEAR 38

Logged by P.R. MATTINEN

DOWN HOLE SURVEYS

Instrument _____

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST POSSIBLE EAST DIP OF SOUTHERN END #3 ZONE (NO ASSAYS)

HOLE # LD-98-10 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
0 - 3.6			CASING	
3.6 - 86.4	GRAY	—	LIMESTONE	
			MASSIVE, LIGHT TO MEDIUM GRAY UNIT WITH IRREG. GHOSTY MOTTLING WITH FAINT TAN COLORED OVERTONES. CALCITE VEINLETS 1-3mm (10%) MOD FRACTURED. MARBELIZED.	
			DARK ANGULAR CLASTS? → 6 cm	
			53.3 - 58.2: MOD TO STRONGLY FRACTURED WEAK Fe_2O_3 ON FRACS.	
			68.8 - 70.3: CALCITE VEINS 20 @ 40°CA	
			75.8 - 86.4: PATCHY DARK GRAY TO BLACK LIMESTONE — PROBABLY GRAPHITE COMPONENT. GRAPHITE/Py SEAM OVER 2-4mm @ 76.4, 30-45° TO CA.	
86.4 - 90.9	GRAY/ BLACK	tr - 2% Py	CALCAREOUS ARGILLITE	
			BLACK GRAPHITIC ARGILLITE WITH THIN BANDS OF 1-6mm CALCITE. SOME GRADATIONAL SECTIONS TO MASSIVE FRACTURED + REHEALED LIMESTONE MINOR DISS. TO THIN LAMINAE OF f.g. Py. 1-2%. CALCITE LAMINAE STRONGLY CONTORTED AND CRENULATED SOME APPARENT CLASTIC COMPONENT.	
90.9			EOH.	

DRILL LOG

Date started 8-19-98
Date completed 8-20-98
Azimuth 050°
Dip -45°
Elevation 1500 m (APPROX)
Collar Coordinates:
N 11+62 N
E 16+59 W

Hole # LD-98-11
Depth 90.9
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by PR MATTINEN

DOWN HOLE SURVEYS
Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST POSSIBLE EAST DIP OF SOUTHERN END OF #3 ZONE

ASSAYS

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
32.6-32.8	0.2	12	1.4	26	810	109	17
69.1-70.6	1.5	<5	9.9	12	129	64	6

HOLE # LD-98-11 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY
				ASSAYS
0 - 4.2			CASING	
4.2 - 90.9	GRAY	—	LIMESTONE	
			MASSIVE, LIGHT TO MEDIUM GRAY UNIT WITH GHOSTY MOTTLING — PROBABLY REHEALED BRECCIA. CALCITE VEINLETS 1-3mm (10%) OCCASIONAL <1mm CARBONACEOUS FILIMENTS AND FRACTURE FILLING (GRAPHITIC). WEAK TO MOD FRACTURED.	
			32.6 - 32.8: DARK BROWN Fe OX ZONE, VUGGY OPEN AND LEACHED	32.6-32.8
			53.6 - 60.0: BECOMING DARK GRAY TO BLACK, CARBONACEOUS?	
			67.0 - 74.8: FELSIC DIKE	
			GRAY SERICITIC, IN PART SILICIFIED. GHOSTY PLAG. PHENS → 3mm. @ 15% LESS ALTERED SECTIONS APPEAR TO HAVE FINE HORNBLENDE. VARIABLE Fe OX AS LEISAGANG BANDING FRONTS ADJACENT TO FRACTURES. TOP CONTACT AT 30-35° TO CA	
			69.1 - 70.6: CRUSHED AND FAULTED WITH BROWN MUDDY GOUGE / 43 CM	69.1-70.6
			67.6 - 68.8: LIMESTONE INCLUSION IN DIKE	
			83.9 - 90.9: MODERATELY FRACTURED WITH IRREG SECTIONS OF DULL f.g. LIMESTONE AND REHEALED BRECCIA.	
90.9			EOH	

DRILL LOG

Date started 8-20-98

Date completed 8-20-98

Azimuth 270°

Dip -45°

Elevation 1442 M (APPROX)

Collar Coordinates:

N 15+82 N

E 17+58 W

Hole # LD-98-12

Depth 60.6

Hole size NQ

Contractor LDS DIAMOND DRILLING

Drill type LONGYEAR 38

Logged by P.R. MATTINEN

DOWN HOLE SURVEYS

Instrument _____

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST POSSIBLE EAST DIP OF #3 ZONE N. EXTENSION.

(NO ASSAYS)

HOLE # LD-98-12

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY
0 - 3.6			CASING	
3.6 - 60.6	GRAY	—	LIMESTONE MASSIVE, MEDIUM TO DARK GRAY, f.g. UNIT. IRREG. MOTTLED TO BRECCIA APPEARANCE — REHEALED, 10%, 1-4mm CALCITE VEINLETS AT RANDOM ORIENTATIONS, MOD TO STRONGLY FRACTURED WITH WEAK FeOx COATING. (3.6 - 43.0) SOME 1-2 cm MUD SEAMS IN FRACTURED SECTIONS. UNIT HAS A FAINT FOLIATION OR ALIGNMENT TO FABRIC AT 35-40° TO CA.	
60.6			EOH	

DRILL LOG

Date started 8-20-98
Date completed 8-21-98
Azimuth 270°
Dip -45°
Elevation 1403 M (APPROX)
Collar Coordinates:
N 8+67 N
E 13+21 W

Hole # LD-98-13
Depth 83.3
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by P.R MATTINEN

DOWN HOLE SURVEYS

Instrument _____

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST BELOW #1 ZONE SURFACE OUTCROPS NORTH OF ADIT

ASSAYS

METERS	INTERVAL	ppb/ppm Au	ppm Ag	ppm/% Pb	ppm/% Zn	ppm/% As	ppm/% Sb
8.0-9.5	1.5	<5	<0.2	21	55	97	<5
9.5-11.0	1.5	<5	<0.2	13	49	683	9
48.6-49.8	1.2	579	53.7	3554	6808	8077	7300

HOLE # LD-98-13 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY (ASSAYS)
0 - 4.2			CASING	
4.2 - 10.6	CREAM WHITE	1-2%	FELSIC DIKE (ALTERED) VERY LIGHT GRAY TO CREAM WHITE f.g. UNIT WITH 10-20%, 1-3mm WHITE GHOSTY ALTERED PLAG. PHENO, OCCASIONAL QUARTZ PHENO → 2mm, UNIT SILICIFIED WITH SUGARY TEX, MINOR SECTIONS (10 - 40cm) WITH 1-3% VERY FINE DISS PY?, MINOR OXIDATION ALONG FRACTURES & INTO UNIT (FeOx) MINOR CRUSHED AND BROKEN SECTIONS AS AT 6.4, 7.0, 9.7. LOWER CONTACT 20-25° TO CA	8.0 - 9.5 9.5 - 11.0
10.6 - 19.1	GRAY/BLK	—	LIMESTONE (GRAPHITIC) DARK GRAY IRREG MOTTLED UNIT f.g. WITH WISPY SEAMS OF 1-2mm GRAPHITIC MAT'L. ALSO FINE BRECCIA INFILLING. UNIT APPEARS TO BE CRUSHED AND REHEALED. VAGUE BUT APPARENT REHEALED SHEARING AT 20° - 40° TO CA. UNIT GRADES INTO MOTTLED GRAY-WHITISH LIMESTONE AT 19.1	
19.1 - 48.7	GRAY/WHITE	—	LIMESTONE MASSIVE GRAY-WHITE MOTTLED, f.g. TO med. GRAINED UNIT. IRREG BLOTCHY WHITE-GRAY, GHOSTY WHITE REMOBIL. CALCITE VEINLETS. ALSO SMALL PATCHES (2-10cm) TAN FERRUGINOUS. LIMESTONE MOD FRACTURED WITH MINOR FeOx COATING 29.4 - BECOMING STRONGLY FRACTURED	

HOLE # LD-98-13

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY
			44.2 - 48.1: FELSIC DIKE LIGHT GREEN, APHANITIC, FELDSPAR PORPH. WITH 10-15% 1-3mm PLAG PHENOS, UNIT WEAKLY CARBONATIZED. CONTACTS AT 45° TO CA. AND CONTAMINATED WITH 30-50% LIMESTONE FRAGMENTS, 1-3% FINE DISS PY THROUGHOUT	
48.6-49.8	BLACK/WHITE	10-20% SULPHIDE.	#1 ZONE VEIN FRACTURED, BLEACHED WHITE LIMESTONE WITH CLOTS, BANDS, BRECCIA INFILLING OF Py-Sph-Gn. + MINOR COARSE DISS REALGAR. POSSIBLE JAMESONITE, SULPHIDE BANDS TO-70° TO CA. 10-20% TOTAL SULPHIDE. BOTTOM CONTACT BOTTOM CONTACT 55° TO CA.	
49.7-83.3			LIMESTONE MED TO DARK GRAY, FINE GRAINED TO MED. GRAINED UNIT, MOD. FRACTURED DISTINCT LAMINATIONS 30° TO CA. MOTTLED APPEARANCE THROUGHOUT	
83.3			EOH	

DRILL LOG

Date started 8-21-98
Date completed 8-22-98
Azimuth 270°
Dip −65°
Elevation 1403 m (APPROX)
Collar Coordinates:
N 8+67 N
E 13+21 W

Hole # LD-98-14
Depth 121.2
Hole size NQ
Contractor LDS DIAMOND DRILLING
Drill type LONGYEAR 38
Logged by PR MATTINEN

DOWN HOLE SURVEYS

Instrument

Footage	Inclination	Bearing

COMMENTS DRILLED TO TEST DOWN DIP OF #1 VEIN ZONE INTERSECTION IN HOLE LD-98-13

(ASSAYS: SEE ATTACHED SHEET)

HOLE # LD-98-14 Page 2

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
0-6.7			CASING	
6.7-58.3			LIMESTONE	
			MEDIUM TO DARK GRAY IRREG MOTTLED, f.g. UNIT, REHEALED BRECCIA WITH 10-15%, 1-4mm CALCITE VEINLETS THROUGHOUT. MINOR TAN FERRUGINOUS SECTIONS (1-4cm) WEAKLY FRACTURED WITH MINOR FeOx COATING.	
			15.2-20.9: FELSIC DIKE (ALTERED)	
			LIGHT GRAY TO CREAM WHITE f.g. SUGARY TEXTURED UNIT WITH 10-30% 1-3mm WHITE CHALKY ALTERED PLAG. PHENOS	15.2-16.7 / 16.7-18.2 / 18.2-19.7
			EXTREMELY FRACTURED WITH SOME CRUSHED AND BROKEN ZONES (3-4cm)	19.7-20.9
			FINE <1mm DISS Py, 2-5% THRUGHOUT, UPPER CONTACT CRUSHED AND BROKEN, LOWER CONTACT 5-10° TO CA.	
58.3-62.7			#1 VEIN ZONE	
			MASSIVE Py-sph-Gn / 1.5m WITH CRUSHED LIMESTONE. Py-Sph-Tas. STRING IN LIMESTONE ABOVE MASSIVE SULPHIDE	58.3-59.5 / 59.5-60.5 / 60.5-61.2
			SULPHIDE ZONE IRREG WITH CLOTS OF Py-sph-Gn- SOME AGS. (REALGAR) SULPHIDE HAS 2 20% CRYPTO Qtz.	61.2-62.7
62.7-121.2			FELSIC DIKES (ALTERED)	
			CREAM WHITE TO CHALKY APHANITIC (FELSIC) UNIT WITH 10-25% 1-3mm CHALKY (KAOL) PLAG PHENOS. STRONGLY CRUSHED AND BROKEN WITH SOME GOUGE ZONES. QR 1-5% DISS Py THROUGH OUT, ALSO	62.7-64.2 / 64.2-65.7 / 65.7-67.2 / 67.2-68.7 / 68.7-70.2

HOLE # LD-98-14

DEPTH	COLOR	MIN.	DESCRIPTION	RECOVERY.
			MINOR ORANGE FILLED FRACTURES	
			(REALGAR/ORPIMENT[AsS])	70.2-71.7
			71.8-76.4 EXTREMELY BROKEN AND	71.7-73.2
			CRUSHED. (JAMESONITE)	73.2-74.7
			81.2-82.7: QUARTZ-Py-Jas.-Sph	74.7-76.2
			VEINLETS 2-20 mm AT 5-20° TO CA.	76.2-77.7
			≈ 10% SULPHIDES	77.7-79.2
			85.9-86.4: SHEARED AND BROKEN WITH	79.2-80.7
			BLACK CHLORITE AND 1-3% DISS Py + Asp	80.7-82.2
			87.0-93.3: MASSIVE, UNIFORM, PALE	82.2-83.0
			GRAY-GREEN. GREEN ALT FELDSPARS	83.0-84.5
			POSSIBLY BOTH PLAG AND ORTH. ≈ 30-	84.5-86.0
			40% FELDSPAR PHENOS 2-5 mm.	86.0-87.5
			1-5% VERY FINE DISS Py. DACITE DK.	87.5-89.0
			93.3-106.7: GRAY TO WHITISH RHYOLITE	
			DIKE MIXED WITH GREEN PORPH	93.3-94.8
			DACITE. WEAKLY Qtz-Feld PORPH.	94.8-96.3
			EXTREMELY FRACTURED AND BROKEN	96.3-97.8
			106.7-116.1 SILICIFIED, SUGARY TEX FELSIC	97.8-99.3
			DIKE WITH 2-5% DISS Py-Sph.	99.3-100.8
			116.1-117.3: SHEARED/CRUSHED DARK	100.8-102.3
			GRAPHITIC PHYLLITE INCLUSION. TOP	102.3-103.8
			CONTACT AT 60° TO CA (IRREG)	107.0-108.5
			BOTTOM CONTACT 15°-20° TO CA.	
			117.3-121.2: DACITE DIKE.	
			LIGHT GRAY-GREEN, UNIFORM, 20-30%	
			1-3mm WHITE PLAG PHENOS. 1-2%	
			VERY FINE DISS Py THROUGHOUT.	
121.2			EOH	

APPENDIX 2

CERTIFICATES OF ANALYSES - CORE SAMPLES

ITS Intertek Testing Services
Bondar Clegg

Certificate of Analysis

Laboratory # 981391

Client Number: V98-01540.1

Date: 9/21/98

Method: Bottle cyanide agitation leach test

Start Roll: 9/17/98 11:00 a.m. Finish Roll: 9/21/98 11:00 a.m. Total: 96 hours

Sample # R2-01608

Assay Ton	31.200		
Starting Weight grams	910		
Grind or size fraction	as is	Tail assay	
Vol of H20, Liters	1.820	.....oz Au/ ton	0.012
NaCN added, lbs/ton ore	12		
pH, ending	7.6	Calculated head	
NaCN consumption		.....oz Au/ ton	0.042
.....lbs/ton ore	10.6		
Gold extraction, ppm	0.51	Assay head	
.....oz/ton	0.030	.....oz Au/ ton	0.044
.....% of total	71.26		

By:_____

Mark F. Lewis
Manager/Metallurgist

Nevada Assembly Bill No. 519.130 requires the following statement: The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed projec .

A less than sign (<) is to be read "less than" or "none detected"

1 ppm = 0.0001%
1 Troy oz./ton = 34.286 ppm

1 ppm = 0.029167 Troy oz./ton

Intertek Testing Services

Bondar Clegg

Certificate of Analysis

Laboratory # 981391

Client Number: V98-01540.1

Date: 9/21/98

Attention:

Method: Bottle cyanide agitation leach test

Start Roll: 9/17/98 11:00 a.m Finish Roll: 9/21/98 11:00 a.m. Total: 96 hours

Sample # R2-01606

Assay Ton	29.691		
Starting Weight grams	866		
Grind or size fraction	as is	Tail assay	
Vol of H20, Liters	1.732	.....oz Au/ ton	0.017
NaCN added, lbs/ton ore	12		
pH, ending	8.3	Calculated head	
NaCN consumption		.....oz Au/ ton	0.110
.....lbs/ton ore	10.4		
Gold extraction, ppm	1.59	Assay head	
.....oz/ton	0.093	.....oz Au/ ton	0.105
.....% of total	84.51		

Sample # R2-01607

Assay Ton	30.377		
Starting Weight grams	886		
Grind or size fraction	as is	Tail assay	
Vol of H20, Liters	1.772	.....oz Au/ ton	0.064
NaCN added, lbs/ton ore	12		
pH, ending	9	Calculated head	
NaCN consumption		.....oz Au/ ton	0.305
.....lbs/ton ore	10.0		
Gold extraction, ppm	4.13	Assay head	
.....oz/ton	0.241	.....oz Au/ ton	0.321
.....% of total	79.01		

A less than sign (<) is to be read "less than" or "none detected"

1 ppm = 0.0001%
1 Troy oz./ton = 34.286 ppm

1 ppm = 0.029167 Troy oz./ton

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

CLIENT: ALPHA GOLD CORPORATION
PROJECT: LUSTDUST
REPORT: V98-01540.0 (COMPLETE)
DATE RECEIVED: 26-AUG-98 DATE PRINTED: 13-SEP-98 PAGE 1 OF 7

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav PPM	Ag PPM	AgGrav PPM	Cu PPM	Pb PPM	Pb PCT	Zn PPM	Zn PCT	As PPM	As PCT	Sb PPM	Sb PCT
01601		51		10.5		111	2572		>10000	4.23	>10000	1.57	>2000	0.34
01602		2908		>200.0	384.8	362	>10000	4.57	>10000	3.36	>10000	3.51	>2000	2.83
01603		2584		>200.0	497.8	473	>10000	2.74	>10000	3.51	>10000	4.54	>2000	1.63
01604		8333		>200.0	436.7	117	>10000	4.18	1235		>10000	8.32	>2000	4.28
01605		41		3.8		1094	143		95		260		133	
01606		3598		19.8		329	1101		3922		>10000	7.29	868	
01607		>10000	12.10	49.0		729	1139		>10000	2.03	>10000	4.28	546	
01608		1219		75.9		731	1517		5795		>10000	4.53	406	
01651		91		3.7		26	320		1453		772		262	
01652		2528		152.3		261	>10000	5.72	>10000	3.60	7252		>2000	4.78
01653		29		2.0		7	152		658		252		95	
01654		16		<0.2		7	19		71		83		20	
01655		87		<0.2		12	58		112		129		83	
01656		22		1.1		1	59		385		120		85	
01657		21		0.9		<1	27		420		96		177	
01658		13		<0.2		<1	26		140		118		53	
01659		67		<0.2		99	10		188		188		19	
01660		392		<0.2		38	21		166		236		13	
01661		17		5.3		19	23		225		>10000	1.87	106	
01662		<5		<0.2		15	7		96		91		11	
01663		24		0.6		67	11		163		94		14	
01664		17		0.5		1	90		1173		150		67	
01665		28		10.4		114	1192		>10000	9.80	2406		176	
01666		>10000	14.23	62.3		1170	>10000	2.35	>10000	2.96	>10000	5.38	1569	
01667		491		15.4		906	6236		>10000	5.58	>10000	2.45	>2000	0.39
01668		96		0.4		19	20		132		78		16	
01669		26		1.3		4	12		39		55		8	
01670		19		1.4		3	4		35		30		7	
01671		259		<0.2		21	26		360		165		67	
01672		15		0.2		33	6		790		53		7	

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

PROJECT: LUSTDUST

CLIENT: ALPHA GOLD CORPORATION
REPORT: V98-01540.0 (COMPLETE)

DATE RECEIVED: 26-AUG-98 DATE PRINTED: 13-SEP-98 PAGE 2 OF 7

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav PPM	Ag PPM	AgGrav PPM	Cu PPM	Pb PPM	Pb PCT	Zn PPM	Zn PCT	As PPM	As PCT	Sb PPM	Sb PCT
01673		9		<0.2		42	21		925		64		10	
01674		8		<0.2		7	10		66		34		6	
01675		28		11.4		176	1525		>10000	3.87	2845		357	
01676		6		<0.2		3	17		429		56		24	
01677		30		12.0		169	812		>10000	5.18	2638		368	
01678		7		<0.2		4	13		493		67		18	
01679		24		11.0		244	1742		>10000	6.50	4878		754	
01680		23		<0.2		2	47		849		151		73	
01681		43		<0.2		1	26		998		146		54	
01682		12		1.4		2	26		810		109		17	
01683		<5		9.9		17	12		129		64		6	
01684		<5		<0.2		14	21		55		97		<5	
01685		<5		<0.2		19	13		49		683		9	
01686		579		53.7		42	3554		6808		8077		>2000	0.73
01687		38		0.8		7	121		530		125		65	
01688		12		1.1		10	98		367		92		51	
01689		21		0.5		7	37		135		146		19	
01690		6		0.4		15	19		83		79		21	
01691		1432		149.7		88	>10000	2.00	6892		>10000	3.31	>2000	1.80
01692		2778		58.5		70	3861		>10000	4.77	>10000	9.47	>2000	0.68
01693		5100		>200.0	261.9	164	>10000	1.69	>10000	2.51	>10000	7.46	>2000	1.76
01694		261		30.7		40	682		3474		>10000	1.16	1176	
01695		<5		0.3		12	18		53		3522		152	
01696		<5		0.8		18	22		42		817		26	
01697		25		2.2		5	13		770		1668		32	
01698		39		5.2		6	200		324		6579		227	
01699		17		1.1		4	23		59		3109		43	
01700		11		1.0		19	10		37		8209		239	
01701		<5		<0.2		16	9		36		349		22	
01702		<5		2.2		233	14		34		3295		266	

Intertek Testing Services
Bondar Clegg

Geochemical Lab Report

PROJECT: LUSTDUST

CLIENT: ALPHA GOLD CORPORATION
REPORT: V98-01540.0 (COMPLETE)

DATE RECEIVED: 26-AUG-98 DATE PRINTED: 13-SEP-98 PAGE 3 OF 7

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	AuGrav PPM	Ag PPM	AgGrav PPM	Cu PPM	Pb PPM	Pb PCT	Zn PPM	Zn PCT	As PPM	As PCT	Sb PPM	Sb PCT
01703		<5		<0.2		7	10		34		162		352	
01704		22		<0.2		12	11		39		294		677	
01705		25		1.1		9	9		84		800		21	
01706		31		1.6		14	11		41		922		78	
01707		886		>200.0	214.8	201	5183		6759		>10000	2.20	>2000	0.54
01708		4105		>200.0	2007.1	1494	>10000	3.86	3816		>10000	7.64	>2000	3.76
01709		40		5.7		12	101		56		1331		140	
01710		11		1.4		22	33		53		626		196	
01711		9		2.8		110	21		57		368		66	
01712		<5		0.4		44	21		66		315		38	
01713		25		5.1		47	35		940		299		36	
01714		82		0.3		13	8		49		89		19	
01715		<5		1.1		48	57		483		507		44	
01716		48		2.8		15	199		1533		673		142	
01717		25		2.6		9	43		310		444		58	
01718		136		36.9		57	517		1647		2108		468	
01719		16		3.6		8	131		321		510		214	
01720		<5		<0.2		14	13		54		605		122	

APPENDIX 3

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Graeme Evans, do certify that:

1) I am a geologist and have practised my profession for the last sixteen years.

2) I graduated from the University of British Columbia, Vancouver, British Columbia with a Bachelor of Science degree in Geology (1983).

3) I am a member in good standing with the APEGBC as a professional geoscientist.

4) I was not actively involved and did not supervise the Lustdust program.

5) All data contained in this report and conclusions drawn from it are true and accurate to the best of my knowledge.

6) I hold no direct or indirect personal interest, in the Lustdust property, which is the subject of this report.

Graeme Evans
Senior Project Geologist
November, 1998

APPENDIX 4

STATEMENT OF COSTS

Fax: (604) 939-4981

Phone: (604) 939-7943
(604) 939-4083

ALPHA GOLD CORP.
410 Donald Street
Coquitlam, BC V3K 3Z8

LUSTDUST PROGRAM - 1998

COST SUMMARY FOR ASSESSMENT REPORT

Diamond drilling - 3,643 ft. (includes core boxes & sample bags)	$59,908.88
Geologist - August 12-29/98 (18 days) Lay out drill holes, mapping & core logging	7,200.00
Engineer - August 12-27/98 (16 days) Surveying & core splitting	4,800.00
2 Truck rentals (16 days ea.) = 32 x $90 per day	2,880.00
Assaying	1,918.65
Food & Lodging (2 persons x 16 days ea.) = 32 x $100 per day	3,200.00
Air travel, fuel & sundry cost items	600.00
Report preparation	1,500.00
Total	$82,007.53

LEGEND

Mesozoic - Tertiary

- 9 **Massive Sulphides** po, py, sp, as, sb, ga
  - 9a oxides limonite/manganese
- 8 **Mafic Dykes**
- 7 **Monzonite Dykes/Stock** +/- biotite, horneblende
  - 7a Feldspar Megacrystic
- 6 **Felsic Dyke** carb altered monzonite (fine grained)
- 5 **Garnet Skarn** +/- py, specular hematite, cp, sp, asp
  - 5a calc silicates

Permian

- 4 **Limestone** Grey/White crystalline
  - 4a silicified 4b dolomite 4c calcite knots breccia
- 3 **Mafic Tuff** with limestone clasts
- 2 **Carbonaceous Phyllites**
  - 2a biotite/siliceous hornfels (albite?)
- 1 **Chert** +/- Carbonaceous Phyllites
  - 1a silicified +/- sericite hornfels

0 10 20

ALPHA GOLD CORP.		
LUSTDUST PROPERTY		
GEOLOGY & 1998 DRILL HOLES		
DATE DRAWN:	SCALE: 1:2000	FIGURE NO: 4
GEOLOGY BY: G. Evans	JOB NO:	
DRAWN BY:	NTS NO: 93 N/ 11W	