ASSESSMENT REPORT

FOR THE

1991 DIAMOND DRILLING

ON THE

MIDNIGHT PROPERTY

MINERAL CLAIMS

OMINECA MINING DIVISION

NTS 93E / 6

LATITUDE 53 26' N

LONGITUDE 127 05' W

OWNED BY: EQUITY SILVER MINES LIMITED

WORK BY: EQUITY SILVER MINES LIMITED

REPORT BY: D. J. HANSON

JULY 1992

TABLE OF CONTENTS

FIGURES AND TABLES

PAGE

LIST OF FIGURES

LIST OF TABLES

LIST OF APPPENDICES

SUMMARY

The Midnight mineral claim group is located 105 kilometres south of Houston in west central British Columbia.

Previous work on the property outlined a large I.P. chargeability and coincident resistivity low anomaly within an area containing several vein showings.

Between September 17 and October 15, 1990 Equity Silver Mines Ltd. contracted 1365.48 metres of diamond drilling in twelve holes on the XK2620 and XK2618 mineral claims to test the bulk tonnage potential of the I.P. anomaly. Two hundred thirty-one core samples were analyzed by ICP for 31 elements plus gold.

Although some narrow high grade intersections of lead-zinc-gold were obtained, the disseminated zones did not return significant intersections. The drilling adequately tested the bulk tonnage potential of the I.P. anomaly and no further drilling is recommended on this target.

This report documents expenditures by Equity Silver Mines Ltd. of $130,728.00 between September 17 and October 15 on the XK2620 and XK2618 mineral claims.

INTRODUCTION

i) LOCATION, ACCESS and PHYSIOGRAPHY

The Midnight mineral property is located in the Tweedsmuir Recreation Area on the east side of Whitesail Lake approximately 105 kilometres south of the town of Houston and 520 kilometres north-northwest of Vancouver in west-central British Columbia (see Figure 1).

The property is situated on the moderately steep, northwest facing slope of Chickamin Mountain in the Tahtsa Ranges of the Hazelton Mountains physiographic region. Elevations on the property range from 950 to 1675 metres.

Access to the property is via helicopter from Houston. Landing sites below treeline are restricted to gravel bars along the major creeks and a few isolated locations along the shore of Whitesail Lake.

Bedrock exposure is generally poor except in the creek gullies and along prominent ridges.

Below treeline at the 1425 metre elevation, the claims are heavily forested with mature spruce and balsam.

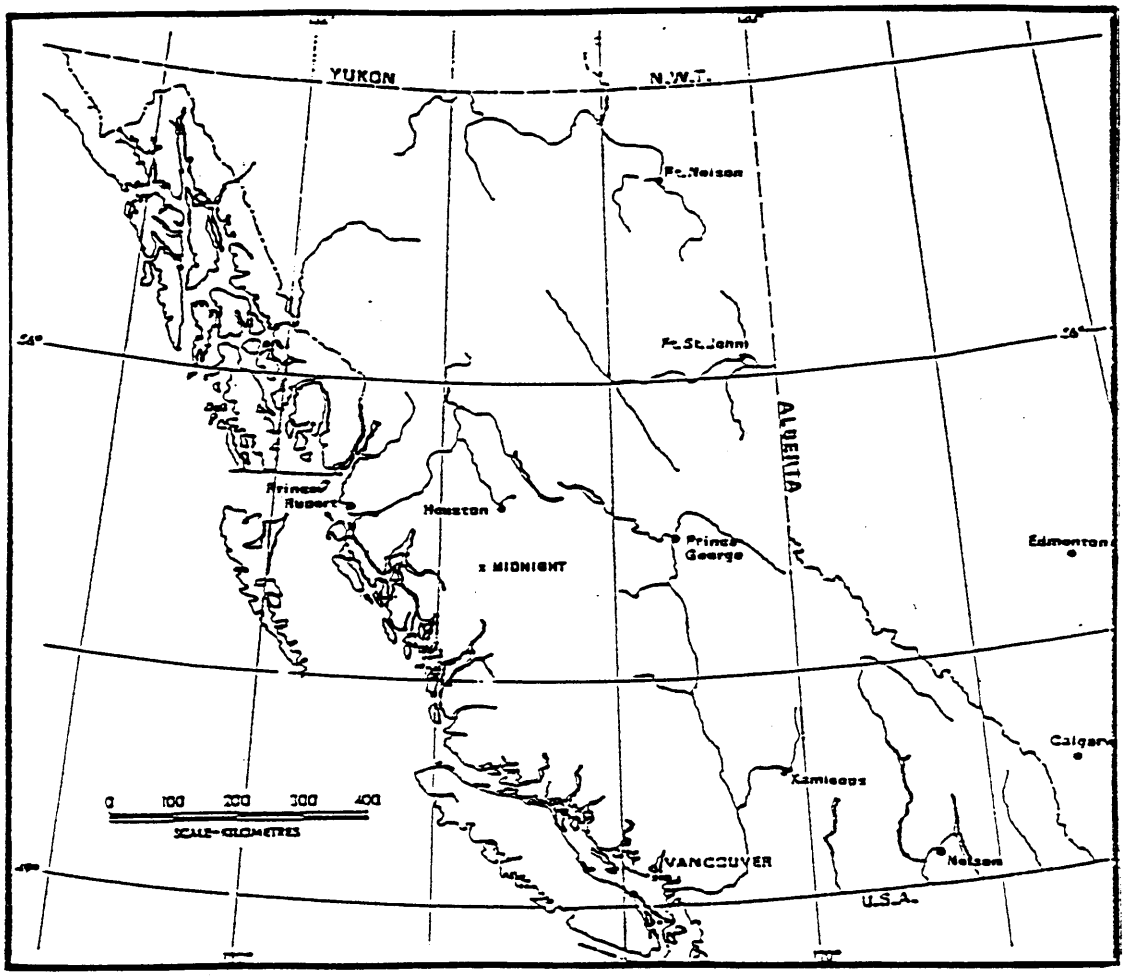
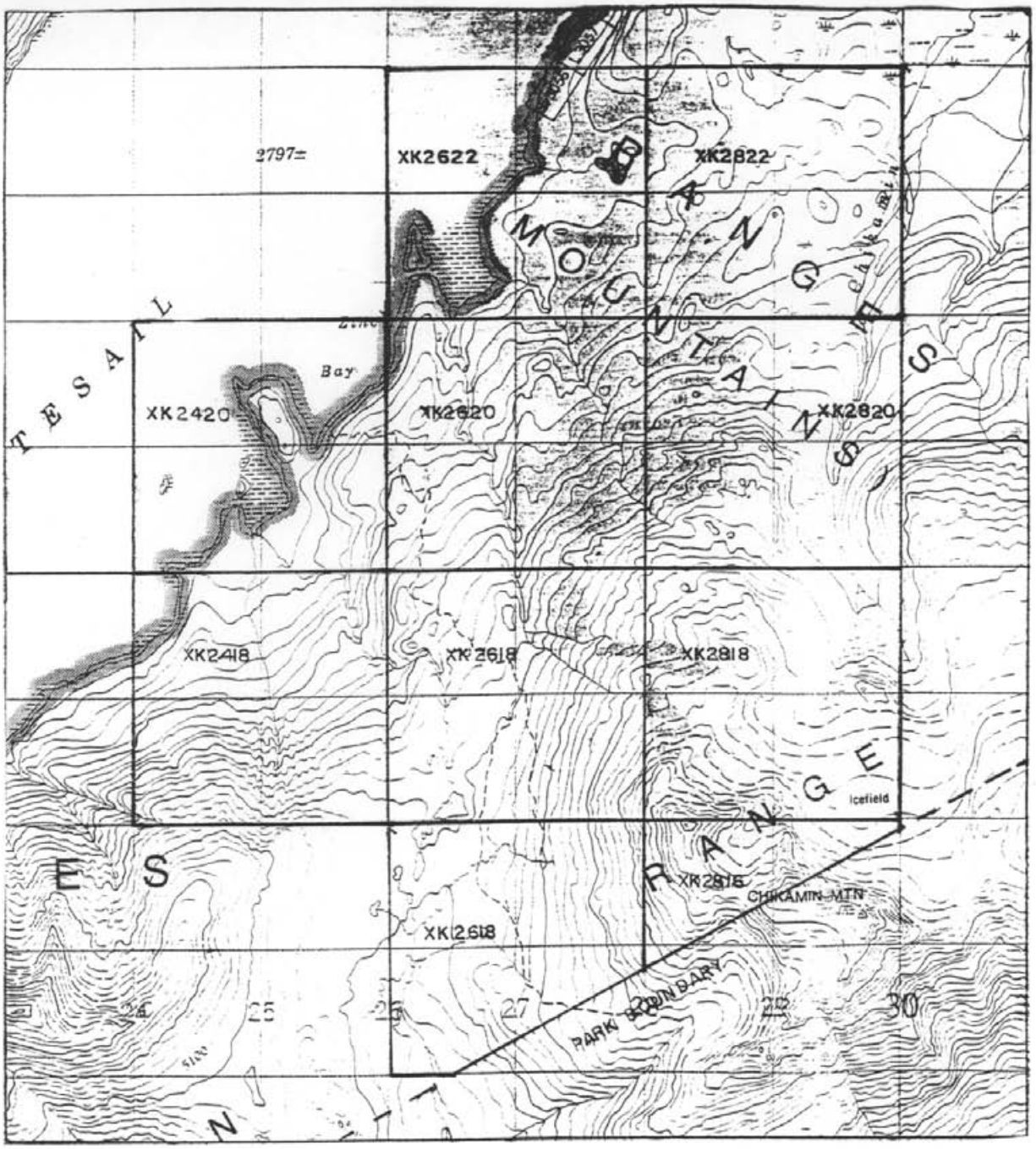


Figure 1 - Property Location Map



EQUITY SILVER MINES LIMITED
MIDNIGHT PROPERTY
FIGURE 2 - CLAIM MAP
N.T.S. 93 E/6 1:50,000
0 1 2

Figure 2 - Claim Location Map

ii) CLAIM OWNERSHIP and STATUS

The work documented in this report is being applied as assessment to the following one-post mineral claims in the Omineca Mining Division (see Figure 2) that have been grouped for the purpose of recording assessment:

TABLE 1

CURRENT CLAIM STATUS - MIDNIGHT PROPERTY

CLAIM	RECORD #	UNITS	EXPIRY DATE
XK2620	241388	16	April 17, 1997
XK2820	241362	16	April 17, 1997
XK2618	241385	16	April 17, 1997
XK2818	241392	16	April 17, 1997

All expiry dates are pending acceptance of this report.

All four claims are wholly owned by Equity Silver Mines Ltd. and are not subject to any vendor agreements.

iii) CLAIM HISTORY

The area covered by the current claims has been explored several times in the past. Between 1919 - 1945 several showings were discovered and the Chickamin Adit was developed along a shear zone hosted quartz vein containing galena, sphalerite, arsenopyrite, chalcopyrite and pyrite.

During the period from 1974 to 1989 no claim staking or exploration work was permitted within the boundries of Tweedsmuir Park. On April 17, 1989 the Tweedsmuir Provincial Recreation Area was established and opened for one-post staking. At this time, the Midnight claims were located to cover the known showings.

Between 1989 and 1991 Equity Silver Mines Limited conducted geological mapping, soil geochemistry, heavy mineral silt geochemistry (Aziz, 1990), and induced polarization surveys (Walcott, 1991). In 1991 Equity backhoe trenched arsenic-silver soil anomalies and parts parts of a large induced polarization chargeability anomaly.

iv) PURPOSE

The objective of the 1991 diamond drilling program was to further investigate the causative source of a coincident chargeability high - resistivity low anomaly and spot high arsenic-silver soil geochemical anomalies.

REGIONAL GEOLOGY

The Midnight claims are located near the western margin of the Intermontaine Tectonic Belt in Stikinia Terrane, approximately twenty kilometres due east of the Coast Plutonic Complex. According to Diakow and Koyanagi, 1988, the area is underlain by an an incomplete succession of volcanic and sedimentary rocks ranging in age from Lower Jurassic Telkwa Formation of the Hazelton Group to Upper Cretaceous Kasalka Group. The stratigraphic succession has been intruded by small, Late Cretaceous or Tertiary, porphyritic diorite plugs and andesite dykes.

Lower Jurassic strata is represented by calc-alkaline, continental, maroon and green pyroclastic rocks with intervening basaltic and rhyolitic flows.

Middle Jurassic rocks comprise a mainly marine sequence of tuffs, volcaniclastic sediments, fossiliferous sediments, minor chert and limestone.

The Kasalka Group of continental volcanics were deposited in late Upper Cretaceous to Eocene time into down-drop basins typical of this portion of Stikinia.

1991 DIAMOND DRILLING PROGRAM

The 1991 diamond drilling program on the Midnight property consisted of 1365.4 metres of diamond drilling in twelve holes. The collar locations and approximate surface projections of the holes relative to the 1990 I.P. grid are shown in Figure 3.

Drill pads were constructed of rough timber by the drilling contractor, J.T. Thomas Diamond Drilling of Smithers, B.C. A helicopter-portable, modified J.K.S. 300 hydraulic wireline drill rig was utilized to recover BQTK sized core. Drilling commenced with hole MD91DH01 on September 17 and was completed with hole MD91DH12 on September 28, 1991.

Water for drilling was pumped from "Camp" creek.

The holes were spotted relative to the 1990 I.P. grid using a hip-chain. A brunton compass was used to set the drill azimuth and dip. After hole completion the collar was marked with a labelled spruce pole. Collar elevations were not surveyed.

The core was transported to a temporary core shack at the camp for logging, sampling, and permanent storage. All of the holes were logged by T. Wall, a contract geologist. Intervals to be assayed were split using a manual core splitter. Split samples were sent to Min-En Laboratories in Vancouver for 31 element ICP analysis and for gold by geochemical analysis. In addition seven samples were resubmitted for gold assay.

Drill logs, partial analytical results, and logging codes are included in Appendix I. Complete analytical results are presented in Appendix II.

DIAMOND DRILLING RESULTS

The Midnight property in the area of the 1991 drilling program is underlain by siltstones, sandstones and argillites belonging to the Lower Cretaceous Skeena Group and lapilli/ash tuffs of the Lower Jurassic Telkwa Formation of the Hazelton Group. This stratigraphy is intruded by an augite-feldspar porphyry plug and associated dykes.

Mineralization consists of pyrite-pyrrhotite-arsenopyrite disseminations and pyrite-galena-sphalerite-arsenopyrite as veins and veinlets, typically with quartz. Both types of mineralization are found in all rock types in the area drilled. The disseminated mineralization maybe somewhat anomalous in arsenic, silver and gold but no significant metal grades were encountered. The veins and veinlets returned values of up to 471.7 ppm silver, 73125 ppm lead, 182040 ppm zinc and 16500 ppb gold over very narrow widths (less than 0.2 metres). Hole MD91DH10 intersected 1.21 metres of 82.1 ppm silver, 24767 ppm lead, 13814 ppm zinc and 1040 ppb gold from a series of small veins in a shear zone at the contact between augite-feldspar porphyry and ash tuff.

Most rocks in the area drilled display varying amounts of propylitic alteration that maybe related to augite-feldspar porphyry intrusions. Pervaisive silica alteration is related to disseminated mineralization.

CONCLUSION and RECOMMENDATIONS

The 1991 diamond drilling program partially tested a strong I.P. chargeability high and partially coincident resistivity low anomaly that is spatially related to an augite-feldspar porphyry plug or possible sill. Spot high arsenic and silver soil geochemical values occur in the same area.

The chargeability and resistivity anomalies are apparently caused by disseminated pyrite-pyrrhotite-arsenopyrite mineralization surrounding the augite-feldspar porphyry intrusion. The soil geochemical response is due to the galena-sphalerite-arsenopyrite-pyrite veins.

The bulk tonnage potential of the area surrounding the augite-feldspar porphyry intrusion has been adequately tested. More drilling is required to test for possible high grade shoots within shear zones.

STATEMENT OF EXPENDITURES

1. BQTK Diamond Drilling J.T. Thomas Diamond Drilling 1365.4 metres @ $88.59 / metre (includes drill pads, helicopter, camp)	$120,960.00
2. Geology and Sampling	
T. Wall; supervision, core logging 14 days @ $210.00/day	2,940.00
R. Graden; sampling 5 days @ $190.00/day	950.00
3. Analytical	
Min-En laboratories	
231 samples for 31 element ICP @ $13.25	3,060.75
231 samples for gold geochem @ $7.25	1,674.75
5 samples for gold assay @ $8.50	42.50
4. Transportation	
4X4 truck 2 days @ $50.00/day	100.00
5. Report (includes computing, copying, plotting)	1,000.00
TOTAL	$ 130,728.00

AUTHOR'S QUALIFICATIONS

I, Daryl J. Hanson, do hereby certify that:

1. I am a geologist residing at R.R.#1, Quick East Road, Telkwa, British Columbia, V0J 2X0.

2. I am a 1971 graduate of the University of British Columbia, Vancouver, B. C. with a Bachelor of Applied Science degree in Geological Engineering.

3. I was employed as a geologist in mining, exploration, and development capacities with Cyprus Anvil Mining Corporation in Faro, Yukon from September 1973 to April 1981.

4. Between May 1982 and October 1987, I was employed as a contract exploration geologist in northwestern British Columbia, principally with Equity Silver Mines Limited.

5. Since February 1988, I have been employed as an exploration geologist with Equity Silver Mines Limited.

6. I am a Fellow of the Geological Association of Canada.

7. I personally supervised the work programme as described in this report.

Respectfully submitted,
Equity Silver Mines Ltd.

Daryl J. Hanson, B.A.Sc., F.G.A.C.
Exploration Geologist

REFERENCES

Aziz, M.L. (1990). Rock and Silt Geochemistry on the Midnight Property, B.C. Assessment Report

Walcott, P.E. (1991). A Geophysical Report on an Induced Polarization Survey Whitesail Lake Area, B.C. Assessment Report

APPENDIX I

DIAMOND DRILL HOLE GEOLOGIC LOGS, ASSAYS, AND LOGGING CODES

DRILLHOLE LOGGING CODE

Column 1 is a key indicating the type of information on each line.

H - Survey or Header data/information
L - Lithologic data
S - Structural data
A - Assay data
C - Comments

SURVEY OR HEADER DATA

DDHID - Drillhole number
LOGGED BY - Logger's initials
DATE - Year.Month Drilled
GRID AZM. - orientation of grid (000 if True North)

FROM - start of interval in metres
TO - end of interval in metres
AZM - drillhole azimuth
V-ANG - plunge of hole measured from horizontal
NORTHING - north coordinate of collar
EASTING - east coordinate of collar
ELEVATION - collar elevation in metres above sea level

LITHOLOGIC DATA

FROM - start of interval in metres
TO - end of interval in metres
LITH - lithology codes

OVBN - overburden
AT - ash tuff
LT - lapilli tuff
WT - welded tuff
VLCG - volcanic conglomerate
AFP - augite feldspar porpphyry
SS - sandstone
STST - siltstone
CNGL - conglomerate
ARG - argillite
ANDY - andesite dyke
QZVN - quartz vein
FTZN - fault zone
MSDE - massive sulfide vein

MINERAL ABBREVIATIONS

CB - carbonate	PO - pyrrhotite
QZ - quartz	CY - clay
SL - sphalerite	MS - sericite
CL - chlorite	HE - hematite
PY - pyrite	TT - tetrahedite
MG - magnetite	CP - chalcopyrite
EP - epidote	AK - ankerite
HS - specularite	BN - bornite

MISCELLANEOUS ABBREVIATIONS

TR - trace	FG - fine grained
MIN - minor	MG - medium grained
MOD - moderate	CG - coarse grained
INT - intense	W/ - with
BTW - between	W/O - without
EOH - end of hole	SDE - sulfide
ALTN - alteration	MASS - massive
CF - compare	TEXT - texture
FRAG - fragment	INTLEV - interleved
SPHU - spherulites	LAM - laminnations

ASSAY DATA

SAMP# - sample number
REC - core recovery in metres
ppmAG - parts per million silver
ppbAU - parts per billion gold
ppmCU - parts per million copper
ppmAS - " " " arsenic
ppmCD - " " " cadmium
ppmPB - " " " lead
ppmZN - " " " zinc
ppmSB - " " " antimony

DDH MD91DH01 SURVEY LOG

H DDHID : MD91DH01
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	150.88	215.0	-45.0	2113.0	1920.0	xxxx.x

DDH MD91DH01 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	2.74	OVBN				:triconed - no core
L	2.74	12.19	STST		1		:med grish-gy, sdy i/p, abnt worm borrows :thru, burrows often lined w/ gy silica & :filled w/ microxln PY, bedding obliter- :ated by bioturb, occ PY vnlts, PY+GL+SL :vn @ 8.93 m (.7 cm wide), weak frac int.
L	12.19	13.37	STST		4		:med gy, sdy i/p, int frac thru w/ PY+GL+ :SL vnlts, silicified bxia zone @ 12.82 m :(2.5 cm wide) 45 deg to C.A. w/ PY+GL; QZ :vn @ 13.1 metres @ 57 deg to C.A.
L	13.37	19.12	STST		?		:med gy to grish gy, sdy i/p, loc bioturb :bddg @ 19 deg, occ PY vnlts, rare GL+SL :vnlt @ 25 deg, wh QZ vnlts @ 33 deg
L	19.12	22.03	SS		1		:med grish gy, vfg, bioturb, minor diss PY :thru, rare GL+SL vnlts (< 1 mm), QZ vnlts :@ 32 & 56 deg, minor interbed stst, calc
L	22.03	27.21	STST		1		:lt-med gy, loc sdy, minor interbedded ss, :bddg @ 19 deg, bioturb, occ fos bivalves :& gast, tr PY, upper cnt w/ ss intbd @ 17 :deg, lower cnt @ 75 deg (undulatory)
L	27.21	27.59	FTZN				:vfg ss w/ abnt silica & kaol, upper cnt @ :32 deg, minor CL, no sdes.
L	27.59	29.87	SS				:lt-med gy, slty i/p, minor microxln PY dis :thru, grdg loc to stst, occ silicif & :pyritized worm borrows, bioturb, bddg @ 22 :2 cm ash bed @ 29.72 m @ 40 deg
L	29.87	35.06	STST		1		:lt-med gy, loc sdy, bioturb, occ worm bor- :rows & rare fos frags silicified w/ gy :silica and pyritized i/p, bddg? @ 24 deg
L	35.06	35.63	SS		?	Q	:lt-med gy, slty i/p, calc, bioturb, abnt :xln PY thru
L	35.63	40.18	STST		?		:a/a, minor intbd ss, bddg @ 64 deg, abnt :worm burrows thru, burrows appear to be :lined w/ gy silica & filled w/ calcite

						:minor PY, gy silica has microxln PY thru
L	40.18	40.87	WT	1		:mottled gr & purple, wispy banded appear-
						:ance, upper cnt @ 87 deg, wispy bands @ 88
						:tr PY, lower cnt @ 87 deg
L	40.87	41.09	AT	0		:med gr, pyroclasts to 1 mm in aphanitic gm
						:tr diss PY (1%)
L	41.09	42.67	WT			:a/a, tr diss PY
L	42.67	43.37	AT	1		:a/a
L	43.37	44.88	WT	?		:mottled gr-purple, wispy banded appear-
						:ance, PY+AS vnlt @ 43.06 metres (79 deg)
						:minor diss PY, wispy bands at 77 deg
L	44.88	52.41	VCGL	1		:dk gr and maroon, pebbles to 1.2 cm, gen <
						:.5 cm, grdg to VSS, rare PY + AS vnlts @
						:80 deg, bddg @ 80 32 55 deg,
L	52.41	58.20	AT	1		:dk maroon, aphanitic, upper cnt @ 17 deg,
						:minor interbd LT, bddg @ 3 deg @ 53.95 m,
						:fault gouge @ 53.10 - 53.18 m, flt @ 40
						:no vis sdes, bddg @ 57.9 @ 75 deg
L	58.20	68.35	LT	1		:dk maroon or green w/ interbd dk maroon AT
						:bddg @ 21, 41 deg; lap to 40 mm; no vis
						:sdes; lower cnt @ 67 deg
L	68.35	73.12	AT	1		:maroon w/ pale gr CL altered pyroclasts to
						:2 mm thru (gen < 1mm); tr PY in QZ vns; QZ
						:vn @ 69.26 m 1.2 cm wide @ 62 deg
L	73.12	103.43	LT	1		:mottled maroon/gr; CL altn thru; intbd AT;
						:lap to 8 mm; no vis sdes; bddg 79.53 m @
						:54, 84.31 m @ 32; QZ vn 84.98 m @ 42 deg
						:90.44- 102.31 LT grds to dk maroon color
						:87.03 m 1.6 cm QZ vn @ 43, no sdes
						:93.94 m bddg @ 65
						:94.79 m QZ vns @ 61, 46; lap to 55 mm
						:96.43 m bddg @ 64 ; lap to 25 mm
						:97.64 m QZ vn @ 52
						:97.80 m bddg @ 51
						:98.08 m QZ vn @ 72
						:101.82 m bddg @ 54
						:102.31 m - eoi LT mottled gr & maroon, CL
						: altn thru, wk frac int, 1-2% diss
						: microxln PY
						:102.68 m QZ vnlt @ 37 w/ minor xln PY
						:102.76 m QZ vnlt @ 42 w/ minor xln PY
L	103.43	120.83	AT	1	P	:mottled gr/maroon grdg to pale gr; occ lap
						:crackled i/p; minor diss PY thru; upper
						:cnt @ 27
						:105.56 QZ vn @ 42
						:107.98 - 108.25 PY zone; 4 QZ vns w/ abnt
						: xln PY; mnr AS; QZ vns @ 35, 49; PY
						: +AS diss thru
						:110.51 - 111.02 AT a/a; 3-5% PY in vnlts,
						: mnr AS; PY vnlts @ 71, 41
						:111.02 - 111.12 AT; GL+SL vnlts; mnr PY;
						: vnlt @ 58
						:111.12 - 111.84 AT; mottled pale gr/maroon
						: CL altn thru, wk frac int; 1-2% diss
						: PY thru

```
                                        :111.84 - 112.06 AT; PY zone; PY+GL+SL in
                                        :      vns assoc w/ CL altn;
                                        :112.06 - 112.81 AT; mottled pale gr/mar;
                                        :      a/a; <1% PY diss thru
                                        :114.30 QZ vn @ 38
                                        :115.42 QZ vnlt @ 58
                                        :115.82 QZ vnlt @ 43
                                        :117.13 - 117.32 mineralized zone; PY+GL+SL
                                        :      silicified AT w/ kaol altn; possible
                                        :      fault zone
                                        :116.49 - 117.13 AT; pale gr; tr PY+AS diss
                                        :      and rare vnlts; mnr CL altn; mnr QZ
                                        :      altn
                                        :117.32 - 118.45 AT; pale gr grdg to med gr
                                        :      w/ faint maroon blotches, wk-med
                                        :      frac int; mnr microxln PY diss thru
                                        :      assoc w/ QZ vnlts
                                        :118.45 - 118.72 AT a/a; PY zone; 2-3% PY;
                                        :      occ QZ vns w/ mnr assoc PY
                                        :119.23 QZ vn 1.1 cm wide @ 70
                                        :120.44 bddg @ 81
L 120.83 121.51  LT        2     P     :mottled med-pale gr/mar; tr diss PY; lap
                                        :to 50 mm;
L 121.51 125.72  AT        1     P     :med-pale gr; QZ vns @ 61,65,64; bddg @ 56
                                        :med-dk gr, CL altd frags in pale gr aph
                                        :groundmass; tr diss PY
                                        :125.25 6.5 cm QZ vn @ 64
L 125.72 127.88  LT        ?     P     :med-pale gr, aph to vf xln groundmass w/
                                        :dk green angular lap & CL altd plag feld
                                        :upper cnt @ 65
L 127.88 140.92  AT        1     P     :pale gr w/ dk gr CL altd feld; occ lap;
                                        :mnr fn xln PY bordering QZ vns
                                        :129.13 3 mm QZ vnlt w/ GL+SL+PY @ 45
                                        :130.01 QZ vn @ 23
                                        :130.96 QZ vn @ 17
                                        :131.55 QZ vn @ 25
                                        :133.17 QZ vn @ 43
                                        :133.83 bddg @ 52
                                        :135.78 QZ vn @ 42
                                        :138.30 QZ vn @ 58
L 140.92 143.11  LT        3     P     :pale gr w/ dk gr lap to 55 mm; dk gr CL
                                        :altd feld; mnr PY in/along QZ vns
L 143.11 145.44  AT        3           :dk maroon; creamy wh- pale gr, wk CL altd
                                        :angular frags to 1.5 mm thru; occ CB
                                        :filled fracs & open spaces
L 145.44 150.24  AT        4           :med to dk gr; aphan; CB+QZ fills fracs;
                                        :mnr PY assoc w/ QZ+CB vns; <<1 % PY; upper
                                        :cnt @ 83
C                                       :EOH
```

DDH MD91DH01 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	12.19	N/S									
A	12.19	13.37	12841		8.0	303	15.9	75	763	24	1927	44
C	13.37	35.06	N/S									
A	35.06	35.63	12842		1.5	22	0.1	17	94	1	153	3
C	35.63	107.98	N/S									
A	107.98	108.25	12843		15.9	10791	0.1	208	866	42	331	1020
C	108.25	110.51	N/S									
A	110.51	111.02	12844		9.4	642	15.8	152	2010	11	1928	513
A	111.02	111.12	12845		53.6	45	200.2	500	10186	43	19013	43
A	111.12	111.84	12846		2.9	23	0.1	28	455	2	472	2
A	111.84	112.06	12847		67.3	19858	80.1	828	11993	135	8363	4200
A	112.06	112.81	12848		2.5	89	0.1	54	142	5	194	18
C	112.81	116.49	N/S									
A	116.49	117.13	12849		3.7	30	0.3	77	300	24	268	5
A	117.13	117.32	12850		94.8	1228	219.0	2902	9401	473	22311	1120
A	117.32	118.45	12851		2.6	22	0.7	78	288	17	390	4
A	118.45	118.72	12852		1.1	16	0.1	31	86	1	178	3
C	118.72	150.24	N/S									
C	E.O.H @ 150.24 m											

DDH MD91DH02 SURVEY LOG

H DDHID : MD91DH02
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	149.35	215.0	-45.0	2213.0	1988.0	xxxx.x

DDH MR91DH02 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	2.74	OVBN				:triconed - no core
L	2.74	3.44	STST		3		:lt gy; sdy i/p; bioturb; occ worm borrows :silicified i/p; mnr PY+AS in wispy vnlts :thru
L	3.44	4.70	STST		5		:med gy; silicified; PY+AS stringers thru; :QZ+PY+AS stringer @ 56; bioturb
L	4.70	5.57	STST		1		:lt gy; sdy i/p; bioturb; tr PY; kaol :stringer @ 37 deg; tr PO
L	5.57	11.71	SS		?		:lt gy, vfg, silty i/p, bioturbated; abnt :worm burrows filled w/ QZ & mnr xln PY; :bddg is obliterated, jointing @ 52 & 47; :10.64 - 11.71 silicified w/ mnr PO thru; :PO increasing from 11.08 to 11.71
L	11.71	11.92	ARG		?		:med gyish-gr; silty i/p; massive; mnr PO :in wispy stringers; upper cnt @ 62
L	11.92	12.57	SS		?		:lt gy; vfg; slty i/p; bioturb; mnr CL altn :tr PO thru
L	12.57	13.94	SS		?		:a/a; abnt PO in wispy stringers & small :blebs thru; 2-3 % PO; tr AS
L	13.94	30.48	SS		?		:lt gy; grdg to STST; abnt worm burrows; :occ fos frags; occ well preserved bivalves :worm burrows filled w/ QZ+PO; occ PY in :stringers; tr AS; mnr CL altn; QZ altn i/p :rare SL stringers :20.34 - 11 cm wide QZ vn @ 52 deg; abnt PY : mnr AS :21.66 - PY stringer w/ tr AS @ 54 deg :18.95 - bddg? @ 05 :29.88 - bddg? @ 06
L	30.48	35.48	SS		1	Q	:lt gy; silty i/p; grdg to STST loc; :bioturb; mass; rare bddg pres; wk CL altn :QZ altn i/p; mnr PO in irreg blebs & wispy :lens thru; TT; rare fos frags; occ worm :burrows

L	35.48	37.26	SS	1	Q	:a/a; abnt irreg blebs & lenses of PY +/- :GL & SL; tr AS; 3-4 % sdes overall; occ :SL+GL vnlts @ 41, 34, 25 deg
L	37.26	37.41	MSDE			:vn; SL+GL+PY+AS @ 50 deg; w/ 20-30 % gange :(country rock); SL>>GL>PY
L	37.41	38.03	SS	?		:lt gy; vfg; bioturb; mnr fn diss PY thru :(2%); occ PY+GL+SL vnlt (58, 61 deg); SL> :GL
L	38.03	45.11	SS	?		:a/a w/ abnt PY+GL+SL blebs thru; blebs to :3 mm (typically round or oval - may be :replaced burrows); occ PY+SL+GL strgs & :vnlts; tr AS vnlts @ 61, 60, 59 deg :44.30 - PY vnlt @ 64 deg
L	45.11	48.14	SS	?		:a/a; int bioturb; grdg to STST loc; mnr PO :in blebs & wispy strgs thru
L	48.14	52.36	STST	?	Q	:lt gy; sdy i/p; bioturb; mnr SS interbd; :cnt @ 22 deg; QZ altn; mnr CL altn; mnr PO :thru in QZ vnlts & burrow fillings & as :replacement of fos frags :49.77 - bddg @ 51 deg :51.00 - bddg @ 32, small normal ft @ 41 :52.36 - bddg @ 42
L	52.36	66.85	STST	?	Q	:lt gy; sdy i/p; calc; grds loc to SS; bio- :turb; mnr PO thru in wispy lenses and tiny :blebs; silicified; wk CL altn; occ PY :vnlt; loc w/ abnt worm burrows filled w/ :PO :55.20 - PY vnlt @ 61 :61.89 - bddg @ 32
L	66.85	68.75	SS	?	Q	:med gy; f-m grained; poorly sorted; QZ :altn; sbrd clasts; tr PO; cnt @ 61; sl :calc
L	68.75	77.02	STST	?	Q	:lt gy; sdy i/p; mnr CL altn; abnt worm :burrows filled w/ QZ+mnr PO; occ fos frags :71.80 - bddg @ 35 :75.15 - PY+QZ vn @ 33
L	77.02	82.41	SS	?		:med gy to grish gy; vf-fg loc silty; occ :worm burrows; mnr PO; mnr CL altn; occ QZ :vnlt; sl calc; occ fos frags; QZ+PY+PO :vnlt @ 47 deg :79.60 - bddg @ 16 :81.08 - QZ+PO vnlt @ 35 deg
L	82.41	85.20	STST	?		:lt gy; sdy i/p; abnt worm burrows filled :w/ QZ+CB+PO; occ fos frags :82.93 - QZ vn @ 46 :83.08 - bddg @ 42 :83.43 - QZ vn @ 39 :84.21 - bddg @ 12
L	85.20	88.75	STST	1		:lt grish gy; sdy i/p; mnr diss PY thru; :PY is rimmed by gy silica & minor CL altn :mnr PO speckled thru; occ QZ vnlts
L	88.75	113.84	STST	?		:lt grish-gy; sdy i/p; grd to vfg SS; speck :PO thru; bioturb; rare QZ+SL+GL vnlts :89.33 - bddg @ 51 :90.48 - bddg @ 50

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                                        :94.58 - QZ vnlt @ 37
                                        :95.68 - QZ vnlt @ 36
                                        :95.99 - bddg @ 38
                                        :99.11 - bddg @ 35
                                        :104.24 - bddg @ 28
                                        :107.36 - QZ vnlt @ 59
                                        :111.23 - bddg @ 24
                                        :112.13 - QZ+SL+GL vnlt @ 54
                                        :113.18 - QZ vnlt @ 34
                                        :113.38 - QZ vnlt @ 47
L 113.84 114.66  SS        ?            :lt grish gy; vfg; loc grds to STST; QZ+SL
                                        :+GL vnlts (up to 5mm); one QZ+PY+AS vnlt
                                        :(7 mm) @ 45 deg; vnlts @ 42,52,35,51
L 114.66 117.98  SS        1            :med grish gy; fg to med grained loc; tr
                                        :diss PO thru; mnr PY in QZ vnlts; bddg @
                                        :51 deg
L 117.98 119.23  STST      ?            :lt-med grish gy, sdy i/p; loc w/ f-vfg
                                        :interbd SS; PO speckled thru; possible ft
                                        :@ 118.7 @ 10 deg
L 119.23 124.97  SS        2    Q       :lt-med grish gy; vf-fg; loc silty; bioturb
                                        :mnr diss PO thru; QZ fills vnlts; occ PO+
                                        :PY vnlts; mnr CL altn;
                                        :122.57 - QZ vnlt @ 56 mnr PY
                                        :122.79 - PO+PY vnlt @ 77 w/QZ
L 124.97 131.97  STST      ?    Q       :lt gy w/ pale grish tinge due to mnr CL
                                        :altn; loc sdy; mnr PO speckled thru; bio-
                                        :turb; occ fos frags; mnr PY in fos frags
                                        :& QZ vnlts; tr diss PY
L 131.97 149.35  STST      ?            :lt gy w/ pale grish tinge a/a; loc sdy; tr
                                        :PO; tr diss PY; extensively bioturbated;
                                        :abnt worm burrows w/ gy silica and tr PY
                                        :filling; occ fos shell frags
                                        :134.91 - QZ vn (no sdes) @ 43 (2.5 cm)
                                        :143.56 - bddg @ 27
                                        :147.25 - PY vnlt @ 55
                                        :148.97 - PY+SL+GL vnlt @ 30
C                                       :EOH
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DDH MR91DH02 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	2.74	N/S									
A	2.74	3.44	12853		0.3	17	0.1	14	52	1	256	2
A	3.44	4.70	12854		0.4	19	0.1	39	58	1	254	2
A	4.70	5.57	12855		0.4	23	0.1	25	47	1	287	1
C	5.57	10.64	N/S									
A	10.64	11.08	12856		0.4	17	0.1	32	48	1	146	2
A	11.08	11.71	12857		0.5	18	0.1	16	65	1	172	1
A	11.71	11.92	12858		0.3	4	0.1	19	24	1	111	2
A	11.92	12.57	12859		0.4	14	0.1	14	18	1	80	1
A	12.57	13.94	12860		0.5	10	0.1	17	53	1	97	9
A	13.94	15.24	12861		1.3	18	0.2	26	96	1	287	3
A	15.24	18.29	12862		1.0	16	0.1	16	30	1	70	1
A	18.29	22.79	12863		0.9	238	0.1	31	89	11	448	4
A	22.79	27.43	12864		0.5	98	0.1	11	77	3	183	2
A	27.43	30.48	12865		0.8	29	0.1	36	69	1	389	2
A	30.48	32.61	12866		1.2	61	0.1	17	358	3	213	1
A	32.61	35.48	12867		0.8	218	0.1	42	115	5	280	2
A	35.48	37.26	12868		3.6	51	9.1	108	363	2	1283	31
A	37.26	37.41	12869		471.7	148010	2064.4	527	73125	719	182040	16500
A	37.41	38.03	12870		14.9	1176	44.6	181	2183	18	4396	451
A	38.03	42.06	12871		4.5	206	18.0	148	529	2	2091	39
A	42.06	45.11	12872		2.3	29	6.0	113	218	1	854	17
A	45.11	48.14	12873		0.7	16	0.5	37	110	1	433	10
A	48.14	52.36	12874		0.3	19	0.1	16	26	1	100	2
C	52.36	97.53	N/S									
A	97.53	100.58	12875		0.2	16	0.1	19	60	1	133	3
C	100.58	113.84	N/S									
A	113.84	114.66	12876		3.4	134	10.0	51	939	3	1615	64
C	114.66	149.35	N/S									
C	E.O.H @ 149.35 m											

DDH MD91DH03 SURVEY LOG

H DDHID : MD91DH03
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	137.69	215.0	-45.0	2305.0	2052.0	xxxx.x

DDH MD91DH03 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	2.74	OVBN				:triconed - no core
L	2.74	5.04	SS		?	Q	:lt-med gy; f-mg, loc cg; occ fos frags; :<1% diss PO; non calc; mnr CL altn; rare :PY+PO stringers :5.04 - bddg @ 51 deg
L	5.04	9.35	SS		?	Q	:lt-med gy; vf-fg; tr diss PY+AS thru; tr :PO; loc silty :7.97 m bddg @ 89 deg
L	9.35	22.15	SS		3	Q	:med grish gy; mg to cg loc; mnr CL altn; :mnr diss PO; tr AS & PY (3-5% sdes) :10.66 - bddg @ 69 :15.57 - QZ+SL+GL+PY vnlt (1.5 mm) @ 24 :19.34 - QZ+mnr SL+GL+PY vn (2.2 cm) @ 54
L	22.15	26.07	SS		?	Q	:lt-med green-gy; vf-fg; bioturb; occ fos :frags; loc silty; mnr CL altn thru; tr :diss PY; tr PO; loc PY rich zones assoc w/ :QZ; <1% sulfides overall :22.28 - bddg @ 69 deg :23.52 - KO vnlt @ 22
L	26.07	30.20	SS		?	Q	:a/a; QZ & CL altn increasing; mnr diss PO :thru; tr AS; cnt @ 75 deg; mnr MR in vnlts :29.38 - SL+GL+QZ+PY vn (1.2 cm) @ 42
L	30.20	30.48	FTZN				:gouge & SS bxia frags w/ abnt QZ & mnr PY :+AS as matrix i/p; mnr MR; 3% sdes overall :30.4 - flt @ 48 deg
L	30.48	31.38	ARG		4		:lt-med green; silty i/p; mnr fg xln PY :thru; tr AS
L	31.38	37.77	STST		?		:lt gy w/ pale green tinge due to mnr CL :altn; sdy i/p; loc grdg to vfg SS; bioturb :abnt pyritized & silicified worm burrows :occ fos frags; occ PY+QZ+SL+GL vnlts :31.99 - QZ+mnr SL+GL+PY vn (0.9 cm) @ 61 :33.35 - 34.84 mod- int frac zone w/ abnt : QZ+SL+GL+PY vns/vnlts; increasing

						: CL altn; vns/vnlts @ 67,84,11,66
						:34.84 - 37.77 increasingly sdy; wk frac
						: int; occ worm burrows; rare GL+SL+
						: PY vnlts/stringers
L	37.77	39.64	SS	3	Q	:lt gy, vf-fg, non calc; mnr CB in fracs;
						:mnr CL altn; possiible ft @ 39.92 (gouge)
						:mnr PY as diss, in burrows, and in vnlts/
						:stringers thru; tr AS
L	39.64	44.40	STST	?		:a/a; mnr interbd fg SS; bddg @ 57 deg
						:39.64 - 40.99 tr diss microxln PY; rare PY
						: +SL+GL vnlts
						:40.99 - 41.45 abnt worm burrows; abnt PY+
						: SL thru (5% overall)
						:41.45 - 44.40 increas Q altn; patchy CL
						: altn w/ abnt PO
L	44.40	45.86	SS	?		:lt gy w/ pale gr patchy or streaky CL altn
						:thru; vfg; mnr PO filling microvns & irreg
						:blebs thru; tr PY in microvnlts & diss w/
						:assoc Q altn ; 3% sdes overall; bioturb
L	45.86	46.64	STST	1		:lt gy, sdy i/p; bioturb; massive; rare PO
						:tr diss PY; cnt @ 58 deg; bddg @ 35
L	46.64	49.22	STST	?	Q	:lt gy w/ patchy gr CL altn; sdy; bioturb;
						:loc abnt PY; mnr PO; tr SL+GL; abnt worm
						:burrows w/ PY+QZ replacement; QZ+SL+GL+PY
						:vnlt @ 58
L	49.22	65.39	STST	?	Q	:lt gy w/ patchy gr CL altn; bioturb; rare
						:burrows; tr PO, PY
						:54.26 - bddg @ 47
						:55.28 - 56.98 increas CL altn; mnr PO; tr
						: PY; grdg to fg SS
						:58.88 - PY+SL+GL vn (0.6 cm) @ 04
						:59.93 - bddg @ 47
						:62.64 - bddg @ 56
L	65.39	66.35	SS	3	Q	:lt gy w/ med gr patchy CL altn; vf-fg;
						:silty i/p; mnr PO; QZ+PY+SL+GL vnlt @ 10
L	66.35	68.25	SS	?	Q	:lt gy w/ patchy gr CL altn; vfg; grdg to
						:STST; tr PO; tr PY
L	68.25	79.55	SS	1		:a/a; occ blebs PO; tr PY; occ silicified
						:fos frags; loc zones w/ more int Q altn &
						:PY+PO min
L	79.55	81.30	SS	?	Q	:lt-med gy w/ patchy gr CL altn; fg; patchy
						:PY rich zones w/ strong QZ+CL altn; tr PO
L	81.30	83.44	SS	?		:med gy w/ pale gr CL altn thru; mg grdg to
						:fg downward; mnr PY+PO thru; rare SL+GL+QZ
						:vnlt @ 38
L	83.44	83.65	VN			:QZ+PY+SL+GL+AS w/ tr PO; vn @ 54 deg, true
						:width= 15 cm; chaotic mix of sdes & QZ
L	83.65	85.00	STST	?		:lt gy w/ patchy gr CL altn; loc sdy; bio-
						:turb; abnt worm burrows w/ QZ+PY; occ PY
						:+/- MR vnlts & stringers
L	85.00	88.26	STST	?		:a/a; occ QZ + mnr SL/GL/PY vnlts @ 32,51,
						:27; grdg to vfg SS
L	88.26	90.77	SS	?	Q	:lt grish gy, vfg, silty i/p; wk CL altn;
						:bioturb; tr PO, PY; occ microvnlt w/ tr
						:SL+GL+PY

L	90.77	93.88	SS	?	Q	:med gy w/ streaky gr CL altn along vnlts :& microfracs; f-mg; abnt PY+PO thru (4-6%) :tr SL+GL assoc w/ secondary QZ; occ micro- :vnlt w/ SL+GL+PY
L	93.88	95.37	SS	?		:a/a; mnr PY+PO (3%); QZ+PY vnlts @ 62,60, :61
L	95.37	97.54	SS	?		:lt gy w/ patchy gr CL altn; vfg, silty i/p :bioturb; occ QZ+PY+SL+GL vnlts @ 24, 21; :tr PY, PO
L	97.54	98.14	SS	?		:a/a; no sde vnlts; rare PY; tr PO thru
L	98.14	98.75	SSBX	5	Q	:mnr PY+/- AS thru; cnt @ 30
L	98.75	105.40	STST	?		:lt gy w/ pale gr CL altn thru; loc sdy; :loc w/ mnr diss PY thru; occ PY stringer; :tr PO
L	105.40	106.90	STST	4	Q	:rock type ?; crmy wh w/ streaky gr CL altn :CL altn halos along fracs; 3-5% microxln :PY in wispy stringers & vnlts thru; tr AS
L	106.90	107.15	SS	?	Q	:med grish gy; fg; mnr PY diss thru; tr AS
L	107.15	107.88	STST	?	Q	:crmy wh a/a 105.4 - 106.9
L	107.88	108.45	SS	?	Q	:med grish gy, fg; a/a 106.9 - 107.15
L	108.45	111.58	STST	4		:crmy wh- lt gy w/ patchy & streaky gr CL :altn; CL altn along fracs; mnr PY; bioturb :occ worm burrows
L	111.58	121.02	STST	2	Q	:lt gy w/ patchy gr CL altn; loc sdy; loc :w/ mnr PO in wispy vnlts; bioturb;
L	121.02	137.69	SS	3	Q	:lt-med grish gy; vf-fg; silty i/p; mnr CL :altn thru; PY & assoc CL altn line fracs; :tr-mnr PO thru; :133.83 - bddg? @ 12 deg
C						:EOH

DDH MD91DH03 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	2.74	N/S									
A	2.74	5.04	12877		0.6	38	0.1	61	60	1	125	12
A	5.04	9.35	12878		0.5	632	0.1	71	54	10	214	19
A	9.35	12.19	12879		1.1	185	0.1	92	98	3	181	5
A	12.19	15.24	12880		0.7	58	0.1	72	93	1	268	3
A	15.24	18.29	12881		2.3	37	8.4	95	245	1	1384	16
A	18.29	22.15	12882		1.7	160	3.1	70	119	1	964	15
A	22.15	23.96	12883		1.5	296	4.5	96	101	7	1232	11
A	23.96	26.07	12884		1.0	43	0.1	57	42	2	443	8
A	26.07	27.43	12885		0.5	20	1.9	30	37	1	734	3
A	27.43	30.20	12886		2.4	649	2.7	95	220	24	800	20
A	30.20	30.48	12887		4.5	3040	0.1	74	570	122	853	56
A	30.48	31.38	12888		2.8	298	0.1	49	108	8	305	19
A	31.38	33.35	12889		4.1	506	7.0	61	304	7	1161	38

A	33.35	34.84	12890	35.2	1944	128.7	372	9018	62	12070	258
A	34.84	37.49	12891	3.1	727	12.8	94	844	15	1684	30
A	37.49	39.64	12892	1.8	252	0.2	114	296	13	401	5
A	39.64	40.99	12893	4.5	77	2.8	48	1276	5	534	1
A	40.99	41.45	12894	9.9	1967	0.1	624	372	36	167	79
A	41.45	44.40	12895	1.4	496	0.1	91	76	9	406	8
A	44.40	45.86	12896	1.8	38	0.1	81	51	1	171	6
A	45.86	46.64	12897	1.1	58	1.0	43	207	1	372	1
A	46.64	49.92	12898	1.7	56	4.2	187	63	1	863	4
A	49.92	51.82	12899	0.7	92	0.1	46	71	5	318	2
C	51.82	65.39	N/S								
A	65.39	66.35	12900	2.6	18	0.5	81	1004	4	846	1
A	66.35	68.25	12901	0.4	23	0.1	118	67	1	161	3
C	68.25	79.55	N/S								
A	79.55	81.30	12902	1.7	354	0.1	208	65	6	168	19
A	81.30	83.44	12903	2.9	513	0.1	159	290	11	496	14
A	83.44	83.65	12904	61.6	27174	173.9	1299	12073	237	18132	18900
A	83.65	85.00	12905	4.3	517	0.1	183	344	9	331	68
C	85.00	88.26	N/S								
A	88.26	90.77	12906	1.0	371	0.1	52	126	7	275	47
A	90.77	93.88	12907	2.5	32	0.1	228	89	4	149	5
A	93.88	95.37	12908	2.4	56	0.1	169	98	6	135	16
A	95.37	98.41	12909	1.7	440	0.1	92	173	8	406	19
A	98.41	98.75	12910	1.0	165	0.1	26	81	5	277	3
C	98.75	105.40	N/S								
A	105.40	106.90	12911	0.4	140	0.1	37	22	2	88	2
A	106.90	107.15	12912	0.4	896	0.1	236	25	35	93	3
A	107.15	107.88	12913	0.2	115	0.1	38	26	4	99	5
A	107.88	108.45	12914	0.2	361	0.1	75	30	16	376	1
A	108.45	111.50	12915	1.1	39	0.1	42	215	2	137	1
C	111.50	137.69	N/S								
C	E.O.H @ 137.69 m										

DDH MD91DH04 SURVEY LOG

H DDHID : MD91DH04
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	161.54	215.0	-45.0	2411.0	2124.0	xxxx.x

DDH MD91DH04 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	2.74	OVBN				:triconed - no core
L	2.74	3.97	SS		?		:lt-med gy; m-cg, subrd-rd clasts w/ sil :overgrowths; sl calc; mnr PO thru; rare :QZ vns w/ tr CP; occ blebs microxln PY; :bddg @ 67; <1% sdes overall
L	3.97	4.16	QZVN				:mnr SL+PY, tr GL, 3-5% sdes
L	4.16	6.23	SS				:a/a; rare PO; rare PY; no QZ vns
L	6.23	10.88	SS		?		:med gy, vc-cg, subang-sbrd clasts, calc :cement; rare fracs; occ irreg patches PY; :bddg @ 69
L	10.88	12.30	SS		?	Q	:lt gy, vfg, silty i/p, sl calc; no sdes
L	12.30	13.51	SS		?	Q	:lt grish gy, vf-fg, grds loc to STST, occ :fos frags, bioturb, calc; mnr SL+PO+PY :thru; mnr CL altn
L	13.51	14.26	SS		?		:lt gy, vfg, silty i/p; mnr CL altn giving :gr spotted appearance; rare PY
L	14.26	14.81	SS		?	Q	:a/a 12.30 - 13.51; bddg @ 59
L	14.81	15.63	SS		?		:med grish gy, fg, occ fos shell frags :that have been silicified & preserved w/ :PY or PO; bddg @ 47
L	15.63	16.78	SS		1		:c-vcg, subrd-subang, med grish gy; abnt :fos frags thru replaced w/ PO +/- SL +/- :PY; abnt diss PO; sl calc; mnr CL altn :thru; bddg @ 65
L	16.78	18.18	SS		1		:crmy wh-lt gy, vfg, bioturb, silty i/p; :occ fos frags; no vis sdes
L	18.18	18.87	SS		4		:pale gr, vfg; abnt SL fillings fracs; mnr :PY
L	18.87	19.25	SS		1		:pale grish gy, fg, sl calc; tr SL in wispy :microvns; occ fos frags; tr PO
L	19.25	20.04	SS		?		:med gr, vcg, subrd-ang clasts, med - poor :sorting, sl calc; mnr PO+PY+SL thru
L	20.04	20.25	SS		?	Q	:lt gr-gy, vf-fg, calc; rare PY; mnr CL :altn thru

L	20.25	21.20	SS	?		:med gr, vc-cg, subrd-subang, mod sorted, :sl calc; mnr CL altn thru; tr PY+PO
L	21.20	23.77	AFP			:dyke; med gr, fnly xln, hypidiomorphic :granular text; chilled margin; no fracs; :augite xtls are altd to CL; tr PY+PO;
L	23.77	30.08	AFP			:dyke; dk gr, hypidiomorphic gran text, PL :phenos to 1 mm, AG phenos altd to CL; occ :CB vnlts; loc w/ abnt PO; mnr PY; strongly :magnetic
L	30.08	33.26	SS	2		:grish gy, vf-fg, loc silty, bioturb, occ :fos frags, sl calc; mnr CL altn thru; occ :blebs PO+PY
L	33.26	36.27	SS	?		:gr-gy, med-cg, loc vcg, sl calc; CL altn :thru; mnr diss PO thru; occ blebs of micro :xln PY; tr CP assoc w/ PO in calc vn
L	36.27	47.75	AFP	?		:dyke; a/a w/ mnr diss PO thru; upper cnt :@ 40; conjugate set of CB vnlts @ 48, 56 :38.30 - 38.57 mineralized zone w/ mnr PY : +AS diss thru & in QZ vn @ 69
L	47.75	56.99	SS	3		:med gy w/ patchy gr CL altn thru; vf-fg, :calc; occ small blebs of PY; tr PO; CL :altn along fracs; note - seds appear :"cooked" & partially melted; :56.68 - bddg @ 66
L	56.99	60.09	SS	?		:lt-med gy w/ patchy or streaky gr CL altn :thru; vf-fg, calc; mnr PY+PO thru; tr CP :assoc w/ PO+CB vning; occ GL+SL+PY vnlts :@ 56
L	60.09	62.04	SS	3		:a/a; loc grdg to med grained; incr CL altn :& assoc PY+PO mineralization
L	62.04	64.94	SS	?		:grish gy; spotty gr CL altn thru; f-mg; :diss PO thru; occ PY vnlts; increasing CL :altn surrounding sulfides; bddg @ 53
L	64.94	70.10	SS	?	Q?	:lt-med gr-gy; patchy CL altn thru; altn :appears to mimick bddg w/ alternating :CL+PO+/-PY rich horizons and CL-poor, sde :-poor horizons; sl calc
L	70.10	74.29	SS	1		:med grish gy, vf-fg, CL altn thru; hrnfls :i/p; sl calc; mnr diss PO thru; occ irreg :patches of PY+PO w/ abnt assoc CL altn; :occ CB vnlts
L	74.29	80.51	AFP	2		:dyke; med-dk gr; vf xln; mnr PO diss thru; :CB+/-PY microvnlts; occ PO stringers & :blebs
L	80.51	80.82	AFP	?		:dyke; med gr w/ wh QZ streaked thru @ 69; :mnr PY+SL thru
L	80.82	88.21	AFP	?		:med gr, hypidiomorphic granular text; med :grained; AG altered to CL thru; rare GL+SL :+QZ vnlts; tr diss PO thru
L	88.21	90.47	SS?	1		:med grish gy w/ alternating gy & gr hor- :izons @ 68; calc; gr horizons have abnt CL :altn; tr PY
L	90.47	92.49	AFP	?		:a/a 74.29 - 80.51; lower cnt @ 36
L	92.49	96.43	SS	?	Q	:lt-med grish gy; spotty or layered gr CL :altn thru; fg; tr PO; tr SL+PY in vnlts/

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                                        :& microvnlts; tr CP; layering @ 78
L  96.43  96.60  FTZN                   :brecciated altered seds w/ dk gy silica
                                        :matrix w/ mnr-tr CP+PY+PO+GL; true width
                                        :=6.5 cm
L  96.60  99.11  SS        1             :med gr-gy; f-mg, mod calc; wk Q altn; tr
                                        :PY; rare PO vnlts/microvnlts
L  99.11 100.58  SS        ?    Q       :med gr-gy; patchy gr CL altn; abnt fos
                                        :frags replaced w/ silica +/-PY +/-PO; bddg
                                        :@ 72; loc w/ abnt PO+SL+PY & tr CP; 2-4%
                                        :sdes overall
L 100.58 104.21  SS        ?            :a/a; loc w/ int frac & CL+QZ altn; mnr SL
                                        :+PY in QZ altd zones (40 & 60 cm wide);
                                        :no fos; mnr PO thru; bddg @ 59
L 104.21 109.31  ANDY                   :dk gr; vf xln; occ CB vnlts; occ PY micro
                                        :vnlts & blebs; tr diss PO thru; upper cnt
                                        :@ 41; lower cnt @ 38
L 109.31 111.97  SS                     :w/ interbedded STST; gr-gy w/ patchy or
                                        :layered gr CL altd layers & crmy wh QZ
                                        :altd layers; relict bddg @ 52; mnr PO+PY
                                        :thru; tr SL; loc w/ abnt PO+SL; tr CP
                                        :enclosed in SL
L 111.97 113.37  SS        4    Q       :med gr-gy; fg; QZ+CL altn thru; vnlts &
                                        :microvnlts of PO thru; occ PY+SL bearing
                                        :QZ vns @ 65-66
L 113.37 115.41  SS        4    Q       :a/a; intense QZ altn; PY+SL+/-QZ vnlts &
                                        :microvnlts thru; mnr PO thru; tr AS
L 115.41 116.17  STST      2    Q       :med grish gy; CL altn thru; abnt CL altn
                                        :along fracs; mnr PY w/ tr SL in microvnlts
                                        :tr PO
L 116.17 117.63  SS        4    Q       :lt-med gr-gy w/ patchy  CL  altn  thru;
                                        :relict bddg @ 52; abnt PY in vnlts & micro
                                        :vnlts thru; occ PY+SL+GL vnlt; occ zones
                                        :w/ mnr-abnt (3-5% of total) PY+SL
L 117.63 119.35  SS        3    Q       :lt gr-gy; f-mg; mnr diss PY; occ PO micro-
                                        :vnlts; tr SL; CL altn thru;
L 119.35 120.43  SS        ?    Q       :med gr-gy; loc silty; tr PO+PY+SL thru; CL
                                        :altn thru;
L 120.43 123.09  AT?       ?            :lt mauve-gy; abnt angular FD (feldspar)
                                        :frags thru; occ patchy pale green CL altn
                                        :tr PY
L 123.09 137.54  AT        ?            :pale gr-gy or mauve-gr; glassy shards thru
                                        :loc w/ tr PO+PY+/-SL; mnr CL altn; occ CY
                                        :in microvnlts; rare QZ+PY+SL+GL vnlts;
                                        :133.64 - sde vnlt @ 11
                                        :136.94 - sde vnlt @ 49
L 137.54 138.42  AT        3            :lt-med mauve-gy; QZ vnlts thru; occ PY
                                        :vnlt
L 138.42 139.30  AT?       5            :int bxia & frac thru; abnt wh QZ in bxia
                                        :zones and filling microvnlts; tr PY;
                                        :sheared @ 42
L 139.30 140.19  AT?       3    Q       :med gy; tr PO+PY
L 140.19 142.30  AT?       5    Q       :int crackled zone; abnt PY loc; QZ+PY+SL+
                                        :GL vnlt @ 140.47 @ 29 deg; PY+SL vnlt @
                                        :141.05 @ 68; possibly fossiliferous zone
                                        :140.19 - 140.40
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L 142.30 145.08  AT        5    Q   :intensely silicified and crackled a/a; mnr
                                   :PO+PY thru
L 145.08 148.09  AT        3    Q   :mnr PY; mnr CL altn; tr AS
L 148.09 148.64  SS        ?        :fg; w/ abnt PY+ tr SL thru; fossiliferous
                                   :horizon w/ abnt silicified shell frags;
                                   :a/a 140.19 - 140.4; bddg @ 23
L 148.64 153.05  AT        3    Q   :frac int becoming wk in the latter half of
                                   :the interval; microvnlts w/ QZ, PY or PO
                                   :have assoc CL altn
L 153.05 155.70  AFP              :med - dk gr; CL altn thru; occ CB filled
                                   :vnlts; mnr PO diss thru; tr PY; upper cnt
                                   :@ 28; lower cnt @ 23; occ PY bleb; CB vnlt
                                   :@ 58; QZ vn w/ tr PY @ 42
L 155.70 161.40  AT        3    Q   :lt-med gy w/ patchy gr CL altn; PY +/- PO
                                   :in microvns; strong CL altn borders on
                                   :microvns; loc w/ abnt PO+ tr PY+ tr SL+
                                   :tr CP;
C                                  :E.O.H. @ 161.4 m - no more rods
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DDH MD91DH04 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	2.74	N/S									
A	2.74	3.97	12916		0.3	25	3.7	76	71	1	1206	2
A	3.97	4.16	12917		24.1	34	209.6	498	830	4	25464	215
A	4.16	6.23	12918		0.1	13	0.1	42	44	1	581	1
C	6.23	10.88	N/S									
A	10.88	12.30	12919		0.5	9	0.1	11	29	1	341	2
A	12.30	13.51	12920		1.3	34	25.5	27	98	1	4884	9
A	13.51	14.26	12921		0.4	11	0.1	7	18	1	193	21
A	14.26	14.81	12922		1.5	22	19.4	107	76	1	3503	5
A	14.81	15.63	12923		0.1	17	0.1	31	47	1	505	2
A	15.63	16.78	12924		3.8	12	30.1	167	158	1	46	41
A	16.78	18.18	12925		0.5	58	1.4	16	272	1	522	5
A	18.18	18.77	12926		14.3	907	151.3	229	578	45	16317	133
A	18.77	19.25	12927		0.7	91	2.6	28	119	3	956	3
A	19.25	20.04	12928		7.5	85	35.9	162	279	5	4913	100
A	20.04	20.25	12929		0.8	28	0.1	17	43	2	400	15
A	20.25	21.20	12930		0.1	16	0.1	29	30	1	181	2
A	21.20	23.77	12931		0.1	13	0.1	11	24	1	158	1
A	23.77	27.43	12932		0.1	1	0.1	9	28	1	173	6
A	27.43	30.88	12933		0.1	1	0.1	26	46	1	185	2
A	30.88	33.26	12934		1.6	19	0.1	27	75	1	281	8
A	33.26	38.30	N/S									
A	38.30	38.57	12935		5.0	6155	3.3	134	1204	77	3128	198
A	38.57	56.99	N/S									
A	56.99	60.09	12936		1.1	352	0.1	65	166	21	293	10
A	60.09	62.04	12937		0.6	56	0.1	160	45	1	154	6
A	62.04	64.94	12938		5.1	36	0.1	232	47	1	69	43
A	64.94	67.06	12939		0.2	13	0.1	114	60	1	99	4

A	67.06	70.10	12940	2.0	47	0.1	98	25	1	93	1
A	70.10	73.15	12941	2.1	16	0.1	52	24	1	556	9
A	73.15	74.29	12942	2.0	15	0.1	9	22	3	136	2
A	74.29	76.20	12943	2.9	10	0.1	13	23	2	167	2
C	76.20	80.51	N/S								
A	80.51	80.82	12944	2.9	12	10.6	47	62	1	2601	1
C	80.82	92.49	N/S								
A	92.49	94.49	12945	2.5	11	0.1	36	25	1	277	1
A	94.49	96.43	12946	2.5	90	0.1	91	31	1	206	3
A	96.43	96.60	12947	20.7	7304	0.1	347	1971	236	916	101
A	96.60	99.11	12948	2.6	71	0.1	101	42	1	365	1
A	99.11	100.58	12949	4.1	44	23.7	296	68	1	4495	4
A	100.58	104.21	12950	1.9	18	3.1	103	26	1	1208	2
A	104.21	106.68	12951	2.2	10	0.1	47	30	2	170	2
A	106.68	109.31	12952	1.7	9	0.1	39	27	4	156	1
A	109.31	111.97	12953	4.7	19	8.1	201	69	2	2078	94
A	111.97	113.37	12954	2.9	27	0.2	126	51	3	926	7
A	113.37	115.41	12955	11.8	501	37.9	259	1294	8	4237	64
A	115.41	116.17	12956	4.3	40	2.3	102	281	3	699	10
A	116.17	117.63	12957	5.9	15	3.8	154	177	1	862	22
A	117.63	119.35	12958	3.2	10	0.1	95	47	1	305	39
A	119.35	120.43	12959	2.2	25	0.1	38	51	2	195	2
A	120.43	123.09	12960	4.2	5	5.6	47	314	1	732	5
C	123.09	137.54	N/S								
A	137.54	138.42	12961	5.4	123	0.1	132	154	6	194	21
A	138.42	139.30	12962	29.1	14318	25.6	356	1587	77	4171	608
A	139.30	140.19	12963	2.2	62	0.1	101	174	6	154	4
A	140.19	142.30	12964	4.2	19	0.1	386	145	2	241	19
A	142.30	145.08	12965	2.8	94	0.1	176	49	4	277	13
A	145.08	148.09	12966	2.6	310	0.1	90	46	13	126	16
A	148.09	148.64	12967	16.7	400	0.1	1095	951	24	506	82
A	148.64	153.05	12968	3.4	41	0.1	63	73	3	157	5
A	153.05	155.70	12969	3.9	70	0.1	172	168	4	412	38
A	155.70	159.30	12970	4.7	208	0.1	38	70	1	125	48
A	159.30	161.40	12971	1.2	91	0.1	78	69	4	190	2
C	E.O.H @ 161.40 m										

DDH MD91DH05 SURVEY LOG

H DDHID : MD91DH05
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	152.40	225.0	-50.0	2617.0	1888.0	xxxx.x

DDH MD91DH05 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	7.32	OVBN				:triconed - no core
L	7.32	40.80	AFP		1		:dk gr; abnt feldspar & augite phenos in a :dk grish gy microxln groundmass; mnr PO :diss thru; minor CL altn of augite; occ CB :in vnlt; rare PY+QZ vnlts; rare PY thru :in vnlts & microvnlts; weak to mod mag; :mnr CB in amygdules :17.68 - CB vnlt @ 62 :17.87 - QZ+PY vnlt (2 mm) @ 54; tr SL :21.23 - QZ+PY vnlt (1.5 mm) @ 49 :29.67 - QZ+ trPY vnlt(1.5 mm) @ 46
L	40.80	44.13	SS?		?	Q	:med gy; CL altn & Q altn thru; mnr diss PO :occ CB vnlt; abnt spherical bodies (inner :core is white QZ+PY w/ dk gyish gr CL altn :halo); occ PY microvns; upper cnt diffuse; :lower cnt @ 33; CB vnlt @ 51; inclusion?
L	44.13	52.44	AFP		1		:a/a
L	52.44	54.15	SS?		?		:a/a; upper cnt @ 35; lower cnt irreg; abnt :spherical bodies thru (.7 - 1.5 cm dia); :mnr PY+PO thru; inclusion?; possible :spherulitic rhyolite
L	54.15	79.77	AFP		?		:a/a; several fracs w/ Fe stain & a :bleached altn of the porphyry bounding the :fracs; fracs @ 60,61,76 deg :67.99 - QZ+PY vnlt (3 mm) @ 62 :70.82 - QZ vnlt (2 mm) @ 61 :becoming fnly xln @ 74.60; lower cnt irreg :w/ mnr inclusions of country rock; :increase PY from 76.6 - 79.77
L	79.77	84.04	SS		3		:interbd SS - STST; lt-med gy; bddg @ 78; :abnt PO in microvns, vnlts & in dk colored :layers; mnr PY :81.94 - QZ+AS+ mnr PY vn (7mm), @ 61
L	84.04	87.86	ANDY		?		:dk grish black; aphanitic; glassy; abnt PO

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                                        :in microvns & vnlts thru; upper cnt @ 41;
                                        :lower cnt @ 41
L  87.86 120.24  SS          3     Q    :interbd SS-STST; mnr PY thru; PY concen-
                                        :trated in vnlts & microvns & in darker
                                        :grainier layers; tr PO; rare foss frags
                                        :89.56- 89.65 fault? @ 18 deg; flt zone
                                                      filled w/ QZ+tr PY+tr SL
                                        :92.65        bddg @ 64 deg
                                        :94.69        bddg @ 65 deg
                                        :101.60       bddg @ 65 deg
                                        :103.80       decreasing foss frags
                                        :108.06       bddg @ 66
                                        :109.12- 109.25 abnt PY (25-30%); tr PO
                                        :112.62- 112.78 PY+QZ+mnr SL+tr GL fills
                                                      large cavity
                                        :113.98       bddg @ 63
                                        :110.73- 117.57 several QZ+PY+SL+GL vnlts
L 120.24 142.06  STST        1          :pale gr to grish gy, loc sdy, grds loc to
                                        :argillite; loc mod- int frac w/ int Q
                                        :altn w/ PO+PY; occ foss frags; occ hori-
                                        :zones w/ abnt worm burrows
                                        :128.75 - 128.95 abnt PO+PY in silicified
                                        :                zone
                                        :131.15          bddg @ 40
                                        :134.19 - 135.24 abnt worm burrows w/ PO+
                                                         /- PY; abnt PY microvns;
                                                         PY+SL+GL vn (6 mm wide)
                                                         cross-cuts interval @ 09
                                        :141.20          bddg @ 57
L 142.06 143.23  STST        3     Q    :med gr; argillaceous STST; tr PO; upper
                                        :cnt @ 22
L 143.23 152.40  AFP         3          :dk gr w/ pale gr CL altd feldspar phenos
                                        :to 2 mm thru; dk gr-black augite xtls w/
                                        :mnr CL alteration; CB vnlts thru; mnr diss
                                        :PO; mod strong magnetism
                                        :microvns; loc w/ abnt PO+ tr PY+ tr SL+
                                        :tr CP;
C                                       :E.O.H. @ 152.4 m
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DDH MD91DH05 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	76.60	N/S									
A	76.60	79.77	12972		0.5	23	0.1	312	39	1	97	1
A	79.77	84.04	12973		1.1	78	0.1	231	45	1	92	19
A	84.04	87.86	12974		0.6	4	0.1	298	22	1	110	3
A	87.86	91.44	12975		0.1	10	0.1	266	134	1	208	1
A	91.44	94.49	12976		0.4	22	0.1	146	33	1	99	15
A	94.49	97.54	12977		6.9	201	0.1	147	418	1	142	47
A	97.54	100.58	12978		1.0	26	0.1	71	37	1	90	4

A	100.58	103.63	12979	0.9	13	0.1	22	46	1	110	8
A	103.63	106.68	12980	2.0	15	0.9	106	393	1	509	8
A	106.68	109.12	12981	2.5	73	0.1	138	158	1	199	19
A	109.12	109.25	12982	13.0	1	7.7	1651	973	1	1785	7
A	109.25	112.78	12983	3.6	8	5.1	145	653	1	834	2
A	112.78	115.21	12984	1.7	13	3.2	116	135	1	807	1
A	115.21	118.56	12985	9.9	50	19.5	183	2705	10	2406	42
A	118.56	120.24	12986	3.0	14	4.7	67	863	1	865	1
A	120.24	121.31	12987	0.3	20	0.1	10	81	1	116	2
C	121.31	128.75	N/S								
A	128.75	128.95	12988	6.5	1	9.9	1382	244	19	1711	18
C	128.95	134.19	N/S								
A	134.19	135.24	12989	33.6	54	80.8	408	9192	47	7265	260
C	135.24	152.40	N/S								
C	E.O.H. @ 152.40 metres										

DDH MD91DH06 SURVEY LOG

H DDHID : MD91DH06
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	24.34	225.0	-50.0	2614.0	1720.0	xxxx.x

DDH MD91DH06 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	7.62	OVBN				:triconed - no core
L	7.62	10.13	LT				:med gr, aphanitic groundmass w/ pale gr :to dk gr sbrd-ang lap to 6 mm; no sdes
L	10.13	11.49	LT				:med maroon, aphanitic groundmass w/ abnt :shards thru; pale to dk gr sbrd-ang lap :to 50 mm; lower cnt @ 42; no sdes
L	11.49	22.74	AT		2		:med gr, aphanitic groundmass w/ creamy wh :-dk gr or black pyroclasts to 2 mm thru; :CB in microvns; no sdes :12.04 - 12.06 welded tuff @ 64 deg :15.24 - 15.38 bxia zone; CB cements sbang- :ang frags to 25 mm; no sdes :19.64 CB vn @ 63 deg :21.33 bddg @ 34 deg
L	22.74	23.82	LT		1		:med gr, fnly xln groundmass w/ pale - dk :gr sbrd-ang lap to 55 mm; CB microvns; occ :lap have tr PY
L	23.82	24.34	AT		1		:a/a; several PY filled stringers 24.28 to :24.32
C							:E.O.H. @ 24.34 m

DDH MD91DH07 SURVEY LOG

H DDHID : MD91DH07
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	60.96	225.0	-50.0	2614.0	1720.0	xxxx.x

DDH MD91DH06 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	12.36	OVBN				:triconed - no core
L	12.36	19.46	LT		1		:gr or maroon groundmass w/ pale to dk gr :rd to sbang lap to 45 mm; mnr intbd AT; :occ CB filled vnlts; no sdes
L	19.46	21.34	AT				:mottled gr and maroon, aphanitic to fnly :granular groundmass w/ abnt pale grish-gy :to dk gr pyroclasts to 2mm thru; no sdes :upper cnt @ 76 deg
L	21.34	24.99	LT		2		:lt to med gr, fnly granular groundmass w/ :gr to purple sbang to ang lap to 12 mm; CB :in microvns; tr PY in CB vn
L	25.34	59.97	AFP		3		:mottled gr and mnr maroon groundmass w/ :abnt pale gr CL altd feldspar phenos to :2mm thru; occ narrow bxia zones; CB in :microvns and bxia matrix; mnr MG; abnt CL :altd augite thru :22.69 QZ vn w/ tr PY @ 44 deg :33.00 - 33.30 CB in microvns (conjugate : set @ 36 deg) :39.83 CB vn @ 71 :43.08 CB vn @ 77 :47.24 CB vn @ 55 :51.57 CB vn @ 73
L	59.97	60.96	LT		1		:med to lt gr with mod CL altn; CB +/- QZ :in microvns; mnr bxia @ 60.35 m; frags to :35 mm; no sdes; upper cnt @ 80 deg
C							:E.O.H. @ 60.96 m
C							:no samples

DDH MD91DH08 SURVEY LOG

H DDHID : MD91DH08
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	18.29	45.0	-50.0	2735.0	1843.0	xxxx.x

DDH MD91DH06 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	18.29	OVBN				:triconed - no core; blocky ovbn; could :not penetrate to bedrx; hole abandoned
C							:E.O.H. @ 18.28 m

DDH MD91DH09 SURVEY LOG

H DDHID : MD91DH09
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	100.58	090.0	-50.0	2735.0	1843.0	xxxx.x

DDH MD91DH09 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	16.76	OVBN				:triconed - no core
L	16.76	20.05	STST		1		:med gy, fine grained; sdes fill relict ? :min to tr PO, mnr PY, tr AS; tot sde :content 2-3%; strongly altered; non-calc
L	20.05	21.48	SS?				:flt zone?; tan-med gy sdy frags; flow-like :structures @ 55; frags 2-4 mm, weakly sil- :icified; tr PO, tr PY; sdes occur in small :pods
L	21.48	28.31	CNGL		1		:lt gy matrix w/ med gy clasts up to 10.5 :cm; weak QZ altn; weak-mod calc; some :intbd sand and silt; bddg @ 58; loc abnt :PO &PY; overall tr PY, tr PO, tr SL, rare :CP, rare AS, rare GL; QZ vns w/ PY+AS+CP+ :PO; occ shoots of AFP :27.81 - QZ vn @ 49 :28.18 - QZ vn @ 73
L	28.31	52.82	AFP		2		:med-dk purple gy, grding to grish gy w/ :depth; phenos of feldspar & augite thru :w/ mnr CL altn; diss PO thru; occ PY vnlts :occ CB vnlts; mod magnetic; occ sde vnlt :mnr PY (1-2%), tr SL,tr GL, rare AS, rare :CP :28.54 - QZ vn w/ SL+GL+PY @ 52 :29.04 - vn w/ PO+PY+AS+CP @ 52 :PO also occurs in vnlts & stringers; occ :QZ vn; tr CP assoc w/ PO stringers :48.95 - QZ+PY+PO vnlt @ 62 :51.82 - QZ vn (3 cm) @ 67 :42.88 - 44.85 abnt PO +/- PY stringers
L	52.82	54.31	ANDY			P	:dk gr w/ minute feldspar phenos in an :aphanitic groundmass; tr diss PO; tr diss :PY; occ PY vnlts; occ QZ vnlts w/ mnr SL+ :PY+GL @ 49, 53, 53; weak- mod magnetism; :upper cnt -52; lower cnt 53

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L  54.31 100.58  AFP        1        :dk gr-bl w/ abnt crmy wh- pale gr altd
                                     :feldspar phenos thru; gr-black augite
                                     :phenos thru; mnr diss PO; weak-mod
                                     :magnetic; mnr PY diss & in occ stringers
                                     :& vnlts; occ CB vnlt; from 76.0 to EOH
                                     :rare frac, tr PY, rare PY stringers, tr-
                                     :mnr PO; tr MG
                                     :73.51 - QZ vn (.7 cm) @ 45
                                     :84.73 - QZ vnlt @ 44
                                     :89.56 - QZ+SL+mnr CP+tr PY vn (3.5cm) @ 59
                                     :97.99 - PY+QZ+SL vn (3.0 cm wide) @ 37
C                                    :E.O.H. @ 100.58 m
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DDH MD91DH09 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	20.05	N/S									
A	20.05	21.48	12990		1.0	20	0.1	94	147	1	152	3
A	21.48	24.38	12991		0.5	17	0.1	207	61	1	83	2
A	24.38	27.43	12992		0.7	14	0.1	109	40	1	69	2
A	27.43	28.31	12993		8.6	37	38.1	212	641	3	3151	27
A	28.31	30.48	12994		3.5	876	1.1	373	1078	4	852	44
C	30.48	42.83	N/S									
A	42.83	44.85	12995		0.1	53	0.1	325	57	1	155	3
A	44.85	100.58	N/S									
C	E.O.H @ 100.58 m											

DDH MD91DH10 SURVEY LOG

H DDHID : MD91DH10
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	140.21	135.0	-50.0	2425.0	1754.0	xxxx.x

DDH MD91DH10 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	3.05	OVBN				:triconed - no core
L	3.05	17.07	AFP		3		:dk gr w/ large (up to 7 mm) plag laths :thru; dk gr-bl CL altd augite phenos thru :mnr diss MG; pods & vnlts of CB thru; no :sdes; lower cnt @ 52 deg
L	17.07	32.10	AT		3		:gr or maroon; abnt crmy wh- pale gr frags :in a microgran- aphanitic groundmass; :abnt hematite stn on frags from 20.7-22.8; :abnt CB vntls thru; no sdes; non mag; :frac int decreasing to v weak @ 27 m
L	32.10	36.36	VLCG				:volcanic conglomerate (agglomerate?)); :dk maroon matrix w/ maroon or gr rd-sbrd :clasts to 10.5 cm dia; mnr shearing; mnr :CL altn; shear @ 19 deg; mnr gouge @ 56
L	36.36	38.37	AT				:dk maroon aphanitic groundmass w/ maroon, :gr or wh (QZ) pyroclasts thru; shearing @ :25 deg; no sdes; lower cnt @ 42
L	38.37	39.01	AT?				:gouge; pale gr-gy clay w/ AT frags thru; :no sdes
L	39.01	39.45	AT				:a/a; dodecahedral PY at lower cnt
L	39.45	40.36	AT?				:mylonite zone; lt mauve-gy matrix w/ :patchy gr frags; silicified?; mnr diss euh :microxln PY thru
L	40.36	41.31	AT?				:gouge a/a 38.37-39.01; mnr diss PY
L	41.31	41.80	AFP		1		:chilled margin; dk gr; v fnly xln; weakly :mag; mnr diss MG;
L	41.80	43.01	AFP				:shear zone; gouge & brxiatd AFP (chilled :margin); :41.80 - 41.85 SL+QZ+GL+PY+AS+tr CP vn (5 : cm) @ 52 :42.92 - 43.01 QZ+PY+AS+GL+SL+tr CP vn (9 : cm) :mnr diss PY in gouge & bxia; occ wispy sde :stringers

L	43.01	72.87	AFP	3	:pale gr to 45.3 m (wk CL altn); becoming :dk gr w/ pale gr to crmy wh plag laths to :6 mm thru; mnr CL altn; CB vnlts & pods :thru; tr PY, tr PO; v wk - non mag :56.81 CB vnlt @ 45 :65.08 QZ vnlt @ 41
L	72.87	83.17	AT	1	:mottled gr & maroon; hornfelsed; mnr CL :altn; rare PY stringers; occ CB vnlts
L	83.17	140.21	AT	1	:med-dk gy; aphanitic groundmass w/ v fine :xtl? frags thru; occ CB & QZ vnlts thru; :rare PY stringers; occ narrow zones w/ mnr :diss euh PY :87.55 - 87.91 VLCG layering @ 41 :90.64 - CB vnlt @ 41 :92.75 - QZ vn & layering @ 43 :95.69 - layering/bedding @ 60; tr diss PY :107.31 - bddg @ 39 :110.16 - CB vn @ 33 :117.83 - PY+QZ+SL+GL vnlt @ 41 :118.99 - bddg @ 60 :from 118 increasingly pyritic w/ mod frac : intensity :134.5 - QZ vnlt @44
C					: E.O.H. @ 140.21 m

DDH MD91DH10 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	39.45	N/S									
A	39.45	40.36	12996		1.3	10	0.1	165	29	7	66	28
A	40.36	41.31	12997		5.3	23	0.1	365	36	24	118	20
A	41.31	41.80	12998		0.1	36	0.1	26	1173	8	544	1
A	41.80	43.01	12999		82.1	4708	143.1	392	24767	127	13814	1040
A	43.01	45.72	13000		0.6	46	0.1	75	221	1	267	2
C	45.72	140.21	N/S									
C	E.O.H @ 140.21 m											

DDH MD91DH11 SURVEY LOG

H DDHID : MD91DH11
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	155.45	215.0	-45.0	2400.0	2058.0	xxxx.x

DDH MD91DH11 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	4.23	OVBN				:triconed - no core
L	4.23	8.74	SS				:med grish-gy, fine grained; silicified i/p :mnr CL altn thru; mnr PY in stringers & :blebs; tr diss PO; slightly calc
L	8.74	11.99	SS		4	Q	:lt-med gy w/ patchy gr CL altn; gr CL altn :also as microvn selvages; vfg; intense Q :altn; bxia in top 8 cm; sl calc; tr PY; :AS+QZ+PY vnlt @ 9.85 m @ 51 deg
L	11.99	14.21	SS		4	Q	:grish-gy w/ patchy gr CL altn thru; silic- :ified i/p; vf-fg; slightly calc; loc w/ :mnr PO+PY; tr AS
L	14.21	14.27	QZVN				:QZ + massive & xln AS (5%); w/ mnr PY (2- :3%) @ 64 deg; drusy w/ euhedral QZ xtls :to 1 cm long
L	14.27	16.51	SS		3		:gr-gy w/ patchy green CL altn; fg; PO+/- :PY along fracs w/ assoc CL altn; tr AS; :occ PY+SL vnlt @ 55; sl calc
L	16.51	16.69	SS		3		:a/a 14.27- 16.51 ; mnr AS thru
L	16.69	20.42	SS		1		:med gr-gy, fg; mnr CL altn thru; occ PY+ :SL vnlts @ 67 deg; occ kaolinite in micro- :vn; bddg 57-65; sl calc
L	20.42	33.27	SS		3		:med gr-gy w/ patchy gr CL altn; f-med g; :fair-good intergranular sorting; mnr diss :PY and tr AS; occ PY vnlts; CL altn selv-& :ages along PO or PY microvns; sl calc; :intbd vfg SS, locally silty
L	33.27	39.62	SS		2		:gr-gy, med g to loc cg; sl calc; CL altn :+ PO along fracs; mnr diss PO+/-PY thru
L	39.62	50.95	SS		2		:gr-gy w/ patchy or streaky gr CL altn thru :f-vfg; loc slty; sl calc; PO + CL altn :along fracs a/a; occ PY vnlt; mnr PO diss :thru :40.14 bddg @ 61 :49.39 PY+GL+SL vnlt (4mm) @ 16 deg

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L  50.95  55.33  SS        ?       :a/a; abnt CL altn thru; occ zones w/ abnt
                                    :silica altn + PY+/-PO
L  55.33  60.96  ARG       1       :pale gr-gy; slty i/p; mnr CL altn thru;
                                    :bioturb w/ abnt worm burrows preserved w/
                                    :gy silica +/- PO; occ PY vnlts; tr SL; tr
                                    :AS
L  60.96  61.66  SS                :bxia zone; ang frags of vfg SS in a matrix
                                    :of gy silica w/ abnt diss microxln PY &
                                     mnr PO; tr SL+GL; tr AS
L  61.66  80.21  SS        4    Q  :lt gy w/ patchy or streaky gr CL altn thru
                                    :vfg; slty i/p; PY + tr SL in microvns; tr
                                    :PO; occ SL+GL+PY vnlts; minor MR; tr AS
                                    :69.95 - bddg @ 34
                                    :72.88 - bddg @ 45
L  80.21  83.30  ANDY              :dk gr -bl, vf xln; minute feldspar phenos
                                    :thru; mnr fnly diss PO thru; wk mag; occ
                                    :CB  vnlt;  upper cnt @ 40  (sharp);lower
                                    :cnt  approx 60 (diffuse)
L  83.30  88.14  SS        3       :lt-med gy w/ patchy gr CL altn; fg; occ
                                    kaol microvns; tr-mnr PO+PY thru; rare AS;
                                    :silicified i/p; bddg @ 47;
L  88.14  89.05  STST      4       :lt-med gy w/ patchy or streaky gr CL altn
                                    :PO in microvns w/ assoc CL selvages; rare
                                    :CP w/ PO; tr PY; tr AS; bddg is obliter-
                                    :ated by alteration; sdy i/p
L  89.05 100.73  STST      3       :a/a; loc intense frac; mnr PO thru; tr CP;
                                    :tr PY; grdg to vfg SS; tr AS
L 100.73 103.00  STST      3       :lt crmy gy; Fe stain along fracs; mnr AS
                                    :+MR (or PY) along fracs
L 103.00 110.36  SS        1    Q  :lt gy w/ patchy gr CL altn thru; vf-fg;
                                    :slty i/p; tr PY+PO thru; rare SL+GL vnlts
                                    :@ 42 deg
L 110.36 113.68  SS?       4    Q  :lt gy; gy silica + mnr PO+PY+/-AS fills
                                    :microvns w/ assoc CL altn; white silica
                                    replaces protolith
L 113.68 155.45  SS        3       :lt gy w/ patchy or streaky gr CL altn; fg;
                                    :silty i/p; CL altn along fracs; tr PO w/
                                    :small tr CP; tr SL; rare SL+GL vnlts; tr
                                    :AS; silicified i/p w/ int fracs and w/ mnr
                                    :PO thru and loc w/ mnr SL; calc;
                                    :125.17 - bddg @ 26
                                    :130.44 - bddg @ 25
                                    :from 136.55 decreasing silicification;
                                    :            increasing PO
                                    :144.24 - 144.49 PY rich zone; tr AS
                                    :144.95 - bddg @ 28
                                    :147.80 - SL+GL+QZ+PY vnlt @ 43; bddg @ -42
                                    :         (ie x cutting); rare fos frags
                                    :148.11 - PY+SL+GL+QZ vnlt @ 44
                                    :153.93 - bddg @ 42; bioturb i/p
C                                   :E.O.H. @ 155.45 m
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DDH MD91DH11 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	4.23	N/S									
A	4.23	6.10	13041		0.1	1	0.1	42	25	1	107	1
A	6.10	8.74	13042		0.1	1	0.1	181	35	1	163	1
A	8.74	11.99	13043		0.2	112	0.1	12	56	1	192	3
A	11.99	14.21	13044		9.9	18	0.1	199	301	1	556	56
A	14.21	14.27	13045		24.8	92085	266.3	115	851	158	1175	5330
A	14.27	16.51	13046		2.9	430	2.5	210	441	1	834	2
A	16.51	16.69	13047		5.5	139	10.4	224	668	1	1488	3
A	16.69	20.42	13048		1.9	14	0.1	90	115	1	247	2
A	20.42	21.33	13049		1.8	38	0.1	207	142	1	372	1
A	21.33	24.38	13050		1.0	1	0.1	186	44	1	272	1
A	24.38	27.43	13051		0.2	1	0.1	106	18	1	81	2
A	27.43	29.87	13052		0.7	1	0.1	117	19	1	104	1
A	29.87	33.27	13053		0.2	2	0.1	85	18	1	140	1
A	33.27	35.97	13054		0.6	3	0.1	62	43	1	87	1
A	35.97	39.62	13055		0.4	181	0.1	52	25	1	98	1
A	39.62	42.67	13056		0.6	1	0.1	86	32	1	150	2
A	42.67	45.72	13057		0.3	1	0.1	52	32	1	140	1
A	45.72	48.77	13058		0.6	10	0.1	65	90	1	183	1
A	48.77	50.95	13059		2.2	1	6.8	144	424	1	1093	2
A	50.95	53.07	13060		10.4	1	1.1	520	572	1	917	64
A	53.07	55.03	13061		4.9	1821	0.1	319	547	62	375	40
A	55.03	57.91	13062		0.6	1259	0.1	62	47	41	135	2
A	57.91	60.96	13063		0.8	440	0.1	50	56	5	243	1
A	60.96	61.66	13064		8.6	17086	61.7	244	993	319	8965	656
A	61.66	64.01	13065		1.1	938	0.1	170	37	30	304	1
A	64.01	67.06	13066		1.1	208	0.1	239	83	6	106	2
A	67.06	70.10	13067		1.2	453	3.3	101	46	12	1325	1
A	70.10	73.46	13068		0.6	550	6.4	67	90	1	1627	20
A	73.46	76.20	13069		0.5	3	0.1	37	74	1	273	1
A	76.20	79.05	13070		1.7	107	0.1	55	99	1	299	2
A	79.05	80.21	13071		2.0	19	0.9	56	59	3	492	6
A	80.21	83.30	13072		0.1	23	0.1	83	58	1	1291	1
A	83.30	85.34	13073		0.4	4	17.7	18	40	1	3431	7
A	85.34	88.14	13074		2.1	9	27.7	82	130	1	4207	22
A	88.14	89.05	13075		2.1	1	0.1	115	274	1	701	5
A	89.05	91.44	13076		1.2	1	0.1	45	62	1	299	19
A	91.44	94.49	13077		1.6	126	0.1	36	196	1	363	12
A	94.49	97.56	13078		0.7	25	0.1	37	103	1	235	1
A	97.56	100.74	13079		1.2	82	0.1	37	39	1	375	2
A	100.74	103.00	13080		1.2	621	0.1	42	38	24	152	2
A	103.00	106.68	12721		0.1	38	0.1	43	29	8	240	9
A	106.68	110.36	12722		0.6	42	0.1	17	133	8	271	2
A	110.36	113.68	12723		1.5	642	0.1	135	75	9	139	4
A	113.68	115.82	12724		0.1	17	0.1	13	90	2	323	1
A	115.82	118.89	12725		0.7	49	0.1	22	344	3	313	1
A	118.89	121.92	12726		0.1	12	0.1	22	25	1	85	2
A	121.92	124.97	12727		0.8	16	2.4	44	102	1	698	3
A	124.97	128.02	12728		0.8	8	0.1	83	99	1	210	2
A	128.02	131.06	12729		0.7	13	0.1	88	45	1	128	4

A	131.06	134.11	12730	1.0	6	6.0	58	88	1	982	2
A	134.11	136.55	12731	0.8	23	0.1	65	49	1	308	1
A	136.55	139.60	12732	0.9	26	0.1	68	67	1	127	2
A	139.60	144.24	12733	0.7	42	0.1	87	49	1	290	2
A	144.24	144.49	12734	12.2	1	0.1	692	507	1	216	48
A	144.49	146.31	12735	1.1	17	0.1	90	60	3	154	1
A	146.31	149.35	12736	2.3	32	0.5	86	484	2	479	20
A	149.35	152.40	12737	0.7	9	0.1	61	61	1	168	2
A	152.40	155.45	12738	1.0	56	0.1	73	127	4	496	1
C	E.O.H @ 155.45 m										

DDH MD91DH12 SURVEY LOG

H DDHID : MD91DH12
H LOGGED BY : TW
H DATE : SEP 91
H CORE SIZE : TWBQ
H PROPERTY : MIDNIGHT
H GRID AZM. : 000

	FROM (m)	TO (m)	AZM.	V-ANG	NORTHING (m)	EASTING (m)	ELEVATION (m)
R	0.0	121.92	215.0	-45.0	2338.0	2132.0	xxxx.x

DDH MD91DH12 LITHOLOGIC LOG

	FROM (m)	TO (m)	LITH	LC	IF	ALT	COMMENTS
L	0.0	3.05	OVBN				:triconed - no core
L	3.05	23.89	AFP		1		:med-dk gr; variably porphyritic w/ fnly :xln - cryptoxln; occ inclusions of seds :(ie must be close to cnt); occ strgs of :PO; wk-mod mag; occ PY vnlts; occ CB vnlts :grds to rarely porphyritic; typically dk :gr w/ dk gr-bl phenos of Augite thru & :fnly xln
L	23.89	26.14	SS				:med gy; vcg (conglomeratic i/p); rd -sbang :clasts in a calc matrix; tr PY+PO thru; :mnr CL altn
L	26.14	32.13	SS		1		:med gy; f-mg w/ interbd STST; calc; tr PY :mnr CL altn; bddg @ 60; mnr cnt metamor- :phism
L	32.13	35.43	ANDY				:med-dk gr ; v fnly xln; minute feldspar :phenos thru; rare CB microvns; occ PY strg :wk mag
L	35.43	50.34	STST				:altd med gr-gy w/ patchy gr CL altn; sdy :i/p; calc; rock appears to have been :partially melted; tr PO thru; occ QZ+SL+/- :GL vnlts @ 24, 38 :44.03 - 44.43 fractured int w/ QZ+ abnt : SL+ tr GL + tr CP :44.43 - 44.88 mnr PY microvns :44.88 - 45.61 int frac; PY+ tr SL in : microveins; massive SL vn :(4cm) @ 45.44 m
L	50.34	50.59	CNGL				:purple, white, grey, green clasts in a gr :CL altd matrix; rd-subr clasts to 12mm :mnr PY in small patches
L	50.59	59.63	SS		1		:gr-gy, f-mg, loc cg; mnr CL altn thru :(relatively fresh); tr diss PY; rare PY+ :SL+/-GL vnlts :51.30 bddg @ 51

					:59.51 bddg @ 50
					:56.80 - QZ+PY+GL+SL vn (1 cm wide) @ -42
					:(ie dips opposite to bddg)
L	59.63	70.20	SS	2	:gr-gy w/ patchy gr CL altn thru; vf-fg;
					:slty i/p; occ PY+SL+/-GL vnlt; vnlts at
					:random orientations
					:59.63 - 61.97 several PY+SL+/-GL vnlts
					: <1mm @ random orientation
L	70.20	71.46	SS		:med gr-gy, m-cg; mnr CL altn; trPY; bddg
					:@ 42; QZ vn @ -35; tr PO; v wk mag;
L	71.46	86.41	SS	1	:med gr-gy, vf-fg; mnr CL altn thru; small
					:tr PO; occ Kaolinite microvn; occ PY strgs
					:calc;
					:74.30 - bddg @ 45
					:80.40 - 83.05 SS grdg to mg; occ PO blebs
					: v wk frac; bddg @ 53
L	86.41	104.64	SS	1	:med gy, f-mg, silica cement; tr-mnr PY w/
					:assoc CL altn; occ CB vnlt; rare PY+SL+GL
					:vnlt; calc; occ blebs, strgs & thin bands
					:of microxln PY; poorly defined bddg down
					:interval
					:89.14 CB vnlt @ 61
					:93.63 PY+GL+SL+GR? vnlt @ 53
					:103.93 - 104.64 abnt PY + tr SL strgs
L	104.64	109.37	STST	4	:med gr-gy; sdy i/p ; silicified i/p; mnr
					:PY+PO thru; occ PY+SL+/-GL strgs
L	109.37	121.92	SS	3	:lt-med gy w/ spotty pale green CL altn
					:thru; vf-fg; loc slty; calc; mnr PY+PO
					:thru in wispy strgs; occ PY+SL+GL vnlt @
					:40 deg
					:109.37 - 111.97 occ PY+/-SL strgs thru
					:111.97 - 113.82 tr diss PO; small tr PY
					:113.82 - 115.82 mod frac int; PO microvns
					: w/ assoc CL altn; occ PY+
					: SL+GL vnlt @ 30; slightly
					: silicified
					:115.82 - 118.03 mod-int frac; increasing
					: silicification; mnr PY+SL
					: in vnlts, strgs & blebs
					: thru
					:118.03 - 120.20 mod frac; mnr PY+PO
					:120.20 - 121.92 wk frac; tr PY; tr PO
C					:E.O.H. @ 121.92 m

DDH MD91DH12 ASSAY LOG

	FROM (m)	TO (m)	SAMP#	REC. (m)	AG ppm	AS ppm	CD ppm	CU ppm	PB ppm	SB ppm	ZN ppm	AU ppb
C	0.00	44.03	N/S									
A	44.03	44.43	12739		6.2	527	135.7	382	471	29	15939	38
A	44.43	44.88	12740		1.2	522	0.1	105	142	10	535	22
A	44.88	45.61	12741		6.3	8636	449.2	277	509	87	99495	890
A	45.61	49.15	12742		6.7	490	6.4	52	432	17	1338	50
C	49.15	59.63	N/S									
A	59.63	61.97	12743		1.5	199	2.9	94	153	2	1053	20
C	61.97	103.93	N/S									
A	103.93	104.64	12744		1.6	19	1.6	73	276	1	476	2
A	104.64	109.37	12745		1.1	15	7.1	148	166	1	1123	3
A	109.37	111.97	12746		1.3	87	0.1	66	155	1	279	14
A	111.97	113.82	12747		1.1	37	0.1	76	75	1	148	2
A	113.82	115.82	12748		1.4	25	0.1	65	173	1	322	2
A	115.82	118.03	12749		11.0	794	22.1	271	486	2	3752	102
A	118.03	120.20	12750		1.0	58	0.1	78	63	4	635	3
A	120.20	121.92	12751		0.1	30	0.1	51	38	3	195	1
C	E.O.H @ 121.92 m											

APPENDIX II

MIN-EN LABORATORIES

ANALYTICAL RESULTS

COMP: EQUITY SILVER MINES
PROJ:
ATTN: D.HANSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0847-RJ1+2
DATE: 91/09/30
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
12841	8.0	4490	303	9	37	.1	3	53270	15.9	8	75	28340	2130	4	9070	3835	1	90	5	420	763	24	39	1	16	12.5	1927	2	1	1	20
12842	1.5	20490	22	5	15	.1	5	71920	.1	8	16	43360	900	30	37190	4379	14	80	1	800	94	1	98	1	29	27.9	153	1	1	1	32
12843	15.9	16710	10791	7	24	.1	3	38680	.1	19	208	88100	1800	21	5000	5765	1	320	1	1080	866	42	48	1	24	17.2	331	1	1	1	38
12844	9.4	19860	642	5	53	.1	3	47730	15.8	17	152	47470	3690	16	4900	3867	1	560	1	1370	2010	11	55	1	24	20.0	1928	1	1	1	22
12845	53.6	11580	45	7	41	.1	7	52310	200.2	16	500	37020	2520	10	3930	8991	4	400	10	870	10186	43	50	1	19	14.1	19013	1	1	1	96
12846	2.9	18710	23	2	58	.1	3	49870	.1	10	28	39020	2950	17	5380	5340	1	440	2	1350	455	2	52	1	19	17.8	472	2	1	1	16
12847	67.3	14550	19858	4	38	.1	4	14400	80.1	17	828	72190	2520	14	3460	4595	1	340	1	1220	11993	135	27	1	14	13.2	8363	1	1	1	25
12848	2.5	15570	89	1	55	.1	4	47110	.1	12	54	31990	3220	13	4320	4737	1	500	6	1320	142	5	49	1	16	16.1	194	2	1	1	10
12849	3.7	9940	30	1	43	.1	3	45470	.3	9	77	31430	3050	12	4960	3773	1	510	4	1520	300	24	55	1	11	14.6	268	1	1	1	6
12850	94.8	14610	1228	6	208	.1	8	20410	219.0	28	2902	72580	1560	48	8870	5211	4	250	1	1140	9401	473	34	1	10	21.7	22311	1	1	1	40
12851	2.6	11520	22	1	31	.1	2	51780	.7	12	78	32020	1980	15	4930	3615	1	370	2	1430	288	17	61	1	12	14.6	390	2	1	1	19
12852	1.1	11920	16	1	24	.1	3	53650	.1	11	31	24320	1670	17	3510	2167	1	380	2	1140	86	1	67	1	11	13.2	178	2	1	1	16
12853	.3	17680	17	2	66	.2	3	24070	.1	7	14	31590	2550	16	9170	1713	1	530	1	1520	52	1	40	1	150	29.8	256	4	1	2	50
12854	.4	16930	19	1	56	.1	3	19690	.1	8	39	35590	2380	15	8750	1559	1	650	1	1540	58	1	33	1	141	32.1	254	4	1	2	45
12855	.4	19920	23	1	64	.2	3	21980	.1	8	25	33980	4020	16	10010	1869	1	410	1	1210	47	1	33	1	183	34.6	287	4	1	3	58
12856	.4	17530	17	1	43	.1	3	22470	.1	8	32	32530	2770	15	9760	1628	1	540	1	1190	48	1	38	1	155	36.2	146	4	1	3	69
12857	.5	15970	18	1	67	.2	2	19390	.1	6	16	24860	3400	13	7010	1325	1	480	1	1610	65	1	29	2	153	23.4	172	4	1	1	30
12858	.3	19050	4	1	82	.2	3	23180	.1	7	19	30600	4520	15	7020	1348	1	530	1	1450	24	1	34	1	208	19.3	111	3	1	3	62
12859	.4	16760	14	3	63	.3	3	22390	.1	7	14	29210	3700	14	5790	1241	1	620	1	1600	18	1	37	1	171	20.6	80	4	1	2	53
12860	.5	14350	10	2	58	.1	3	21650	.1	6	17	30080	2660	13	6170	1637	1	480	1	1600	53	1	33	2	141	25.2	97	4	1	2	37
12861	1.3	9360	18	1	36	.1	2	48650	.2	6	26	17970	2400	8	4360	1761	1	360	5	650	96	1	43	1	95	22.7	287	4	1	3	71
12862	1.0	12810	16	1	24	.1	4	52520	.1	5	16	23540	2380	12	7290	1551	1	310	2	770	30	1	43	1	114	25.0	70	5	1	3	53
12863	.9	13740	238	1	86	.3	3	25020	.1	6	31	28770	3650	11	6640	2077	1	170	1	1070	89	11	31	1	85	19.8	448	3	1	2	40
12864	.5	18250	98	1	70	.3	4	34520	.1	7	11	33400	4690	16	13010	2516	1	130	1	1190	77	3	43	1	117	28.6	183	4	1	2	25
12865	.8	20900	29	1	67	.4	3	30410	.1	11	36	31810	4630	20	12720	1937	1	140	1	880	69	1	53	1	116	27.2	389	5	1	2	34
12866	1.2	25710	61	1	74	.4	4	41670	.1	11	17	40160	5870	26	14620	2299	1	150	11	1050	358	3	57	1	174	48.6	213	5	1	2	42
12867	.8	15330	218	1	48	.4	2	32580	.1	9	42	35470	4900	16	8350	2354	1	100	1	760	115	5	37	1	145	22.5	280	1	1	1	29
12868	3.6	10430	51	1	63	.1	3	23150	9.1	8	108	35820	5650	5	7540	3234	1	80	1	1230	363	2	26	1	85	14.4	1283	2	1	1	34
12869	471.7	2120	148010	21	6	.1	78	5670	2064.4	25	527	124140	1140	1	1220	613	12	10	1	290	73125	719	11	1	16	.7	182040	1	4	39	36
12870	14.9	6850	1176	1	57	.3	4	10210	44.6	7	181	43080	3840	4	4400	2084	1	50	1	1430	2183	18	13	1	34	6.5	4396	1	1	1	23
12871	4.5	6550	206	11	81	.1	4	23110	18.0	8	148	36780	3520	5	4270	2188	1	170	1	1320	529	2	24	1	40	11.3	2091	1	1	1	45
12872	2.3	5310	29	7	68	.2	3	24550	6.0	8	113	34970	2630	4	4340	1790	1	240	1	1430	218	1	26	2	33	12.9	854	1	1	1	22
12873	.7	13300	16	5	77	.2	3	24480	.5	7	37	30110	2740	13	7040	1554	1	280	1	870	110	1	29	1	76	27.4	433	2	1	3	50
12874	.3	18780	19	5	52	.2	4	38680	.1	8	16	29330	2920	20	12730	1155	1	160	1	590	26	1	39	1	93	28.5	100	4	1	2	32
12875	.2	17620	16	5	33	.6	3	18890	.1	9	19	34570	2340	16	11910	879	1	220	1	590	60	1	37	2	45	25.2	133	4	1	1	18
12876	3.4	14000	134	7	380	.3	4	29740	10.0	14	51	50730	2690	18	11310	3429	1	130	1	750	939	3	49	1	30	28.2	1615	1	1	1	19
12877	.6	18850	38	3	33	.1	4	26430	.1	11	61	39280	2070	19	14440	2057	1	110	1	720	60	1	29	1	98	34.1	125	3	1	2	22
12878	.5	21290	632	4	69	.3	5	21100	.1	12	71	41460	3890	20	13060	1873	1	140	4	990	54	10	28	2	124	42.4	214	3	1	2	29
12879	1.1	18180	185	4	64	.1	5	28280	.1	12	92	40230	2710	17	12580	2354	1	180	4	550	98	3	32	2	116	40.8	181	4	1	2	29
12880	.7	15790	58	4	139	.1	4	19990	.1	10	72	32650	3090	15	9950	1813	3	730	2	550	93	1	28	1	129	30.0	268	2	1	2	44
12881	2.3	14830	37	4	27	.1	4	21800	8.4	11	95	36190	2370	12	9740	2288	2	300	3	580	245	1	26	1	111	44.4	1384	3	1	1	37
12882	1.7	16800	160	4	42	.1	4	35890	3.1	9	70	35190	2620	14	10970	2660	1	290	3	500	119	1	29	1	105	42.0	964	3	1	2	49
12883	1.5	16970	296	4	94	.1	4	43560	4.5	16	96	39850	2650	15	13040	3411	2	100	7	380	101	7	44	1	74	33.5	1232	3	1	2	34
12884	1.0	15770	43	3	73	.1	4	25420	.1	13	57	32880	2380	14	11010	2119	1	240	4	440	42	2	32	1	97	36.2	443	3	1	3	55
12885	.5	16940	20	3	82	.1	3	32420	1.9	8	30	31590	2940	15	11860	2683	1	340	4	520	37	1	34	1	107	41.9	734	3	1	2	45
12886	2.4	11040	649	4	71	.1	4	25310	2.7	10	95	38690	2890	11	9340	2984	6	110	2	610	220	24	33	1	58	27.9	800	2	1	2	52
12887	4.5	5550	3040	4	79	.1	4	18130	.1	9	74	32580	2830	5	5070	3257	11	50	7	340	570	122	22	1	54	19.0	853	1	1	3	82
12888	2.8	6530	298	4	42	.2	5	14470	.1	6	49	30940	3340	5	4850	2945	1	50	3	480	108	8	20	1	48	21.1	305	1	1	2	38
12889	4.1	8320	506	4	40	.2	7	19460	7.0	8	61	32390	4070	8	7790	3061	1	60	5	560	304	7	31	1	91	22.7	1161	1	1	1	26
12890	35.2	5730	1944	6	32	.2	8	15240	128.7	15	372	39730	3380	4	4540	1932	3	50	4	450	9018	62	19	1	50	18.7	12070	1	1	1	48
12891	3.1	10540	727	4	31	.3	4	16670	12.8	10	94	42890	3490	11	9460	2590	1	50	1	580	844	15	18	2	75	27.7	1684	1	1	1	21
12892	1.8	10720	252	4	52	.2	3	19000	.2	9	114	39010	3030	10	7590	1834	1	50	1	660	196	13	19	1	50	30.3	401	1	1	1	30
12893	4.5	11060	77	3	51	.3	3	19340	2.8	3	48	20850	3630	10	5920	1491	1	460	2	470	1726	5	23	1	53	18.3	534	2	1	2	41
12894	9.9	5950	1967	5	24	.1	5	27720	.1	26	624	90340	1880	7	9220	3559	1	30	1	460	372	36	27	1	20	23.3	167	1	1	2	51
12895	1.4	14240	496	3	47	.2	4	41420	.1	6	91	32650	2580	16	9510	2209	1	60	1	620	76	9	41	1	42	23.2	406	4	1	2	37
12896	1.8	15000	38	3	46	.3	4	33060	.1	8	81	31840	2520	15	8630	1541	1	220	1	640	51	1	34	1	70	33.7	171	3	1	2	48
12897	1.1	13640	58	2	70	.4	3	20260	1.0	7	43	23430	2780	13	8060	1200	1	300	2	450	207	1	31	2	62	27.5	372	4	1	2	44
12898	1.7	14570	56	4	45	.1	5	37370	4.2	10	187	44630	2020	16	9480	2186	1	100	1	520	63	1	32	1	50	27.5	863	3	1	2	37
12899	.7	16290	92	2	54	.3	4	19140	.1	7	46	32520	2950	16	9680	1538	1	50	1	500	71	5	21	2	79	22.3	318	3	1	2	26
12900	2.6	24210	18	3	29	.3	5	33930	.5	12	81	49630	3450	24	16090	2769	1	80	1	700	1004	4	32	1	144	23.3	846	4	1	2	30

COMP: EQUITY SILVER MINES
PROJ:
ATTN: D.HANSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0847-RJ3
DATE: 91/09/30
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
12901	.4	20840	23	8	42	.4	4	24070	.1	10	118	37000	3970	22	12030	1774	1	200	1	780	67	1	40	1	175	34.4	161	2	1	2	29
12902	1.7	22680	354	7	66	.4	5	22280	.1	20	208	48110	5450	29	9980	1675	1	90	1	610	65	6	49	1	171	33.7	168	2	1	1	16
12903	2.9	28660	513	7	57	.2	5	24270	.1	15	159	59310	6800	38	14020	2679	1	90	1	1210	290	11	37	1	249	59.0	496	3	1	2	16
12904	61.6	4870	27174	12	23	.1	4	14390	173.9	49	1299	157300	1260	8	2450	1574	1	10	1	120	12073	237	11	1	36	12.0	18132	1	1	1	68
12905	4.3	8900	517	5	74	.3	3	14140	.1	12	183	40600	4210	8	5270	2165	1	60	3	530	344	9	19	1	69	28.2	331	1	1	1	19
12906	1.0	21130	371	6	68	.4	4	20510	.1	8	52	38100	5890	28	10970	1948	1	80	4	710	126	7	33	1	165	33.9	275	3	1	1	21
12907	2.5	24240	32	6	51	.3	5	24130	.1	15	228	56750	5030	31	15550	2143	1	110	6	730	89	4	37	1	173	48.8	149	2	1	3	51
12908	2.4	23180	56	6	44	.2	4	25490	.1	14	169	50560	5100	34	14740	2317	1	130	2	570	98	6	38	1	176	46.8	135	3	1	2	38
12909	1.7	18470	440	5	37	.3	5	22850	.1	10	92	43320	3150	46	12520	2533	4	50	2	550	173	8	40	1	74	29.9	406	3	1	2	25
12910	1.0	12470	165	5	79	.3	4	17910	.1	7	26	30000	5050	15	8660	2088	19	80	4	460	81	5	23	1	108	28.3	277	4	1	2	38
12911	.4	11210	140	4	79	.3	4	18820	.1	8	37	32570	1900	15	13830	1092	9	90	1	490	22	2	53	1	37	13.2	88	3	1	1	26
12912	.4	31200	896	8	243	.1	4	19980	.1	23	236	79930	3390	34	29550	1735	22	180	34	2460	25	35	47	1	158	117.6	93	1	1	4	92
12913	.2	20260	115	5	115	.2	4	17410	.1	11	38	36720	4130	18	15950	947	2	280	4	830	26	4	47	1	117	32.9	99	4	1	3	52
12914	.2	28950	361	7	119	.2	5	30390	.1	22	75	60710	3250	29	29320	1449	14	210	43	2520	30	16	69	1	116	118.9	376	3	1	5	97
12915	1.1	19160	39	4	40	.4	4	19540	.1	8	42	31160	3430	18	14470	1009	2	200	1	780	215	2	44	1	118	28.8	137	5	1	3	53

COMP: EQUITY SILVER MINES
PROJ:
ATTN: D.HANSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0898-RJ1+2
DATE: 91/10/15
* CORE * (ACT:F31) PAGE 1 OF 2

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
MM 91 RG 02	.1	15500	15	12	577	.5	8	36860	.1	31	355	45360	3240	13	22200	1294	1	250	30	460	17	1	66	1	146	58.5	90	1	1	3	63
MM 91 RG 03	45.4	15990	1107	10	1068	.6	27	47860	36.5	28	16732	65840	5700	9	17970	1535	9	60	29	500	32	2504	70	1	61	62.2	1240	1	1	6	78
12377	1.2	41100	11	29	28	.1	16	27550	.1	33	330	53850	370	32	32550	776	1	660	86	350	15	47	22	1	2577	64.3	64	1	4	2	34
12380	.1	23420	74	9	33	.6	5	47680	.1	13	105	50640	1660	35	15990	2181	1	380	1	1110	20	18	16	1	130	56.5	47	5	1	2	19
12381	.1	23080	13	8	82	1.0	4	50950	.1	22	142	49540	4810	23	16870	2335	1	230	73	1120	25	4	37	1	114	121.7	105	4	1	7	135
12721	.1	32350	38	7	130	.8	5	27030	.1	12	43	40110	7580	25	18630	1462	3	460	9	950	29	8	47	1	355	69.1	240	5	2	4	65
12722	.6	32870	42	5	135	.6	7	24750	.1	8	17	33010	9920	18	13630	1695	2	550	7	1140	133	8	43	1	394	62.2	271	6	3	3	43
12723	1.5	18960	642	2	69	.5	4	18970	.1	11	135	30970	4530	12	9140	1348	3	700	2	480	75	9	27	1	197	22.5	139	3	1	4	96
12724	.1	25430	17	3	116	.6	5	22020	.1	6	13	26050	7830	14	11110	1777	2	530	3	810	90	2	31	1	292	43.7	323	4	2	3	46
12725	.7	24830	49	3	64	.7	4	25160	.1	7	22	33730	5120	18	14990	1966	1	350	3	950	344	3	34	1	235	38.7	313	4	1	2	38
12726	.1	26170	17	3	87	.7	4	22170	.1	8	22	31660	6390	18	13690	1313	2	500	3	820	25	1	35	1	269	44.9	85	4	2	3	43
12727	.8	19170	18	2	63	.6	4	20500	2.4	7	64	28220	4410	12	10890	1476	4	520	5	780	102	1	32	1	175	35.2	698	3	1	3	59
12728	.8	18190	8	2	76	.6	4	20560	.1	7	83	27930	4670	11	10570	1206	4	450	2	1440	99	1	36	1	191	32.7	210	4	2	3	52
12729	.7	20740	13	3	70	.7	5	21830	.1	9	88	33870	4230	14	12910	1342	2	410	3	1170	45	1	41	1	182	44.6	128	4	1	2	35
12730	1.0	16880	6	1	51	.5	4	25000	6.0	5	58	27700	3110	10	11040	1779	3	460	3	1130	88	1	29	1	139	32.8	982	4	1	3	69
12731	.8	12620	23	1	61	.5	3	18090	.1	5	65	19960	2900	6	7350	1078	3	680	2	620	49	1	22	1	139	17.6	308	3	1	3	74
12732	.9	16240	26	1	81	.5	4	21760	.1	6	68	27680	3780	10	9840	1356	6	600	1	660	67	1	39	1	153	22.5	127	3	1	3	61
12733	.7	17890	42	1	70	.5	4	20420	.1	7	87	30980	4020	11	10120	1508	4	650	1	630	49	1	30	1	158	24.1	290	3	1	3	54
12734	12.2	21240	1	8	154	.2	10	59320	.1	40	692	112700	3810	16	16390	6813	1	140	1	1070	507	1	52	1	136	47.8	216	1	1	2	45
12735	1.1	24650	17	3	85	.8	5	20750	.1	9	90	35980	5620	16	13080	1463	3	650	3	1190	60	3	36	1	229	48.7	154	6	2	3	47
12736	2.3	19080	32	2	64	.6	4	18480	.5	6	86	27890	5050	10	9870	1155	3	500	2	1010	484	2	26	1	202	32.4	479	4	1	3	54
12737	.7	18690	9	1	74	.7	3	20160	.1	7	61	29540	4310	10	10980	1292	2	500	2	880	61	1	27	1	165	40.1	168	4	1	3	57
12738	1.0	27180	56	3	80	.7	5	20170	.1	9	73	34330	7640	13	13700	1566	2	750	4	920	127	4	31	1	286	55.0	496	5	2	4	80
12739	6.2	30400	527	6	46	.7	10	16380	135.7	17	382	64520	6350	24	18620	4407	5	80	1	540	471	29	21	1	310	71.6	15939	3	2	1	69
12740	1.2	23180	522	3	85	.5	5	21680	.1	11	105	45130	10200	10	7890	3225	18	130	1	1670	142	10	32	1	304	56.5	535	2	2	3	47
12741	6.3	13510	8636	10	51	.5	10	12330	449.2	31	277	81800	4690	9	6420	3137	16	60	1	510	509	87	19	1	146	35.1	99495	1	2	1	89
12742	6.7	24450	490	1	65	.5	7	27860	6.4	11	52	43560	6130	20	12920	2868	1	80	1	2110	432	17	37	1	241	29.6	1338	3	1	1	22
12743	1.5	21240	199	1	24	.4	7	21900	2.9	14	94	47890	3540	17	14310	2954	1	430	1	630	153	2	29	1	191	66.0	1053	3	1	2	37
12744	1.6	14680	19	1	76	.4	5	29270	1.6	6	73	29670	4260	14	9310	2969	1	740	2	430	276	1	37	1	117	37.4	476	3	1	2	51
12745	1.1	22180	15	1	92	.6	7	47610	7.1	9	148	44150	4980	18	12630	3206	1	360	1	3610	166	1	62	1	228	55.2	1123	3	1	1	21
12746	1.3	14550	87	15	53	.6	4	27020	.1	12	66	32410	3160	14	8590	2302	1	220	4	780	155	1	34	1	127	35.2	279	1	1	2	29
12747	1.1	17370	37	10	50	.4	6	23440	.1	9	76	34430	3600	17	11050	2477	1	560	4	460	75	1	27	1	162	45.2	148	3	1	2	32
12748	1.4	17800	25	6	71	.4	4	27090	.1	10	65	33940	4760	14	12150	2911	1	490	5	440	173	1	32	1	169	40.1	322	2	1	3	51
12749	11.0	16960	794	8	82	.6	12	41430	22.1	17	271	55090	6030	16	13490	3487	1	150	1	880	486	2	42	1	155	39.8	3752	1	1	1	26
12750	1.0	34080	58	8	135	.8	7	49250	.1	13	78	50070	8870	27	19790	3574	1	290	4	1990	63	4	57	1	336	115.4	635	4	1	4	63
12751	.1	35070	30	6	154	.6	7	49320	.1	18	51	50070	7800	24	20280	3414	1	530	1	1900	38	3	67	1	513	121.9	195	3	2	3	40
12916	.3	25800	25	2	38	.4	4	28620	3.7	14	76	50300	4830	14	15040	3271	1	490	1	1100	71	1	38	1	334	100.3	1206	4	1	3	53
12917	24.1	20860	34	8	13	.1	27	77650	209.6	51	498	98470	1620	10	16950	8991	45	20	1	390	830	4	116	1	154	85.6	25464	1	1	1	36
12918	.1	25860	13	1	33	.6	5	23590	.1	11	42	41130	4970	15	14940	2074	1	490	1	790	44	1	32	1	258	70.5	581	4	1	2	48
12919	.5	14510	9	1	74	.8	5	21310	.1	2	11	8520	6080	5	5020	712	2	270	2	330	29	1	29	1	122	13.2	341	1	1	2	43
12920	1.3	25090	34	1	84	.8	12	46940	25.5	19	27	47360	4580	14	16060	2660	7	220	1	1480	98	1	54	1	204	29.1	4884	3	1	1	41
12921	.4	14070	11	1	75	.6	4	28150	.1	2	7	12920	4490	7	6430	1013	1	260	1	370	18	1	36	1	95	16.1	193	3	1	1	34
12922	1.5	16660	22	1	41	.5	8	48680	19.4	15	107	37210	2940	8	10670	2750	4	120	1	750	76	1	45	1	122	28.9	3503	2	1	1	28
12923	.1	23100	17	1	50	.7	6	39270	.1	8	31	37820	4090	13	13990	2282	1	340	1	1030	47	1	47	1	191	53.3	505	3	1	1	33
12924	3.8	23840	12	1	21	.2	12	48150	30.1	17	167	69720	2630	12	16890	4391	1	170	1	1050	158	1	46	1	512	106.6	4680	2	1	1	37
12925	.5	15520	58	1	35	.6	5	21780	1.4	4	16	21090	4210	10	9090	1755	1	90	2	410	272	1	30	1	122	17.3	522	3	1	1	27
12926	14.3	9310	907	1	61	.5	17	21170	131.3	16	229	54290	2090	6	11080	3710	6	30	1	630	578	45	28	1	57	28.6	16317	1	1	1	31
12927	.7	19170	91	1	37	.6	5	14120	2.6	7	28	40550	4480	13	12200	2768	2	60	2	900	119	3	18	1	148	42.8	956	3	1	2	43
12928	7.5	24160	85	1	30	.3	19	52850	35.9	18	162	72030	3190	12	17960	5438	1	90	1	1040	279	5	63	1	347	114.1	4913	2	1	1	48
12929	.8	23610	28	1	69	.7	5	21660	.1	6	17	23310	7440	14	12640	1526	1	360	2	690	43	2	45	1	269	31.7	400	5	1	2	31
12930	.1	25260	16	1	60	.5	5	28030	.1	14	29	44100	4880	12	15030	2658	1	350	2	920	30	1	64	1	272	55.4	181	6	1	2	37
12931	.1	25330	13	1	50	.5	5	21640	.1	15	11	43200	4480	13	15680	2124	1	480	4	580	24	1	51	1	273	70.7	158	5	1	2	32
12932	.1	29390	1	1	77	.3	11	25930	.1	20	9	71720	4390	24	20730	2783	1	520	1	1040	28	1	81	1	1872	155.5	173	2	1	3	31
12933	.1	27020	1	1	49	.1	22	40130	.1	28	26	106870	4440	25	22890	3971	1	440	1	1280	46	1	90	1	4198	266.9	185	1	2	4	22
12934	1.6	27670	19	1	86	.5	6	37640	.1	13	27	46030	6490	15	14410	3095	1	530	4	650	75	1	42	1	431	79.8	281	5	1	3	47
12935	5.0	35010	6155	2	61	.8	6	16770	3.3	20	134	79500	4870	24	22070	3867	1	120	1	680	1204	77	24	1	263	95.7	3128	1	1	2	57
12936	1.1	19800	352	1	32	.6	4	23000	.1	11	65	35200	4440	13	9670	1883	1	210	4	470	166	21	29	1	169	34.9	293	3	1	1	35
12937	.6	18820	56	1	36	.4	4	25920	.1	13	160	40040	4700	12	7260	1596	1	400	1	400	45	1	35	1	168	40.4	154	2	1	2	42
12938	5.1	15820	36	1	36	.4	9	25850	.1	12	232	46900	3780	11	5940	1689	1	310	1	400	47	1	32	1	128	37.1	69	1	1	2	34
12939	.2	13720	13	1	38	.4	4	20870	.1	9	114	28830	3990	9	4930	1075	1	470	1	470	60	1	25	1	125	33.9	99	2	1	2	38

COMP: EQUITY SILVER MINES
PROJ:
ATTN: D.HANSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0898-RJ1+2
DATE: 91/10/15
* CORE * (ACT:F31)

SAMPLE NUMBER	AU-FIRE PPB
MM 91 RG 02	2
MM 91 RG 03	36
12377	4
12380	1
12381	7
12721	9
12722	2
12723	4
12724	1
12725	1
12726	2
12727	3
12728	2
12729	4
12730	2
12731	1
12732	2
12733	2
12734	48
12735	1
12736	20
12737	2
12738	1
12739	38
12740	22
12741	890
12742	50
12743	20
12744	2
12745	3
12746	14
12747	2
12748	2
12749	102
12750	3
12751	1
12916	2
12917	215
12918	1
12919	2
12920	9
12921	21
12922	5
12923	2
12924	41
12925	5
12926	133
12927	3
12928	100
12929	15
12930	2
12931	1
12932	6
12933	2
12934	8
12935	198
12936	10
12937	6
12938	43
12939	4

COMP: EQUITY SILVER MINES
PROJ:
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MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0898-RJ3+4
DATE: 91/10/15
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
12940	2.0	15070	47	15	25	.6	7	24590	.1	10	98	31070	2840	11	7160	1258	1	370	2	460	25	1	26	1	93	38.0	93	1	1	2	30	1
12941	2.1	16240	16	9	50	.6	6	21240	.1	9	52	29860	3260	11	7740	1266	1	440	1	380	24	1	29	1	169	38.9	556	2	1	2	32	9
12942	2.0	23220	15	7	54	.7	8	33330	.1	9	9	39110	3630	16	14900	2184	1	320	1	610	22	3	41	1	238	46.0	136	3	1	2	26	2
12943	2.5	22870	10	5	84	.5	12	42300	.1	9	13	39580	4990	13	11110	2448	1	390	1	3780	23	2	60	1	1093	56.2	143	3	1	2	16	2
12944	2.9	18150	12	4	19	.5	16	42340	10.6	14	47	36540	1390	9	16350	3423	2	480	4	410	62	1	42	1	147	55.2	2681	2	1	1	47	1
12945	2.5	18660	11	3	89	.6	7	34450	.1	8	36	27750	4560	11	12330	1865	2	320	7	450	25	1	43	1	198	41.1	255	4	2	3	35	1
12946	2.5	11510	90	2	81	.5	6	24220	.1	20	91	26110	4020	7	8940	1686	1	300	2	380	31	1	31	1	81	26.1	206	1	1	2	41	3
12947	20.7	7120	7304	2	96	.4	20	24150	.1	18	347	26230	2490	4	5180	1477	24	90	6	240	1971	236	25	1	45	19.9	916	1	1	4	127	101
12948	2.6	14620	71	1	54	.7	8	42290	.1	12	101	31770	2190	12	12980	2190	1	140	5	820	42	1	41	1	44	41.1	365	2	1	2	26	1
12949	4.1	16020	44	2	36	.4	18	48450	23.7	18	296	43520	2280	12	12970	3632	3	130	6	890	68	1	47	1	82	42.2	4495	1	1	1	38	4
12950	1.9	20110	18	1	37	.8	8	42230	3.1	16	103	40690	1880	14	17220	2331	2	370	4	1150	26	1	46	1	172	62.5	1208	2	1	2	41	2
12951	2.2	27620	10	1	59	.4	14	37780	.1	19	47	52810	2160	26	25180	2445	1	450	1	2050	30	4	65	1	1403	154.8	170	3	2	3	31	2
12952	1.7	29200	9	1	40	.7	9	37780	.1	18	39	51810	1610	21	27270	2264	1	330	1	1950	27	4	75	1	578	134.5	156	1	1	3	34	1
12953	4.7	19360	19	1	62	.8	19	43830	8.1	15	201	43130	3210	13	12700	2494	1	280	1	1400	69	2	46	1	152	52.9	2078	2	1	1	33	94
12954	2.9	25320	27	1	83	.8	12	52840	.2	16	126	47720	4270	17	18210	3319	1	160	17	1920	51	3	58	1	163	98.7	926	2	1	3	62	7
12955	11.8	18820	501	1	48	.6	13	28440	37.9	18	259	54440	3810	14	11630	2924	6	50	4	790	1294	8	31	1	98	44.3	4237	1	2	1	36	64
12956	4.3	17090	40	1	63	.7	9	22530	2.3	11	102	38980	4820	16	7490	2080	29	60	3	680	281	3	34	1	109	31.4	699	1	1	1	28	10
12957	5.9	13380	15	1	62	.7	9	34730	3.8	12	154	37590	2970	10	8880	2148	22	100	3	720	177	1	29	1	75	43.8	862	1	1	2	54	22
12958	3.2	13980	10	1	43	.6	7	24120	.1	8	95	32860	3300	10	8670	1596	2	180	1	730	47	1	27	1	80	41.4	305	1	1	3	70	39
12959	2.2	22640	25	1	38	.9	8	37250	.1	12	38	38330	4210	19	14600	1871	1	240	3	670	51	2	38	1	149	55.6	195	3	1	3	44	2
12960	4.2	7430	5	1	40	.3	6	34790	5.6	7	47	23210	3930	3	7300	2482	1	80	2	760	314	1	41	1	50	24.8	732	1	1	2	73	5
12961	5.4	12220	123	1	107	.9	9	37680	.1	15	132	43010	4010	22	10520	1761	1	50	2	530	154	6	61	1	70	32.3	194	1	1	1	17	21
12962	29.1	9310	14318	1	96	.7	36	57270	25.6	19	356	66600	3480	10	24650	2533	1	60	1	350	1587	77	99	1	66	38.9	4171	1	1	1	57	608
12963	2.2	22480	62	1	128	.9	6	37720	.1	14	101	49190	5080	25	14070	1417	1	80	1	1630	174	6	54	1	148	73.1	154	1	1	2	23	4
12964	4.2	23680	19	2	197	1.0	11	24200	.1	26	386	83070	6500	19	13890	1735	1	150	1	1900	145	2	43	1	169	96.1	241	1	1	2	39	19
12965	2.8	15650	94	1	145	.7	5	18160	.1	15	176	39810	3870	14	10180	1021	2	190	1	630	49	4	37	1	112	23.6	277	2	1	2	52	13
12966	2.6	18310	310	1	235	.8	7	22090	.1	14	90	42430	4830	21	16510	1373	4	90	1	790	46	13	70	1	133	47.6	126	2	1	2	51	16
12967	16.7	34700	400	3	48	.6	14	48160	.1	70	1095	127940	1980	39	39170	6256	1	20	1	1080	951	24	117	1	115	101.9	506	1	1	1	18	82
12968	3.4	20450	41	1	117	.6	6	21200	.1	11	63	34040	4550	19	15460	1480	1	190	2	760	73	3	84	1	142	43.1	157	3	1	2	32	5
12969	3.9	29710	70	1	51	.9	6	30020	.1	19	172	64860	3590	24	27830	2771	1	150	31	2150	168	4	94	1	148	94.1	412	1	1	3	80	38
12970	4.7	18460	208	30	124	.8	15	20380	.1	14	38	27240	4040	18	12460	1251	3	250	11	940	70	1	55	2	157	44.2	125	2	2	4	54	48
12971	1.2	19730	91	20	143	.4	7	21850	.1	17	78	36480	3520	17	15760	1695	2	180	11	1280	69	4	67	1	119	48.4	190	3	2	4	62	2
12972	.5	25910	23	19	27	.4	9	23270	.1	25	312	71240	4860	18	19660	1511	1	250	9	1140	39	1	42	1	208	114.6	97	1	1	6	51	1
12973	1.1	20140	78	13	33	.4	6	19670	.1	18	231	54170	3700	14	14910	1102	7	360	9	1300	45	1	39	1	271	72.2	92	2	1	6	75	19
12974	.6	27910	4	10	83	.1	20	20260	.1	32	298	78470	8680	16	18030	1625	1	980	1	2510	22	1	57	1	3255	135.0	110	1	3	4	42	3
12975	.1	24930	10	11	121	.5	6	27970	.1	23	266	66670	6150	20	19340	1679	1	850	2	2420	134	1	72	1	495	97.0	208	1	1	3	53	1
12976	.4	15870	22	7	154	.6	6	19130	.1	17	146	41300	4160	12	12790	865	6	380	6	710	33	1	46	1	162	49.9	99	2	1	4	80	15
12977	6.9	12250	201	9	78	.3	8	20480	.1	19	147	46140	4380	12	13830	1274	7	310	6	550	418	1	40	1	119	47.1	142	1	1	3	53	47
12978	1.0	19070	26	5	58	.4	10	18710	.1	11	71	31920	4700	11	11600	903	5	330	4	640	37	1	30	1	179	38.1	90	2	1	3	61	4
12979	.9	19980	13	4	60	.5	5	18730	.1	7	22	28790	4300	13	14330	956	2	340	2	710	46	1	35	1	150	38.1	110	3	1	3	52	8
12980	2.0	15550	15	4	55	.5	4	20320	.9	11	106	39360	3960	13	14230	1278	2	430	1	740	393	1	45	1	126	36.3	509	2	1	2	42	8
12981	2.5	8770	73	4	91	.4	4	21820	.1	10	138	35130	3750	7	12120	1287	1	330	1	700	158	1	43	1	84	24.2	199	1	1	3	57	19
12982	13.0	19960	1	9	32	.1	3	23200	7.7	38	1651	153840	2770	24	28830	2701	1	80	1	910	973	1	37	1	85	40.8	1785	1	1	1	48	7
12983	3.6	9730	8	2	37	.4	4	21740	5.1	8	145	35060	3140	7	12350	1085	2	310	1	950	653	1	40	1	80	23.3	834	2	1	2	44	2
12984	1.7	12250	13	2	33	.3	4	21360	3.2	7	116	28490	3620	8	11690	1049	3	320	1	770	135	1	36	1	85	23.8	807	3	1	3	67	1
12985	9.9	20700	50	3	38	.4	5	21460	19.5	13	183	42690	4010	12	15200	1283	1	260	4	780	2705	10	30	1	130	53.5	2406	3	1	1	54	42
12986	3.0	17910	14	2	55	.4	4	22960	4.7	7	67	32630	4800	10	12940	1289	1	260	5	740	863	1	40	1	138	39.1	865	3	1	2	54	1
12987	.3	26780	20	2	91	.6	5	21370	.1	9	10	36020	4620	15	17500	1368	1	240	1	1220	81	1	34	1	216	52.2	116	4	2	3	54	2
12988	6.5	8820	1	6	22	.1	2	47640	9.9	91	1382	141090	1980	7	10550	1756	1	260	1	190	244	19	52	1	71	25.0	1711	1	1	1	64	18
12989	33.6	17520	54	7	43	.2	7	24350	80.8	25	408	66830	5360	12	12600	1407	1	190	1	710	9192	47	33	1	155	41.5	7265	1	1	1	59	260
12990	1.0	11840	20	3	108	.6	6	30640	.1	13	94	35620	5120	11	14600	1094	1	220	8	630	147	1	52	1	109	33.8	152	2	1	2	32	3
12991	.5	13510	17	3	53	.4	11	29260	.1	22	207	39830	3750	9	8430	743	1	770	15	730	61	1	61	1	85	47.4	83	1	1	2	44	2
12992	.7	20450	14	2	71	.5	9	41460	.1	13	109	29850	4670	8	7550	985	1	1060	12	1160	40	1	63	1	124	58.3	69	3	1	3	46	2
12993	8.6	19760	37	3	195	.3	14	23700	38.1	23	212	41550	6540	7	6720	1761	2	230	12	1160	641	3	36	1	166	57.3	3151	2	1	1	68	27
12994	3.5	26690	876	4	94	.2	13	23030	1.1	30	373	69540	5730	10	12700	1629	1	750	1	1430	1078	4	38	1	270	130.1	852	1	1	4	39	44
12995	.1	28770	53	3	40	.2	9	23670	.1	26	325	71510	5290	14	18530	1547	1	390	1	1190	57	1	47	1	334	193.1	155	2	1	4	45	3
12996	1.3	21590	10	2	53	.5	5	9250	.1	17	165	66200	4380	20	4040	1686	1	380	14	2890	29	7	35	1	271	58.5	66	1	1	1	21	28
12997	5.3	23500	23	2	80	.5	6	10570	.1	17	365	65840	4140	20	5540	2764	1	240	5	3480	36	24	39	1	223	39.8	118	1	1	1	11	20
12998	.1	45010	36	12	11	.1	6	7710	.1	28	26	100380	1110	43	18600	3041	1	100	47	1650	1173	8	13	1	103	138.1	544	1	2	5	115	1
12999	82.1	14140	4708	13	32	.1	9	20930	143.1	29	392	73160	1750	26	11760	5512	3	100	51	1260	24767	127	28	1	32	56.4	13814	1	2	1	95	1040

COMP: EQUITY SILVER MINES
PROJ:
ATTN: D.HANSON

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 1S-0898-RJ5+6
DATE: 91/10/15
* CORE * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	TI PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU-FIRE PPB
13000	.6	11880	46	9	35	.1	6	49710	.1	26	75	53500	2190	10	14500	6484	1	80	45	970	221	1	49	1	12	38.6	267	1	1	2	58	2
13041	.1	23330	1	5	24	.1	5	32290	.1	11	42	45820	2270	11	16830	2174	1	350	6	590	25	1	40	1	206	78.5	107	1	1	2	51	1
13042	.1	27110	1	6	44	.1	7	21440	.1	16	181	66950	3690	13	17250	2135	1	220	1	1290	35	1	44	1	669	121.0	163	1	1	2	43	1
13043	.2	27530	112	7	48	.1	6	30530	.1	6	12	33990	8000	9	12910	1856	1	360	1	2530	56	1	43	1	298	34.7	192	1	1	2	55	3
13044	9.9	27320	18	19	64	.1	10	40020	.1	19	199	49180	8730	8	14820	2816	1	210	3	1920	301	1	53	1	268	45.2	556	1	1	2	56	56
13045	24.8	2430	92085	7	16	.1	13	114100	266.3	19	115	84470	1070	1	1670	2709	1	10	1	100	851	158	62	1	18	5.8	1175	1	1	3	90	5330
13046	2.9	21840	430	5	49	.1	4	22560	2.5	17	210	46860	5670	7	12200	1756	1	250	1	610	441	1	26	1	193	44.9	834	1	1	2	46	2
13047	5.5	24550	139	7	183	.1	5	10590	10.4	19	224	38640	7550	4	9090	1517	1	150	7	550	668	1	12	1	159	42.6	1488	1	1	3	74	3
13048	1.9	23060	14	5	36	.1	4	22060	.1	11	90	40390	5310	7	13090	1889	1	360	2	540	115	1	22	1	212	50.5	247	1	1	2	49	2
13049	1.8	28520	38	5	37	.1	4	33980	.1	17	207	60170	5160	11	16670	2977	1	200	1	790	142	1	23	1	230	87.6	372	1	1	2	54	1
13050	1.0	21060	1	4	47	.1	4	35300	.1	15	186	51210	4520	6	10890	2175	1	370	1	670	44	1	30	1	168	49.6	272	1	1	2	58	1
13051	.2	19660	1	4	72	.1	4	36250	.1	11	106	39150	4750	4	7730	1594	1	430	2	500	18	1	29	1	168	45.4	81	1	1	3	62	2
13052	.2	19020	1	4	73	.1	4	37500	.1	11	117	39620	4280	4	7520	1582	1	440	1	420	19	1	30	1	154	41.8	104	1	1	2	53	1
13053	.2	19120	2	4	67	.1	4	34920	.1	10	85	38490	4220	4	7550	1521	1	440	1	390	18	1	27	1	147	40.5	140	1	1	2	49	1
13054	.6	18530	3	4	45	.1	5	34420	.1	13	62	39040	3540	3	8110	1818	1	320	1	390	43	1	27	1	143	41.0	87	1	1	1	38	1
13055	.4	18220	181	4	342	.1	3	19090	.1	9	52	33630	3320	4	8490	1445	5	250	2	520	25	1	24	1	103	37.4	98	1	1	2	38	1
13056	.6	16210	1	3	52	.1	3	32950	.1	10	86	31390	3570	2	8820	1748	1	330	4	490	32	1	25	1	102	33.7	150	1	1	2	47	2
13057	.3	20970	1	4	78	.1	4	36710	.1	11	52	35350	5000	4	9860	1997	1	400	4	390	32	1	26	1	182	42.7	140	1	1	2	45	1
13058	.6	20120	10	4	81	.1	3	38620	.1	12	65	36150	4630	4	10110	2233	1	320	4	580	90	1	28	1	155	46.4	183	1	1	3	76	1
13059	2.2	19740	1	16	63	.1	4	43330	6.8	11	144	44160	4110	4	11570	2811	1	150	3	1110	424	1	34	1	110	59.2	1093	1	1	1	27	2
13060	10.4	13580	1	6	54	.1	4	41050	1.1	22	520	87150	3350	3	9390	3299	1	80	1	820	572	1	24	1	55	44.6	917	1	1	5	55	64
13061	4.9	8890	1821	5	52	.1	2	33900	.1	17	319	57540	3690	1	8530	2719	1	80	8	1550	547	62	25	1	48	56.0	375	1	1	2	54	40
13062	.6	13280	1259	6	91	.1	2	16780	.1	7	62	32490	5090	1	8330	1379	1	100	2	650	47	41	20	1	128	26.0	135	1	1	2	48	2
13063	.8	14720	440	6	72	.2	3	19070	.1	8	50	32390	5920	3	8310	1852	1	90	1	740	56	5	25	1	127	24.4	243	1	1	2	40	1
13064	8.6	10500	17086	10	70	.1	4	27880	61.7	16	244	51390	4590	1	8430	1771	75	70	1	590	993	319	34	1	92	41.7	8965	1	1	3	108	656
13065	1.1	10000	938	6	59	.1	2	33900	.1	11	170	42120	4250	1	8690	1911	16	60	4	830	37	30	31	1	77	34.6	304	1	1	3	69	1
13066	1.1	7850	208	3	36	.1	2	22420	.1	14	239	42390	2650	6	7680	1374	7	70	1	280	83	6	26	1	58	12.1	106	1	1	3	88	2
13067	1.2	10340	453	3	32	.1	3	23210	3.3	8	101	31780	2960	3	9220	1473	3	150	2	380	46	12	32	1	78	18.7	1325	1	1	4	110	1
13068	.6	17900	550	3	32	.1	3	35360	6.4	9	67	38200	3220	6	16870	2806	1	150	4	630	90	1	39	1	106	43.3	1672	1	1	2	50	20
13069	.5	20510	3	3	32	.1	3	19760	.1	7	37	32980	3710	7	15640	1608	2	250	5	770	74	1	33	1	128	46.8	273	1	1	3	69	1
13070	1.7	13780	107	7	28	.5	3	15080	.1	8	55	27080	2620	8	11730	1140	12	250	5	620	99	1	33	1	84	32.3	299	1	1	2	59	2
13071	2.0	11080	19	3	237	.5	1	25540	.9	6	56	25390	2010	5	13640	1472	18	240	11	610	59	3	69	1	49	33.3	492	1	1	2	59	6
13072	.1	34060	23	5	172	.3	5	42550	.1	17	83	65950	3490	33	35450	3579	1	230	55	2300	58	1	87	1	426	145.6	1291	1	1	4	130	1
13073	.4	32740	4	4	399	.6	6	29490	17.7	15	18	45150	2230	24	29300	2550	1	100	44	1780	40	1	64	1	107	119.7	3431	1	1	3	104	7
13074	2.1	25900	9	4	137	.3	2	49810	27.7	26	82	49210	3500	14	22710	4492	1	80	15	820	130	1	65	1	135	81.7	4207	1	1	1	58	22
13075	2.1	37480	1	5	60	.4	3	45310	.1	21	115	53060	6720	24	26480	3135	1	120	24	1030	274	1	64	1	247	119.0	701	1	1	1	59	5
13076	1.2	28530	1	4	141	.5	2	26750	.1	10	45	34170	7110	15	17220	1599	1	270	12	890	62	1	53	1	214	60.1	299	1	1	2	56	19
13077	1.6	21410	126	3	112	.4	2	19700	.1	7	36	28070	4890	12	12960	1314	1	420	4	720	196	1	40	1	160	36.2	363	1	1	2	59	12
13078	.7	28770	25	4	75	.4	2	21250	.1	13	37	42730	4880	19	19790	1888	1	240	2	1080	103	1	48	1	195	65.4	235	1	1	1	42	1
13079	1.2	22710	82	4	113	.5	1	20290	.1	9	37	33370	4990	17	16060	1239	2	240	4	870	39	1	51	1	148	46.4	325	1	1	2	62	2
13080	1.2	17690	621	4	146	.5	1	29270	.1	9	42	33420	6600	8	13410	1791	3	120	11	710	38	24	68	1	118	46.5	152	1	1	2	52	2

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

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

Assay Certificate

1S-0847-RA1

Company: EQUITY SILVER MINES
Project:
Attn: D.HANSON

Date: OCT-04-91
Copy 1. EQUITY SILVER MINES, VANCOUVER, B.C.
2. EQUITY SILVER MINES, HOUSTON, B.C.

We hereby certify the following Assay of 5 CORE samples submitted OCT-01-91 by D.HANSON.

Sample Number	AU g/tonne	AU oz/ton
12843	1.25	.036
12847	5.38	.157
12850	1.76	.051
12869	16.40	.478
12904	17.50	.510

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

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

Geochemical Analysis Certificate

1S-0847-RG1

Company: EQUITY SILVER MINES
Project:
Attn: D.HANSON

Date: OCT-04-91
Copy 1. EQUITY SILVER MINES, VANCOUVER, B.C.
2. EQUITY SILVER MINES, HOUSTON, B.C.

We hereby certify the following Geochemical Analysis of 30 CORE samples submitted OCT-01-91 by D.HANSON.

Sample Number	AU-FIRE PPB
12841	44
12842	3
12843	1020
12844	513
12845	43
12846	2
12847	4200
12848	18
12849	5
12850	1120
12[illegible]1	4
12[illegible]	3
12853	2
12854	2
12855	1
12856	2
12857	1
12858	2
12859	1
12860	9
12861	3
12862	1
12863	4
12864	2
12865	2
12866	1
12867	2
12868	31
12869	16500
12870	451

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

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

Geochemical Analysis Certificate

1S-0847-RG2

Company: EQUITY SILVER MINES
Project:
Attn: D.HANSON

Date: OCT-04-91
Copy 1. EQUITY SILVER MINES, VANCOUVER, B.C.
2. EQUITY SILVER MINES, HOUSTON, B.C.

We hereby certify the following Geochemical Analysis of 30 CORE samples submitted OCT-01-91 by D.HANSON.

Sample Number	AU-FIRE PPB
12871	39
12872	17
12873	10
12874	2
12875	3
12876	64
12877	12
12878	19
12879	5
12880	3
12	16
12882	15
12883	11
12884	8
12885	3
12886	20
12887	56
12888	19
12889	38
12890	258
12891	30
12892	5
12893	1
12894	79
12895	8
12896	6
12897	1
12898	4
12899	2
12900	1

Certified by _____

MIN-EN LABORATORIES

MIN-EN LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

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

Geochemical Analysis Certificate

1S-0847-RG3

Company: EQUITY SILVER MINES
Project:
Attn: D.HANSON

Date: OCT-04-91
Copy 1. EQUITY SILVER MINES, VANCOUVER, B.C.
2. EQUITY SILVER MINES, HOUSTON, B.C.

We hereby certify the following Geochemical Analysis of 15 CORE samples submitted OCT-01-91 by D.HANSON.

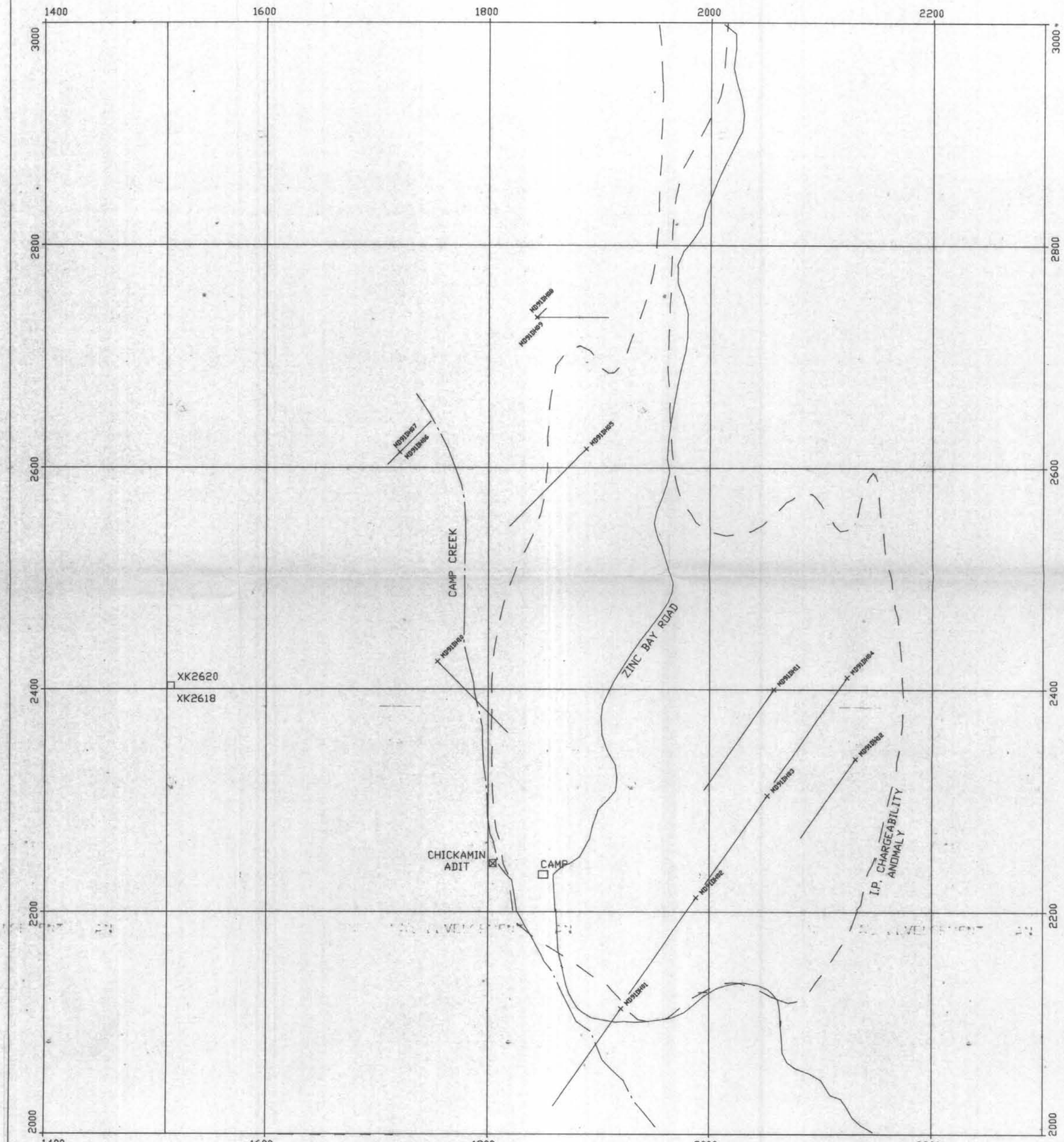
Sample Number	AU-FIRE PPB
12901	3
12902	19
12903	14
12904	18900
12905	68
12906	47
12907	5
12908	16
12909	19
12910	3
[illegible]	2
12[illegible]2	3
12913	5
12914	1
12915	1

Certified by _____

MIN-EN LABORATORIES

FIGURE 3
MIDNIGHT PROPERTY
1991 DRILLHOLE PLAN

NOTE:
COORDINATES REFER TO 1990 I.P. GRID



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,432

DATA PLOTTED ON THIS MAP:
DIRECTORY: /EQUITY_OD/USR/GL-DDH/MIDNIGHT

	FIELD	FILE
+ POINTS:	DH	MD.91COLLAR
	DH	MD.91TRACK
	ID	MID.CULT

N

0 100 200 300
METRES

EQUITY SILVER MINES LTD.	
DRAWN EXP	FIGURE 3
DATE 92:07:14	MIDNIGHT PROPERTY
SCALE 1:2500	1991 DRILLHOLE PLAN
	NO. PLATE