ABERFORD RESOURCES LTD.

OGILVIE JOINT VENTURE

JASON PROPERTY

1982 EXPLORATION RESULTS

MAYO DISTRICT
YUKON TERRITORY
NTS 105-0-1 NIDDERY LAKE

FOR

ABERFORD RESOURCES LTD.
300 Fifth Avenue S.W.
Calgary, Alberta
T2P 3C4

January, 1983

091428

Report No. 3-83
By: Jacques Dumouchel

ABERFORD
RESOURCES LTD.

RECEIVED
28 JAN 1983
MINING RECORDER
MAYO, Y.T.
N.W.T. & N.S.

SUCCESSOR OF
MARATHON PETROLEUM CANADA LTD.
PAN OCEAN OIL LTD.
PAN OCEAN OIL (CANADA) LTD.

January 25, 1983

FEB 8 1983

Mr. R. C. Ronaghan
Mayo Mining District
P.O. Box 10
Mayo, Yukon Territory
Y0B 1M0

Dear Sir:

RE: Work Filing
Jason Mineral Claims

Further to my letter dated December 21, 1982, please find enclosed 2 copies of the Ogilvie Joint Venture, Jason Property, 1982 Exploration Results.

Should you require any further information please contact either myself or Barbara Shilling.

Yours truly,

ABERFORD RESOURCES LTD.

Jacques R. Dumouchel

Jacques R. Dumouchel
Geologist

JRD/kj

300 - 5th AVENUE S.W., BAG 2533, STATION "M", CALGARY, ALBERTA T2P 2M7 TELEPHONE: (403) 268-0811

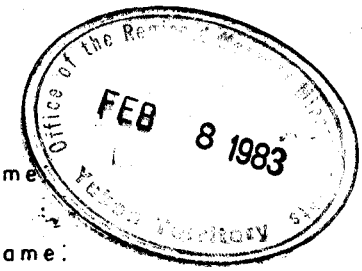
INDIAN and NORTHERN AFFAIRS

TRANSMITTAL FORM

M R File No. .....
S.M.R. File No .....
Date Fwd 31/1/83

FROM: Mining Recorder at ..... Mayo .....

TO: Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

- ☐ NEW APPL'N for PLACER LEASE to PROSPECT: Name:
- ☐ RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: Lease No. .....
- ☐ AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name: Lease No. .....
- ☐ ASSIGNMENT of PLACER LEASE No. .....
  From: To:
- ☐ GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.
  Owner:
- ☑ DIAMOND DRILL LOGS:
  Claims: "JASON" Claim sheet no: 105-O-1
- ☐ QUARTZ ASSESSMENT REPORT:
  Claims: Claim sheet no.
  Type of report: Submitted by: ABERFORD RESOURCES LTD
  Cls. work performed on: $ Req. for ren. application

5 HOLES - 2867 METRES

Signature

REPLY ACTION:
CC GEOLOGY SECTION

Date Ret.

091428

Signature

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A) INTRODUCTION

Since its discovery in 1974, continuous exploration efforts on the Jason property have resulted in the discovery of three Pb/Zn/Ag/(Ba) zones of mineralization. The property is located in the eastern part of the Yukon Territory, at latitude 63°10'N and longitude 130°10'W on NTS map sheet 105-0-1 (Figure 1). The property can be reached via the North Canol Road or by regularly scheduled Trans North Airlines flights landing at the MacPass gravel runway. The closest settlement, Ross River, is located 230 kilometres south of Jason along the North Canol Road (Figure 1).

The Jason property covers part of the Selwyn Mountains and straddles the South Macmillan River near Macmillan Pass. Elevations on the property range from about 1160 metres to over 2000 metres. The relief is variable; subdued and swampy in the Macmillan River valley but rugged and steep on the higher ground. Outcrop is good along ridges but is generally poor in the valley bottoms.

B) SUMMARY

The 1982 programme was designed as an extension of last year's exploration effort to define the geometry of the mineralized zones and increase the known reserves. In 1982, diamond drilling carried out in the South Zone only. Drilling started on August 14 utilizing two drill rigs operated by Heath and Sherwood Drilling of Toronto and was completed by November 1. Four drill holes and one wedged hole were drilled for a total of 2,866.64 metres. The programme was successful as four holes intersected good grade mineralization (Table I).

C) CLAIMS

A total of 283 claims straddling the Mayo and Watson Lake Mining District boundaries make up the Jason property. A list of claims recorded in each district follows (Tables II and III).

D) HISTORY

The Jason property, which is about 45 square kilometres in area, hosts stratiform massive sulphide and bedded barite Pb/Zn/Ag deposits which are localized in an Upper Devonian age shale-turbidite basin near Macmillan Pass. It shares this basin with the geologically similar Tom deposit which is located about 6 kilometres to the east.

Work on the Jason property was initiated in 1974 by the Ogilvie Joint Venture as a result of geological and geochemical studies in and around the Tom property.

Under the direction of Clyde Smith, extensive geological, geochemical and geophysical surveys combined with diamond drilling, led to the discovery

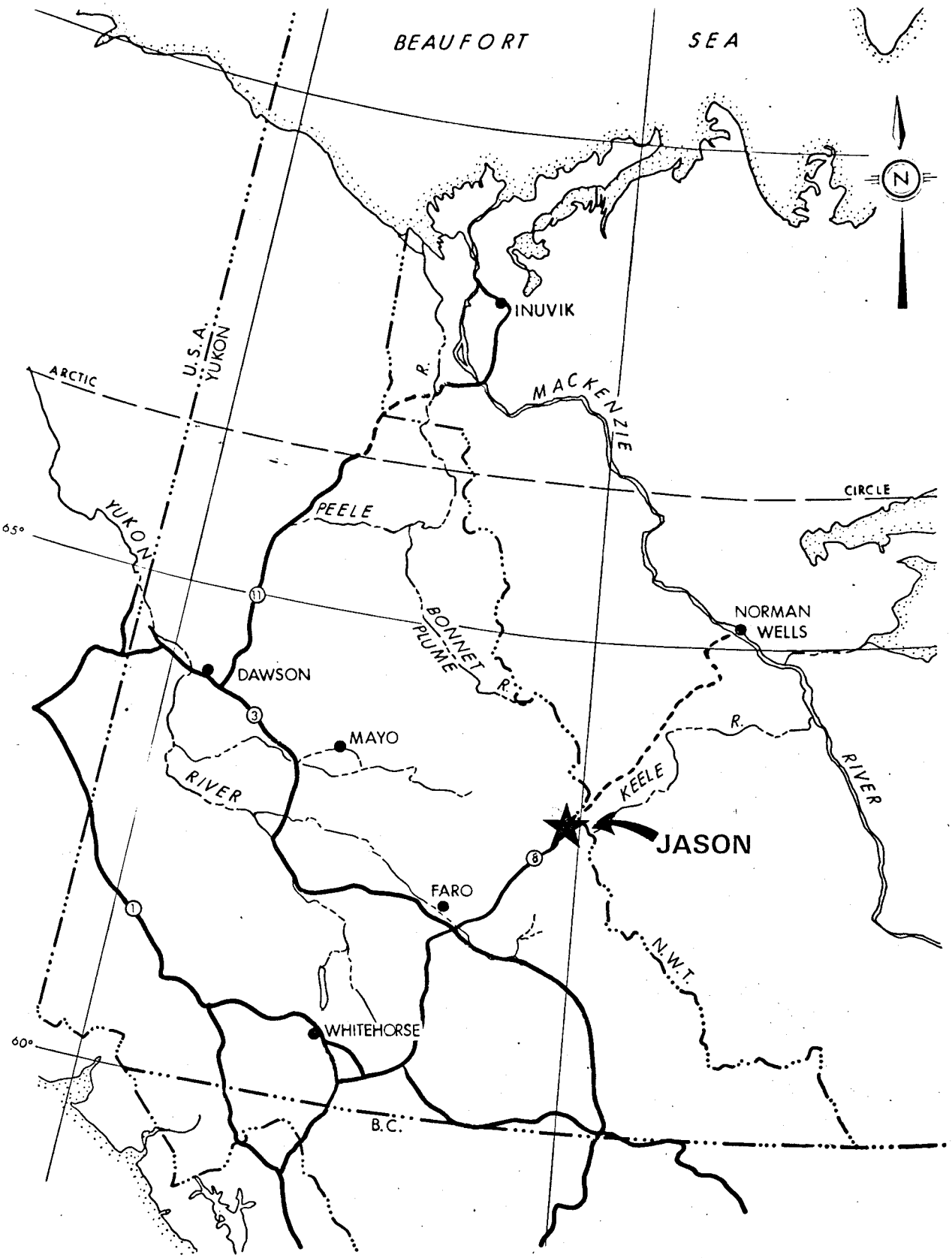

FIGURE 1

ABERFORD RESOURCES LTD.

PROPERTY LOCATION

JASON PROJECT, YUKON

DATE	SCALE	NTS	DRAWING NO.
APRIL, 1982	1: 1,584,000	106 E	A-1744

KBB

TABLE 1

JASON PROJECT

DIAMOND DRILL SUMMARY RECORD

Hole No.	Northing	Easting	Elevation	Azimuth	Inclination	Wedge Point	Core Size	Casing	Target	Claim	Started	Finished	Hole Length	Cum. Meterage	Remarks
82-86	7002550.00	426738.00	1,253.00	184.20°	-67.98°		HQ to 23.77 HQ to 848.25	23.77(I)	S.Z.	Jason 55	Aug. 14	Oct. 1	848.25	848.25	
82-86A			Branch hole			331.01	NQ to 776.33		S.Z.	Jason 55	Oct. 2	Oct. 29	445.32	1293.57	
82-87	7002574.00	436472.00	1,293.40	167.00°	-76.53°		HQ to 6.1 NQ to 758.34	6.1 (I)	S.Z.	Jason 57	Aug. 14	Sept.11	758.34	2051.91	
82-88	7002031.00	436454.00	1,185.58	37.00°	-65.00°		HQ to 31.08 NQ to 229.51 BQ to 467.25	31.08(I)	S.Z.	Jason 58	Sept.13	Oct. 5	467.26	2519.17	50' NQ casing left in hole from 700' to 750'
82-89	7002325.00	436587.00	1,233.15	92.00°	-62.00°		HQ to 34.13 NQ to 347.47	34.13(I)	S.Z.	Jason 58	Oct. 7	Oct. 19	347.47	2866.64	

LEGEND: NS - not surveyed
(I) - casing in place
all measurements in metres

TABLE II

LIST OF MINERAL CLAIMS
JASON PROPERTY
MAYO DISTRICT

No.	Claim	Record No.	Record Date	In Good Standing*
14	ACE 1-14	YA7470-YA7483	Oct. 26/76	Dec. 31/2000
3	15-17	YA7484-YA7486	"	"
3	22-24	YA7487-YA7489	"	"
2	31-32	YA7490-YA7491	"	"
3	36-38	YA7492-YA7494	"	"
1	Jason 189FR	YA 15148	June 1/77	Dec. 31/97
1	190FR	YA 15149	"	"
1	191FR	YA 15150	"	"
22	198FR-219FR	YA 38265-YA38286	Sept. 18/78	Dec. 31/95
3	220FR-222FR	YA38287-YA38289	"	"
18	223FR-240FR	YA41288-YA41305	Oct. 5/79	Dec. 31/92
4	1-4	Y96192-Y96195	Aug. 20/74	Dec. 31/2002
12	7-18	Y96198-Y96209	"	Dec. 31/2005
1	21	Y96212	"	"
1	22	Y96213	"	"
4	23-26	Y96214-Y96217	"	"
4	27-30	Y96218-Y96221	"	"
4	45-48	Y97986-Y97989	July 23/75	Dec. 31/2002
6	49-54	Y98244-Y98249	Aug. 8/75	"
7	55-61	Y98250-Y98256	"	Dec. 31/2004
1	62	Y98257	"	Dec. 31/2002
1	63	Y98258	"	Dec. 31/2004
2	64-65	Y98259-Y98260	"	Dec. 31/2002
3	66-68	Y98261-Y98263	"	Dec. 31/2000
2	69-70	Y98264-Y98265	"	Dec. 31/96
2	71-72	Y98266-Y98267	"	"
5	73-77	Y98268-Y98272	"	Dec. 31/2002
1	78	Y98273	"	Dec. 31/2004
1	79	Y98274	"	Dec. 31/2002
1	80	Y98275	"	Dec. 31/2004
1	81	Y98276	"	Dec. 31/2002
1	82	Y98277	"	Dec. 31/2004
1	35	Y96224	Aug. 20/74	Dec. 31/2005
1	36	Y96225	"	Dec. 31/2002
1	37	Y96226	"	Dec. 31/2005
1	38	Y96227	"	Dec. 31/2002
10	93-102	Y98278-Y98287	Aug. 8/75	Dec. 31/2000
2	103-104	Y98288-Y98289	"	Dec. 31/96
3	105-107	Y98290-Y98292	"	Dec. 31/2000
6	108-113	Y98293-Y98298	"	Dec. 31/2000
1	114	Y98299	"	Dec. 31/2002
6	117-122	Y98300-Y98305	"	Dec. 31/2000
6	125-130	Y98306-Y98311	"	Dec. 31/2002
1	141	Y98312	"	Dec. 31/2000

Table II
List of Claims
Jason Property
Watson Lake District

No.	Claim	Record No.	Record Date	In Good Standing
1	Jason 142	Y98313	Aug. 8/75	Dec. 31/2003
1	143	Y98314	"	Dec. 31/2000
1	144	Y98315	"	Dec. 31/2003
1	145	Y98316	"	Dec. 31/2000
1	146	Y98317	"	Dec. 31/2003
1	147	Y98318	"	Dec. 31/2000
1	148	Y98319	"	Dec. 31/2003
1	149	Y98320	"	"
5	150-154	Y98321-Y98325	"	"
2	155-156	Y98326-Y98327	"	Dec. 31/2000
1	157	Y98328	"	Dec. 31/2002
1	158	Y98329	"	Dec. 31/2000
2	159-160	Y98330-Y98331	"	"

Total Claims 193 Mayo Mining District
90 Watson Lake Mining District
283 x 51.65 = 14,616.95 Acres

* As of December 31, 1982

TABLE III

LIST OF CLAIMS
JASON PROPERTY
WATSON LAKE DISTRICT

No.	Claim	Record No.	Record Date	In Good Standing*
3	Mike 8-10	YA11545-YA11547	Oct. 26/76	Dec. 31/84
4	Ace 18-21	YA11526-YA11529	"	"
6	Ace 25-30	YA11530-YA11535	"	"
3	Ace 33-35	YA11536-YA11538	"	"
2	Ace 39-40	YA11539-YA11540	"	"
3	Jason 90-92	Y84512-Y84514	Aug. 7/75	"
2	Jason 115-116	Y84515-Y84516	"	"
2	Jason 123-124	Y84517-Y84518	"	"
4	Jason 131-134	Y84519-Y84522	"	Dec. 31/88
1	Jason 135	Y94471	"	Dec. 31/84
1	Jason 137	Y84525	"	Dec. 31/88
16	Jason 161-176	Y93952-Y93967	Nov. 12/75	Dec. 31/86
2	Mike 1-2	YA24-YA25	June 11/76	Dec. 31/87
1	Mike 3	YA805	Aug. 30/76	Dec. 31/84
4	Mike 4-7	YA11541-YA11544	Oct. 26/76	"
5	Jason 177Fr.-181Fr.	YA20135-YA20139	June 1/77	Dec. 31/85
1	Jason 182Fr.	YA20140	June 1/77	Dec. 31/83
6	Jason 183Fr.-188Fr.	YA20141-YA20146	June 1/77	Dec. 31/85
3	Jason 192-194 Fr.	YA35586-YA35588	Sept. 25/78	Dec. 31/83
2	Jason 195-196 Fr.	YA35589-YA35590	"	Dec. 31/83
1	Jason 197 Fr.	YA35591	"	Dec. 31/83
2	Jason 33-34	Y83274-Y83275	Aug. 23/74	Dec. 31/88
4	Jason 41-44	Y83276-Y83279	Aug. 23/74	Dec. 31/88
5	Jason 84-88	Y84530,84507-Y84510	Aug. 7/75	"
1	Jason 89	Y84511	"	Dec. 31/84
2	Jason 19-20	Y96210-Y916211	Aug. 20/74	Dec. 31/89
2	Jason 31-32	Y96222-Y96223	"	"
2	Jason 39-40	Y96228-Y96229	"	"

90 Claims Total Watson Lake Mining Division

* As of December 31, 1982

in 1974 of the Main Zone and in 1978 of the South Zone. To the end of 1978, a total of 7,340 metres of diamond drilling had been completed.

The property was optioned to Pan Ocean Oil Ltd. (now Aberford Resources Ltd.) in August of 1979. Under its direction, a further 1,934 metres of diamond drilling were carried out in addition to expansion of the grid from 49.2 kilometres to 146.1 kilometres. The entire grid was tested by soil geochemistry and a gravity survey. The last hole drilled in 1979 intersected the South Zone at depth, below the initial discovery holes of 1978. Diamond drill hole 79-51A intersected a 4.1 metre true thickness of sulphides which graded 2.6% Pb, 6.9% Zn and 0.4 oz/ton Ag.

In 1980 much of the 4,953 metres of drilling was used to better define the South Zone. The best intersection occurred in diamond drill hole 80-56B where a 20.0 metre true width of massive sulphides grading 25.78% Pb, 5.98% Zn and 12.0 oz/ton Ag was encountered. As a secondary objective, gravity and soil geochemical anomalies were systematically tested. This led to the discovery of high grade massive sulphides in the End Zone.

The primary objective of the 1981 field programme was to increase grade and tonnage estimates in the Main, South and End Zones to the point where underground exploration could be justified. The programme was largely successful as it increased the total reserves by 23% and greatly enhanced the definition of the Main and South Zones.

E) GEOLOGY

General Setting

The Jason deposit is located near the eastern margin of the Selwyn Basin, a few miles east of a strong northwest trending lineament which was active through the Early to Middle Paleozoic and which may have marked the position of a major continental shelf-slope hinge (Smith, 1978). The Selwyn Basin is a large 800 x 150 kilometre geosynclinal trough which is known to contain at least three other significant Pb/Zn/Ag clastic-hosted massive sulphide deposits: Anvil, Howard's Pass and Tom, the last of which is located about 6 kilometres northeast of Jason.

The Jason and Tom properties are localized in a sub-basin (roughly 10 kilometres square) which is a second or perhaps third order basin within Selwyn Basin. This graben-like basin, known as the MacPass Graben, was actively subsiding during the Devonian, at which time a shale-turbidite sequence was being deposited in it. At least three episodes of massive sulphide and/or bedded barite deposition occurred at different stratigraphic levels in the MacPass Graben. Each of these mineralizing episodes was apparently associated with a tectonic event which caused movement on the graben-bounding faults (Smith, 1978).

The sedimentological "style" within the graben is characterized by rapid facies changes which complicate correlation of strata. The main influx consisted of turbidite material having a source to the northwest and was deposited in a channel system within the graben.

The turbidite material is laterally restricted by the small graben and do not form a typical fan. They are intermixed with debris flows and slump breccias which originated from northwest-trending, graben bounding, fault scarps.

F) CLASSIFICATION OF LITHOFACIES

In 1981, computerization of the drill data and analysis of the depositional framework of the sedimentary rocks within the Jason area resulted in a new classification of lithologies. Although the framework of the original classification has been retained, the new classification places emphasis on those features which are judged to be the most significant from the viewpoints of genesis and exploration. One of the major differences between the old and new classifications is that the latter combines lithotypes into facies associations, and thereby relates them directly to depositional environments. In order to distinguish these lithofacies, emphasis is placed on correlation of multiple event units vertically and laterally in section as opposed to single event units. The classification is described by Table IV.

G) MINERALIZATION

Three mineralized zones have been discovered to date on the Jason property; the Main Zone, South Zone and End Zone. In the South Zone both proximal and distal facies of mineralization can be distinguished. The proximal facies, generally intercepted at depth, is characterized by:

i) high base metal grades;
ii) very little barite;
iii) strong footwall alteration;
iv) high silver grades;
v) high Pb:Zn ratio;
vi) massive to mottled ore texture with minor laminated ore.

In most cases, the shallower parts of the zone show features which are more typical of distal accumulation. The distal facies are typified by:

i) moderate base metal values;
ii) high barite;
iii) low Pb:Zn ratios;
iv) poorly developed footwall alteration;
v) low silver grades;
vi) well developed bedding.

Main Zone

The Main Zone has been intersected in several holes over a length of 1,125 metres. Although the Main Zone is made up of several textural varieties, it can be generally divided into two principle facies. The

TABLE IV

1981 LITHOFACIES CLASSIFICATION
(Cross-referenced with 1978 logging scheme)

* corresponding terms from the 1978 classification are in parentheses

Code	Jason Lithofacies Descriptions	Association of Facies
	Argillaceous Facies	
ARGL	Argillite - laminated with occasional silt laminations (<5% vol.), may be carbonaceous or cherty. (A-1, A-1a, A-1b, A-2, A-2a, A-2c)	Distal Plain
ARSI	Argillite - ripple and parallel laminated, 5-30% vol. sand laminations. (A-2b, A-3)	Distal Plain
ARSN	Sandstone/Argillite Facies - intercalated sandy/silty beds (30-50 % vol. sand/silt). Bouma sequence T_{cde} or T_{cd} beds are common.	Distal Plain and Overbank Channel Levee
SILT	Siltstone	
	Massive Sandstone Facies	
SAND	Sandstone - massive or graded, with faint parallel stratification; chert rich, argillite clasts common. (SS-1, SS-2, SS-3, SS-4, SS-5)	Channelized Turbidites
	Pebbly Sandstones and Clast Supported Conglomerate Facies	Channelized Turbidites
CGPS	Conglomerate-pebbly sandstone sequence - coarse pebbles grading to medium sand, horizontal and corss stratification, dish structures, alternating pebble-rich and pebble-poor layers with gradational bases and tops.	Channelized Turbidites
CGBR	Chert/argillite intraclast sequence - having >25% argillite clasts. - disorganized bedding, genetically related to channelized turbidity flows. - uncommon.	Channelized Turbidites
CGCP	Chert pebble conglomerate - having >75% chert content. Normal and inverse grading. - stratification and imbrication common. (C-1, C-2, C-3)	

Table IV continued

Code	Jason Lithofacies Descriptions	Association of Facies
	Classical Turbidite Facies	
CGSN	Conglomerate-Sandstone - Bouma Sequence - T_{ab} to T_{abe} beds. - sharp base with erosional markings. - internal sedimentary structures (overall grading, planar laminations and ripple cross-laminations). - covering argillite layer on top of sandstone bed.	Channelized Turbidites
	Mud Supported Facies	
BRHM	Breccia: Homolithic - Argillite intraclasts within a mudstone matrix, <5% chert, soft sediment deformation common. (B-1, B-2, B-5-Eb)	Base of Scarp (slumps)
BRHT	Breccia: Heterolithic - chaotic mixture of argillite, chert, sandstone and conglomerate intraclasts, poorly sorted. (B-5, B-6)	Base of Scarp (debris flows)
BRPM	Breccia: pebbly mudstone - argillite and chert intraclasts within a pebbly sand/mud matrix (must contain >30% matrix). Matrix supported. (B-3, B-4, occasionally B-2 is logged as pebbly mudstone)	
	Exhalitive Facies	
LBSX	Laminated/banded sulphide and sulphate - interbanded chert and barite with laminated and disseminated sphalerite, galena and pyrite.	Distal from vent
MSSX	Massive sulphide - predominantly galena, sphalerite pyrrhotite, and minor pyrite, intergrown with ankerite, siderite and minor quartz. - mottled texture common.	Proximal to vent

western half of the Main Zone is made up entirely of finely interlaminated beds of barite, sphalerite, chert, galena and pyrite (in decreasing order) locally displaying convoluted to fragmented bedding. Lead and zinc content is relatively low. The eastern portion has no barite and contains varying amounts of quartz, chert, sphalerite, argillite, pyrite, galena and organic material contained in interlaminated beds which are commonly contorted or fragmented.

End Zone

The End Zone is characterized by high grade Pb/Zn/Ag massive sulphide with no barite. The ore is associated with quartz, pyrite and minor pyrrhotite.

H) 1982 DRILL PROGRAMME AND RESULTS

During the period, August 14, and October 31, 1982, a total of 2,866.64 metres were drilled. Two H&S 45-A diamond drills, operated by Heath and Sherwood drilling of Toronto, Ontario, were used to drill five holes. Because of severe deviation problems all holes were surveyed regularly during drilling operations, and wedges emplaced in order to keep the drill hole on target.

All holes tested the South Zone to determine its extent and better estimate the reserves. Plates showing the surface projection of the drill holes, and geological cross-sections of each drill hole accompany the text (Plates 2, 3, 4, and 5). The drill holes were logged using a computerized format designed by International Geosystem Corporation. The logs are to be found in Appendix I together with an explanation Graflog Legend (Appendix II). Intervals of mineralization and grades are summarized by Table V.

Hole 82-DH086

This hole was planned to intersect the South Zone at the 750 metre bench level, 90 metres east of diamond drill hole 80-56B. However, due to a pronounced southward displacement of the South Zone to the east of the intersection in diamond drill hole 80-56B, the Zone was intersected 115 metres beyond this target at the 675 metre level. Three distinct horizons were intersected as follows:

725.95 to 728.94 metres
- consists of massive and laminated sphalerite/galena/pyrite interbedded with fine sandstone and silty argillites.

768.06 to 777.82 metres
- displays both laminated and massive galena/sphalertie/pyrite and carbonate. Compared to the zone described above this interval shows an increase in lead and a decrease in zinc.

TABLE V
INTERSECTION SUMMARY, 1982 DRILLING, JASON PROPERTY

DRILL HOLE	INTERSECTION From	INTERSECTION To	DRILLED WIDTH METRES	CORE TO * BEDDING ANGLE	TRUE WIDTH METRES	SG	% Pb	% Zn	oz/short ton Ag
Hole 86 #1	725.95	728.70	2.75	] 42.0°	1.84	3.23	9.54	11.42	2.59
Also	725.95	728.94	2.99	]	2.00	3.20	8.92	10.71	2.43
#2	768.06	777.82	9.22	32.5°	4.95	3.36	18.26	1.56	2.94
#3	797.77	810.25	12.48	37.0°	7.51	2.88	5.87	8.67	3.99
Hole 86A #1	667.70	669.65	1.95	] 46.0°	1.40	3.96	24.01	22.84	9.74
Also	666.87	669.65	2.78	]	2.00	3.61	18.74	18.37	7.69
#2	709.60	735.80	26.20	43.5°	18.03	3.54	8.50	0.15	1.78
Hole 87 #1	574.46	592.86	18.40	33.5°	10.16	3.43	5.72	11.48	3.02
#2	618.06	646.33	28.27	] 17.5°	8.50	--	1.54	2.36	0.60
Including	635.56	644.06	8.50	]	2.56	2.91	2.82	4.30	1.06
#3	702.54	746.14	43.60	25.0°	18.43	--	0.33	1.82	0.23
Hole 88	346.40	362.78	16.38	47.0°	11.93	3.98	9.83	3.85	5.13

* NOTE: Core to bedding angles are very unreliable in the South Zone. Subsequent reinterpretation of structural geology may change the true widths.

797.77 to 810.25 metres
- consists of a silty-argillite interbedded with laminae of siderite, pyrite, sphalerite and galena.

The hole was terminated at 845.21 metres in dark grey argillite of the Lower Canol Formation.

Hole 82AWH086

This hole was wedged off the previous drill hole to test the original target set for diamond drill hole 86. The intersection was reached as planned on the 750 metre level. The section displayed excellent correlation with the parent hole except that only two mineralized zones were intersected.

667.70 to 669.65 metres
- This zone is similar in character in both holes but grades higher in 82AWH086 than in 82-DH086.

709.60 to 735.80 metres
- The top of this zone correlates well with the second intersection in hole DH086. However, while the remainder of the zone is comparable with the unmineralized interval between the lower two intersections, including the latter, in drill hole DH086 (Plate 2).

Hole 82-DH087

This hole was completed as planned and intersected the South Zone at the 8000 metre bench level, 150 metres west of diamond drill hole 80-56B. Three distinct zones were encountered.

574.46 to 592.86 metres
- The zone consists mainly of laminated galena and sphalerite, with chert increasing in content toward the base. Galena is concentrated in the upper part of the interval occurring primarily as laminae and occasionally as massive bands.

618.06 to 650.14 metres
- Consists of laminae and blebs of galena, sphalerite and pyrite with chert and minor barite.

618.06 to 646.33 metres
- Consists of disseminated blebs, veinlets and laminae of sphalerite, galena pyrrhotite, associated with chert and carbonate.

The hole was terminated in black argillite of the Road River Formation.

Hole 82-DH088

Drill hole DH088 was collared in the Road River Formation and drilled up section to test the South Zone at the 900 metre bench level. Only one mineralized zone was intersected and it consisted of massive sulphides (pyrite- galena-sphalerite).

Hole 82-DH089

Diamond drill hole DH089 tested the South Zone directly above diamond drill hole DH088 at the 1,030 metre bench level. No mineralization was encountered in this hole, but a strongly silicified argillite stratigraphically correlates with the intersection in diamond drill hole DH088 (Plate 5).

I) CONCLUSION

The 1982 exploration programme was completed successfully because:

1) deviation problems were controlled and every hole however all but one intersected the desired target,
2) drilling cost per metre was substantially reduced, over 1981
3) high grade mineralization was encountered in four of five drill holes.
4) the intersections achieved in holes 82-DH086 and 82-DH087 not only increased the known reserves but also left the South Zone open at both ends along its strike.

Further investigation of the property should be carried out by both underground and regional reconnaissance drilling.

REFERENCES

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APPENDIX I

G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

ABERFORD RESOURCES LTD.
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE :	82-DH086	COLLAR ELEVATION:	1254.38	AZIMUTH(DEG) :	184.20
TOTAL DEPTH/LENGTH :	848.25	NORTHING(- IF S):	7002549.76	VERTICAL ANGLE :	-67.98
CORE/HOLE DIAMETER :	HQNQ	EASTING (- IF W):	436737.90	CO-ORD SYSTEM :	UTM

GEOLOGGED BY : JRD + PCH
DATE (YY/MM/DD): 820910
PROJECT NUMBER : J-S3

			SEQ. NO OF SURVEY DATA	FLAGS	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
R SVY	0.00	848.25	PLOTTING FILE.				
R SVY	0.00	848.25	THIS FILE CONTAINS THE FOLLOWING SURVEY DATA:				
R SVY	0.00	848.25	1) GYROSCOPIC DATA FROM 0.00M. TO 746.76M.				
R SVY	0.00	848.25	2) MULTISHOT DATA FROM 746.76M. TO 847.34M.				
			1	001	30.48	185.40	-68.55
			2	002	60.96	185.50	-67.88
			3	002	91.44	186.60	-67.05
			4	003	121.92	185.80	-65.10
			5	004	152.40	186.80	-63.60
			6	005	182.88	187.00	-61.53
			7	006	213.36	188.90	-61.05
			8	007	243.84	190.40	-58.95
			9	008	274.32	188.90	-57.42
			10	009	304.80	186.60	-56.22
			11	111	320.04	187.30	-55.38
			12	801	331.01	189.89	-54.50
			13	010	335.80	188.50	-53.57
			14	011	365.76	190.30	-52.77
			15	012	396.24	189.00	-53.13
			16	013	426.72	189.20	-51.58
			17	014	457.20	189.20	-49.63
			18	015	487.68	189.50	-46.97
			19	016	518.16	189.70	-45.45
			20	017	548.64	190.60	-43.38
			21	018	579.12	191.40	-42.45
			22	019	609.60	192.10	-41.22
			23	020	640.08	190.90	-40.17
			24	021	670.51	190.20	-39.47
			25	022	701.04	189.50	-38.77
			26	023	731.52	188.90	-37.13
			27	024	746.76	189.00	-36.12
			28	525	762.00	184.50	-35.50
			29	526	774.19	184.50	-34.00
			30	527	786.38	183.00	-34.00
			31	528	798.58	184.00	-33.00
			32	529	810.77	179.00	-33.00
			33	530	822.96	179.00	-32.00
			34	531	835.15	183.00	-30.00
			35	532	847.34	180.00	-29.00
			36	801	848.25	180.00	-29.00

KEY	F L A G	- INTERVAL - (UNITS = MT.2 DEC.PLACE) (MT=METRIC FT=FOOTRIC) FROM - TO - INT	CORE RECOV- ERY (%)	T- M D	% M I X	ROCK TYPE	TYPI- FYING 1	2	QAL MIN MAT QM1	TEX- TURES 1	2	GRAIN CHARACS F	C	%	M	ARG	PGI /RI	T	STRUCTUR-1 ID	STK AZM	DIP RT	ALTERATION MINS ORE-TYPE MINS SUMMARY H H H H H ANY H H H ANY ALT ORE A A A A A MIN A A A MIN - - - - A FL CY CA BA XX PY CP GL YY A 1 A 2
K	F		ROCK QUAL DESIG	FM AGE	RT EN- VIR	TM LC- COL	3		QN2	TX 3	TX 4	S O R	C	O	U	CHT		T 2	ID STRUCTUR-2	STK AZM	DIP RT	MG MU CL SD QS HA PR MT SL HA H H H H H H H H H H 1 1 A A A A A A A A A A 2 2
/ L		0.00 10.36 10.36				OVER											P					
/ L	WET	10.36 14.74 4.38				CGSN	7A		SN2	TS //	FU	J M 4 4	Q C	NQ2 LQ6			P		RD	D B80		LI D(C)
R		10.36 14.74 TURBIDITE GRADING FROM CGBR TO PLANAR LAMINATED ARSN (A-B-D).																				
/ L		13.29 14.74 1.45			X	ARSN	4A		SN6	LM	7						R	0				D(
/ L	WET	14.74 20.12 5.38				CGSN	4U		SN4	TS //	FU	J L 2 5	N O	LM2 KM5			P		RD	D B90		LI D* C-
R		14.74 20.12 TURBIDITE SEQUENCE A-B-D.																				
/ L		17.78 20.12 2.34			X	ARSN	4A		SN6	LM	7	0 3 6 3					R	1				D(
/ L	WET	20.12 22.36 2.24				CGSN	4U		SN4	TS	FU	J K 2 7	M O	JM2 JK5			P	1		D		LI D(C2
R		20.12 22.36 TURBIDITE SEQUENCE. GRADING FROM CGSN TO LAMINATED ARGILLITE																				
R		20.12 22.36 (A-B-D).																				
/ L	WET	22.36 25.83 3.47				CGSN	4U		SN3	TS	FU	J L 4 6	P O	OP4 JL4			P			D		LI C3
R		22.36 25.83 TURBIDITE A-B.																				
/ L		25.83 27.80 1.97				BRHM	5A		SN3					NN7 JK+			P					B*
/ L		27.80 49.94 22.14				CGBR	7A		SN= *S+	FU		K M 2 6	Q C	NQ3 LP6			P		BD	D B70	V(	
R		27.80 49.94 FINES UPWARD INTO COARSE PEBBLY SAND.																				
/ L		43.98 45.82 1.84			X	SAND	5U			//		1 J 2 6	M				R				V(	LI C2
/ L		49.94 55.46 5.52				ARSI	2A	CR	SN1	XB //	LM	0 3 1 3					P			D B80	V*	V(D)
R		49.94 55.46 THESE LAST 3 UNITS ARE PART OF A THICK A-B-D-E TURBIDITE																				
R		49.94 55.46 SEQUENCE.																				
/ L		55.46 88.20 32.74				BRHM	4A		*S+			-	C	LR9 KN+			P					
R		55.46 88.20 INCREASING CHERT CONTENT AT BASE.																				
/ L	FRG	71.82 74.57 2.75			X	ARGL	6A										R				V)	

KEY	F-L-G	FROM	TO	INT	RECOV RQD	MD AGE	% EV	ROCK RQ	IM LC	IM IM	OM1 OM2	TX TX	TX TX	F S	C C	% O	M O	ARG CHT	RI 2	1 ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/	FLT	75.80	77.42	1.62			X	BRHM			*S+							LR9	R														
L									2A		GG7			-		C		KN+															
/		88.20	183.89	95.69				BRHT			*S(M:							NV5	P										R*				
L									6A						1	C		LO4															
R		88.20	183.89	BRPM AT TOP OF UNIT GRADING TO BRHT.																														
/	FRG	96.32	100.40	4.08			X	CGCP			SN2			H	K	6	Q	N01	R				<)										
L									7A					6			O	K09															
/		123.58	126.49	2.91			X	CGCP						J	L	8	O	MN1	R										R*				
L									6A					7			C	L09															
/		159.35	165.89	6.54			X	ARSI			SN1			0	3	1	3		R														
L									4A																								
R		159.35	165.89	CGCP FRAGMENTS DESCRIBED ABOVE ARE POSSIBLY INTERBEDS.																														
/		183.89	186.80	2.91				CGBR				TS	FU	J	L	7	P	MP2	P			D											
L									6A					7			C	KM5			BD		B60										
R		183.89	186.80	FINES UPWARD INTO LAMINATED ARSI.																														
/		185.25	186.80	1.55			X	ARSI			SN2	IM	SS	0	3	2	3		R														
L									4A		//									2													
/		186.80	189.38	2.58				CGSN			SN3	TS	FU	I	L	7	O	NO=	P			D	V=										
L									7A					7			C	KM8		3	BD	B60		V-	D-								
/		189.38	191.00	1.62				BRHT										N08	P														
L									4A								C	LN2															
/		191.00	194.67	3.67				CGPS			SN5	FU	BD	I	K	3	O	NP2	P			D							D*				
L									7A								C	IM8		2	BD	T50											
/		194.67	207.33	12.66				CGCP			*S*	FU		J	L	7	T	MT4	P										B*				
L									7A								C	LN6												V-			
/		199.00	201.00	2.00			X	ARGL			SI)	LM		0	2	)	2		R														
L																																	
/		203.36	205.66	2.30			X	ARGL			SI)	LM		0	2	)	2		R														
L									1A			SC																					
R		203.36	205.66	ARGL UNITS ARE INTERBEDDED WITH THE CGCP.																														
/		207.33	211.72	4.39				BRHM			SN=	BR						N09	P														
L									3A								C	IL=									V=						
R		207.33	211.72	GRADATIONAL CONTACT WITH LOWER UNIT.																														
/		211.72	213.58	1.86				BRHT			SN4	RU						006	P														
L									6A								O	IJ4									V(						
R		211.72	213.58	GRADATIONAL CONTACT WITH LOWER UNIT.																														

K E Y	F -L- G	F R O M -	T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM TM	QM1 QM2	TX TX	IX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		213.58	252.45	38.87			BRHM				*S)							QR9	P															
L								3A								C		JM+																
/		252.45	269.29	16.84			BRPM				*S+							QR8	P					V(					R*					
L								4A								O		KO2									V*				B-			
R		252.45	269.29	SPHALERITE OCCURING AS BLEBS IN QUARTZ VEIN.																														
/	FLT	263.15	263.53	0.38		X	FAUL	GR			GG9								R										R+					
L								4A																										
/		269.29	275.37	6.08			BRHM				*S-							MR9	P										D-					
L								5A								C		KM*									V*							
/	FAL	275.37	278.88	3.51			FAUL	GR			GG9								P															
L								4A																										
/		278.88	302.36	23.48			BRHM				*S)							NT9	P															
L								5A								C		KN1									V*				B-			
R		278.88	302.36	QUARTZ-SIDERITE ALTERATION STRONGER NEAR FAULT ZONES.																														
/	FLT	289.86	292.92	3.06		X	FAUL	GR			GG9								R															
L								5A																										
/	FLT	295.05	296.27	1.22		X	FAUL	GR			GG8								R															
L								5A																										
/		302.36	366.13	63.77			ARGL				SN+	MX	LM	0	3	+	3		P	0	BD		T10			V)			D)				
L								4A				SC	SS								BD		B15		C+		V+							
R		302.36	366.13	DISRUPTED BEDDING.																														
/	FAL	314.00	315.22	1.22		X	FAUL				GG7								R															
L								4A																				#(						
/	SHR	360.15	363.47	3.32		X	SHER				GG4	BR							R					#1										
L								5A																	C+		V)							
/		366.13	369.70	3.57			BRHM				*S=	SC	SS					MP9	P					V(										
L								5A								C		JK(							C(									
R		366.13	369.70	DISRUPTED ARGL.																														
/		369.70	373.46	3.76			CGPS				SN2	FU	TS	I	L	7		LN2	P				U	V*										
L								7A						6		C		JN8																
R		369.70	373.46	GRADE UPWARD INTO A BRPM.																														
/		373.46	389.23	15.77			CGCP					FU	TS	J	L	7	0	ML4	P				U	V*										
L								5A						6		C		LO6																
R		373.46	389.23	GRADES UPWARD INTO SHEARED ARGILLITE. CORE MISSING AT BASE.																														
/	FLT	378.00	383.54	5.54		X	ARGL	GR			GG9								R															
L								4A																										

K E Y	F -L- G	FROM -	TO -	INT	RECOV R Q D	MD % AGE	ROCK EV	IM RQ	IM LC	IM TM	QM1 QM2	TX TX	TX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		389.23	410.58	21.35			ARSN				SN2	LM	LR	0	4	2	4		P	1	BD		B50						D*					
L									5A			SC	SS													C)									
/		403.00	403.95	0.95		X	SAND					IM		I	I	X	I		R	1												D(			
L									7A					8																					
/		410.58	456.69	46.11			ARGL				SI=	SC	SS	0	2	=	2		P	1	BD		B65						D)					
L									4A			LM														C)						N=		
R		410.58	456.69	LOCAL BRHM DEVELOPED WITHIN UNIT.																															
/		456.69	475.19	18.50			BRHM											NR9	P											R(					
L									4A								C	KM=								C)		<(						
/		475.19	497.97	22.78			BRHM				*C*	R*						PS9	P											R)					
L									4A		*S+					*	C	KN)									#)	V(							
R		475.19	497.97	CONSISTS OF LARGE BLOCKS OF ARSI. DIFFERS FROM PREVIOUS UNIT																															
R		475.19	497.97	BECAUSE OF APPEARANCE OF CONGLOMERATE PEBBLES.																															
K	UDF	497.97	497.97	0.00																															
/		497.97	501.10	3.13			BRHT				*C)	R*						M06	P											R*					
L									5A		*S+						C	LO3													R)			
R		497.97	501.10	SPHALERITE OCCURS INTERSTITIALLY IN CHERT RICH SECTION AND ALSO																															
R		497.97	501.10	AS SI REPLACEMENT IN CHERT.																															
/		501.10	502.37	1.27			ARSI				SN7	LM	LR	0	4	7	4		P	2	BD		T50	V+					D*					
L									5A					8																					
R		501.10	502.37	TWO DISTINCT SAND BEDS SEPARATED BY 30CM OF ARGILLITE.																															
/		502.37	504.28	1.91			ARGL					DB	LM						P											D(					
L									4A																										
R		502.37	504.28	POSSIBLY RELATED TO UNDERLYING TURBIDITE CYCLES.																															
/		504.28	505.01	0.73			CGPS				SN4	FU	TS	H	K	4	N	KN2	P	3	BD		U70						D(					
L									6A			LM	RU	5			O	HL8																	
R		504.28	505.01	CONSISTS OF THREE CRUDE A-B TURBIDITE CYCLES.																															
/		505.01	508.20	3.19			CGPS				SN3	FU	TS	H	K	5	O	LO2	P	3	BD		U70						D(					
L									6A			LM	RU	5			O	HN6																	
R		505.01	508.20	CONTAINS TWO A-B-E TURBIDITE CYCLES.																															
/		508.20	513.52	5.32			CGPS				SN4	FU	TS	H	K	4	N	LN2	P	3	BD		U70						D(					
L									6A			LM	RU	5			O	HM8																	
R		508.20	513.52	CONTAINS FIVE A-B-D TURBIDITE CYCLES.																															
/		513.52	516.64	3.12			CGPS				SN3	FU	TS	H	K	5	O	LO3	P	3	BD		U70						D(					
L									6A			LM	RU	5			O	HN7																	
R		513.52	516.64	CRUDE TURBIDITE CYCLE A-B-D-E.																															
/		516.64	521.00	4.36			CGPS				SN3	FU	TS	H	K	4	O	MO3	P	3	BD		U70						D(					
L									6A			LM	RU	5			O	HN7																	

K E Y	F -L- G	F R O M	- T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM QM1 QM2	TX TX	TX F S	C % C	M O	ARG O CHT	RI 1 2	ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1 A 2
/		521.00	573.25	52.25			BRHT			*S1 SS					PS8	P				V(						D*				
L									4A	GG(SC		=	C	KN2																
R		521.00	573.25		CONSISTS MOSTLY OF LARGE BLOCKS > 1 METRE OF ARSI, SLIGHTLY																										
R		521.00	573.25		DEFORMED, MIXED WITH OCCASIONAL SAND AND CONGLOMERATE FRAGMENTS.																										
/	FRG	528.00	530.89	2.89			X CGSN			SN4 TS		I J 4		K		R														
L									5A			7		O																
R		528.00	530.89		CONTAINS TWO A-B-C-E TURBIDITE CYCLES.																										
/	FRG	544.66	545.38	0.72			X CGCP			MX		K M 4		N	LN3	R										D(				
L									7A			6		C	KM4													D*.		
R		544.66	545.38		DISSEMINATED SPHALERITE IN THE MATRIX AND AS REPLACEMENT IN																										
R		544.66	545.38		CHERT CLASTS.																										
K	LDF	573.25	573.25	0.00																										
/		573.25	613.65	40.40			ARSI			SN1 SC	SS	0 3 1		3		P	1	BD		B60						R1				
L									3U		LM	//										C1								
R		573.25	613.65		BROKEN CORE AT TOP OF UNIT AND BOTTOM OF PREVIOUS UNIT SUGGESTS																										
R		573.25	613.65		A POSSIBLE FAULT.																										
/		607.45	607.92	0.47			X BRPM			SN*					KM3	R											R-				
L									3A					O	JM2															
R		607.45	607.92		THIS UNIT APPEARS CONFORMABLE WITHIN THE ARSI.																										
/		613.65	642.96	29.31			BRHT			*S1 R*					NS7	P				<-						R)				
L									3A	*C+			=	C	KN2							C-								
R		613.65	642.96		CONTAINS 5 % SILICIFIED ARGILLITE FRAGMENTS.																										
/	FRG	634.57	635.14	0.57			X SAND	SF		SN6 MX		H I 2		O	KN+	R											D-				
L									6A			4		O	IN3															
/	FRG	635.22	635.93	0.71			X SAND			SN9 FU G;		I J 4		K	JK1	R		BD		U50						D*				
L									6A			8			IK9															
R		635.22	635.93		THESE TWO SAND FRAGMENTS ARE POSSIBLY IN SITU BEDS.																										
/	FRG	640.26	641.00	0.74			X CGCP					J L 3		N	MN1	R														
L									6A			7			JN9															
/		642.96	667.61	24.65			BRHM			*S+ R*					NR9	P				V*						R*				
L									4A	*C+				C	IN1							C(								
/		667.61	695.82	28.21			BRHM	GR		SN3 R*					LR7	P				V*				C-		R+				
L									2A	*C1				O	HM2							C(								
R		667.61	695.82		MIXTURE OF BACK ARGILLITE CLASTS AND PALE GREY ALTERED ARGILLITE																										
R		667.61	695.82		WITHIN A FINE CHERTY MATRIX.																										
/	FAL	671.17	683.06	11.89			X BRHM	BA	CR	GG5 R*					LR7	R				V*				G1		R+				
L									GR	*C1				O	HM2							C(								
/		695.82	719.63	23.81			BRHM			*S= B* R*					MS8	P										R+		R*		
L									4A	S** H*			*	C	KN1									E)				R*		

K E Y	F -L- G	F R O M	- T O -	I N T	RECOV R O D	MD % AGE	ROCK EV	TM RO	TM LC	QM1 TM	QM2	TX TX	TX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		695.82	719.63		CHARACTERIZED BY LIGHT GREY ALTERED (QUARTZ-SIDERITE) ARGILLITE																															
R		695.82	719.63		CLASTS. EXTENSIVE PY-GL-SL REPLACEMENT OF CHERT CLASTS AND SN																															
R		695.82	719.63		CLASTS.																															
/		719.63	722.48	2.85			CGPS	SF				FU	MX	G	K	5	N	LN1	P				U							D(				
L								7A						4			D	KN8													R(			
/		722.48	726.80	4.32			BRHM	SF		*C+	R*	SS						MN9	P					V(						R)	R)			
L								3A									C	LO=													R)			
R		722.48	726.80		SLIGHTLY DISTURBED ARGILLITE.																															
K	US1	726.80	726.80	0.00																															
R	US1	726.80	726.80		CORRELATABLE WITH 82ANH086.																															
/		726.80	727.43	0.63			MSSX	SD	SX			BN							P		BN		T60	V1		P2		E1		M2				
L								5A	CB			MO														P2				L2				
R		726.80	727.43		CRUDE SPHALERITE BANDING. GALENA AND PYTIE OCCUR AS A COARSE																															
R		726.80	727.43		CRYSTALLINE MASS REPLACING A SILTY MATRIX OF ARSI. PYRITE OFTEN																															
R		726.80	727.43		RIMS THE PSEUDO-SPHALERITE LAMINAE.																															
/		727.43	728.03	0.60			MSSX	CB	PY			FG	MO						P					V1		<+		Q1		#=				
L								4U	SD			VG														P3				M2				
R		727.43	728.03		MASSIVE SPHALERITE OCCURS AS A MOTTLED BRECCIA FILLING. PYRITE																															
R		727.43	728.03		IS COARSE CRYSTALINE AND FILLS CAVITIES.																															
/		728.03	728.70	0.67			SAND	SD	SF			FG	MO						P					V2				D+		#=				
L								6A	CB			BN	VG													P3	V1			<1				
R		728.03	728.70		VUGGY SIDERITIC SANDSTONE; BRECCIATED. CRUDE SPHALERITE																															
R		728.03	728.70		LAMINAE. VUGS ARE FILLED BY CRYSTALLINE QUARTZ-GALENA-PYRITE.																															
R		728.03	728.70		SIDERITE MAY COMPRISE SOME OR MOST OF THE CARBONATE MINERAL.																															
/		728.70	730.20	1.50			SAND	SD	SF			BR	MX						P					V2				D)		D+				
L								7A																		P4	<=			<+				
R		728.70	730.20		APPEARS AS AN ALTERED SAND. THOUGH THE ORIGINAL TEXTURE IS																															
R		728.70	730.20		CONCEALED BY THE SIDERITE IT IS POSSIBLY A CHERTY BED.																															
K	LS1	730.20	730.20	0.00																															
/		730.20	731.25	1.05			ARSI				SN3	SS	DB	0	3	3	3		P					V1				D*						
L								5A				MX														V1								
/		731.25	733.44	2.19			SAND				SN7	MX		G	I	6	I		P					V+				D*						
L								5A						5																				
/		733.44	737.86	4.42			ARSI				SN1	LM		0	3	1	3		P		BD		D45	V*				D)						
L								4A				SS																						
/		737.86	767.24	29.38			BRHT					B*						NS7	P					V*				R*						
L								4A				R*					C	LN3																
/	FSX	751.81	752.40	0.59		X	SAND	SF	PY			LM		A	F	8	F		R									L3						
L								5A						6												B)								

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM OM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA

R       751.81  752.40      LAMINATED PYRITE SHALE-SAND SIMILAR TO UPPER PORTION OF SOUTH
R       751.81  752.40      ZONE 2.

K US2   767.24  767.24  0.00

/       767.24  768.90  1.66            SFFE SF PY     LM F9                P    RD     T90                        L2     D)
L                                           4A SD     BN SS                     B70       C1 P1
R       767.24  768.90      ESSENTIALLY A SILICIFIED ARSI WITH PYRITE-GALENA REPLACEMENT OF
R       767.24  768.90      SILT BEDS.

/       768.90  771.82  2.92            SFFE SF PY     MO F9                P    00     T90                        Q2     #1
L                                           5A SD     BN SS                     B70       C1 P1
R       768.90  771.82      SULPHIDES OCCUR AS IRREGULAR BANDS OR CLUSTERS.  THE PYRITE HAS
R       768.90  771.82      A COLLOFORM TEXTURE, SPHERIC IN SHAPE, OFTEN WITHOUT AN
R       768.90  771.82      ARGILLITE NUCLEUS.  GALENA IS FAIRLY COARSE AND OCCURS IN BANDS
R       768.90  771.82      WITH PYRITE AND AS FRACTURE FILLING.

/       771.82  773.10  1.28            MSSX SF SX     MX                   P                               D)     M7
L                                           5A                                      C) Q=
R       771.82  773.10      MASSIVE CRYSTALLINE (0.25 MM DIAM.) GALENA PIPE.

/       773.10  776.02  2.92            SFFE SF SX     LM MO                P    BD     T80           P1          D* M2
L                                           5A SD     FG F9                     P2                               L1
R       773.10  776.02      SPHALERITE OCCURS AS FINE LAMINAE AND SMALL FRACTURE FILLINGS
R       773.10  776.02      ALONG CRENULATION CLEAVAGE.  GALENA OCCURS IN WIDE PSEUDO-BANDS
R       773.10  776.02      WITH CARBONATES.  PYRITE-SPHALERITE INTERVALS ARE LEAD POOR.

/       776.02  777.82  1.80            SFFE SF PY     LM F9                P    BD     B60           L1          L2     F=
L                                           4A SD     SS                        P2                               L•
R       776.02  777.82      LAMINATED ARSI WITH PYRITE CARBONATE REPLACEMENT OF SILT.
R       776.02  777.82      GALENA OCCURS AS FRACTURE FILLING.

K LS2   777.82  777.82  0.00

/       777.82  797.77 19.95            ARSI SF     SN2 SS DB 0 3 2 3        P    BD     T60 <*        C* C*       D*
L                                           3A                                BD     B90

/ FAL   795.01  797.05  2.04          X ARSI SF     SN2 SS DB 0 3 2 3        R    BD     T60 <*        C* C*       D*
L                                           3A    GG2                         BD     B90

K US3   797.77  797.77  0.00

/       797.77  800.25  2.48            SFFE SF CB     BN MO                P  1 BD     T65           L1          #=     L=
L                                           3A SD     LM                     2                       P1                 L+
R       797.77  800.25      LAMINATED ARGILLITE WITH IRREGULAR BANDS OF CARBONATE-GALENA AND
R       797.77  800.25      CARBONATE-SPHALERITE-GALENA PARALLEL TO BEDDING.

/       800.25  801.60  1.35            SFFE SF CB        MO                P  2 BD     T65           L3          #2     L1
L                                           5A SX     BN                                                           L1
R       800.25  801.60      SAME ROCK TYPE AS ABOVE BUT LAMINATED TEXTURE IS OBLITERATED BY
R       800.25  801.60      EXTENSIVE CARBONATE-PYRITE ALTERATION.  SPHALERITE-GALENA OCCURS
```

KEY	F -L- G	FROM ----.--	TO ----.--	INT ---.--	RECOV ---.-- R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM DM1 DM2	TX TX	TX F S	C C	% M O	M D	ARG CHT	RI	1 2	ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		800.25	801.60		IN PSEUDO-BANDS.																												
/ L		801.60	805.25	3.65			SFFE	SF 5A	CR		LM VG	MO					P	1 2	BD		T65	<*			L1 P1	L2		L=		L= L=		
R		801.60	805.25		FINELY LAMINATED BA-SL-PY-GL-CARBONATE AND ARGILLITE.																													
/ L		805.25	808.79	3.54			SFFE	BA 8A	CR		LM						P					<)				L2	KA P)	A=		A= L1		
R		805.25	808.79		CORE IS REDUCED TO A POWDER. GALENA, BARIUM, SPHALERITE APPEAR																													
R		805.25	808.79		TO BE LAMINATED. PYRITE AND GALENA ALSO OCCUR AS COARSE																													
R		805.25	808.79		CRYSTALLINE VUG FILLINGS.																													
/ L		808.79	814.43	5.64			ARSI	SF 4A	BA	SN1	LM	0 3 1 3					P		BD		B60	<1			L1		D)		A+ L=		
/ L		811.96	813.35	1.39		X	VEIN										R					>X										
K	LS3	814.43	814.43	0.00																													
/ L		814.43	843.38	28.95			ARGL	SF 3A	CR GR		LM						P					>=		C*		C*		D*		V*		
/ L		843.38	848.25	4.87			ARGL	GR 2A	CR	GG6	MX						P					>)						D*				

GEOLOG EDIT LISTING

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

AHERFORD RESOURCES LTD.
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRAVERSE :	B2AWH086	COLLAR ELEVATION:	1254.38	AZIMUTH(DEG) :	184.20	GEOLOGGED BY :	JRD +
TOTAL DEPTH/LENGTH :	776.33	NORTHING(- IF S):	7002549.76	VERTICAL ANGLE :	-67.98	DATE (YY/MM/DD):	821031
CORE/HOLE DIAMETER :	NQ	EASTING (- IF W):	436737.90	CO-ORD SYSTEM :	UTM	PROJECT NUMBER :	J-S

	SEG. NO OF SURVEY DATA	FLAGS	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
R SVY 0.00 776.33			PLOTTING FILE.		
R SVY 0.00 776.33			THIS FILE CONTAINS THE FOLLOWING DATA:		
R SVY 0.00 776.33			1) GYROSCOPIC DATA FROM 0.00M. TO 710.18M.		
R SVY 0.00 776.33			2) MULTISHOT DATA FROM 710.18M. TO 776.33M.		
R SVY 0.00 776.33			ALTHOUGH THIS BRANCH HOLE WAS GYROSCOPICALLY SURVEYED FROM		
R SVY 0.00 776.33			NEAR ITS BOTTOM TO THE COLLAR OF THE PILOT HOLE (DDH 82-86),		
R SVY 0.00 776.33			MINOR DISCREPANCIES EXIST BETWEEN THIS SURVEY, AND THE UPPER		
R SVY 0.00 776.33			PART OF THE GYROSCOPIC SURVEY OF THE PILOT HOLE. TO AVOID		
R SVY 0.00 776.33			PROBLEMS IN PLOTTING THE BRANCH HOLE, THE RESULTS OBTAINED FOR		
R SVY 0.00 776.33			DDH 82-86 (FLAGGED 001 TO 009) ARE USED TO THE BRANCH POINT.		
R SVY 0.00 776.33			GYROSCOPIC SURVEY POINTS FROM THE BRANCH HOLE ARE FLAGGED		
R SVY 0.00 776.33			FROM 111 TO 128.		
R SVY 0.00 776.33			NOTE ALSO THAT THE MULTISHOT DATA HAS BEEN ALTERED TO AGREE		
R SVY 0.00 776.33			WITH THE GYROSCOPIC RESULTS. TEN DEGREES HAS BEEN ADDED TO THE		
R SVY 0.00 776.33			AZIMUTH READINGS OF EACH MULTISHOT POINT USED IN THIS FILE.		
	1	001	30.48	185.40	-68.55
	2	002	60.96	185.50	-67.88
	3	002	91.44	186.60	-67.05
	4	003	121.92	185.80	-65.10
	5	004	152.40	186.80	-63.60
	6	005	182.88	187.00	-61.53
	7	006	213.36	188.90	-61.05
	8	007	243.84	190.40	-58.95
	9	008	274.32	188.90	-57.42
	10	009	304.80	186.60	-56.22
	11	111	320.04	187.30	-55.38
	12	801	331.01	189.89	-54.50
R SVY 331.01 331.01			BRANCH POINT FOR DDH 82-86A.		
	13	112	335.28	190.00	-53.15
	14	113	350.52	191.50	-52.10
	15	114	365.76	190.80	-50.75
	16	115	381.00	191.00	-50.17
	17	116	396.24	191.40	-48.75
	18	117	411.48	192.60	-46.17
	19	118	426.72	193.50	-42.27
	20	119	457.20	194.60	-39.07
	21	120	487.68	194.70	-35.18
	22	121	518.16	193.30	-31.45
	23	122	548.64	193.50	-30.73
	24	123	579.12	193.70	-30.37

			25	124	609.60	193.00	-28.77
			26	125	640.08	192.30	-27.60
			27	126	670.56	192.10	-27.48
			28	127	701.04	192.00	-27.52
			29	128	710.18	192.10	-27.52
R	SVY	723.90	723.90	BEGIN ALTERED MULTISHOT DATA.			
			30	835	723.90	192.00	-27.00
			31	836	736.09	192.00	-27.00
			32	837	748.28	192.00	-27.00
			33	838	760.48	192.00	-27.00
			34	839	772.67	192.00	-27.00
			35	899	776.33	192.00	-26.00
R	SVY	776.33	776.33	TOTAL DEPTH.			
R	SVY	0.00	710.18	STORAGE FILE: GYROSCOPIC DATA			
R	SVY	0.00	710.18	BELOW IS A COMPLETE LISTING OF THE GYROSCOPIC SURVEY OF			
R	SVY	0.00	710.18	DDH 82-86A.			
			36	001	30.48	186.70	-68.78 (NOT USED)
			37	002	60.96	186.20	-68.17 (NOT USED)
			38	003	91.44	187.10	-67.42 (NOT USED)
			39	004	121.92	187.10	-65.72 (NOT USED)
			40	005	152.40	187.00	-63.85 (NOT USED)
			41	006	182.88	187.40	-61.52 (NOT USED)
			42	007	213.36	188.30	-61.38 (NOT USED)
			43	008	243.84	189.50	-59.12 (NOT USED)
			44	009	274.32	188.40	-57.80 (NOT USED)
			45	010	304.80	186.60	-56.75 (NOT USED)
			46	011	320.04	187.30	-55.38 (NOT USED)
R	SVY	0.00	775.11	STORAGE FILE: SINGLESHOT.			
R	SVY	0.00	775.11	THIS FILE CONTAINS THE FOLLOWING DATA:			
R	SVY	0.00	775.11	1) SINGLESHOT FROM PILOT HOLE 0.00M. TO 331.01M.			
R	SVY	0.00	775.11	(FLAGGED 201 TO 237).			
R	SVY	0.00	775.11	2) SINGLESHOT FROM BRANCH HOLE 331.01M. TO 775.11M.			
R	SVY	0.00	775.11	(FLAGGED 301 TO 319).			
			47	201	13.10	180.00	-68.50 (NOT USED)
			48	202	24.38	182.00	-68.00 (NOT USED)
			49	203	38.71	179.00	-69.00 (NOT USED)
			50	204	41.75	185.00	-68.50 (NOT USED)
			51	205	56.69	182.00	-68.00 (NOT USED)
			52	206	71.63	185.00	-68.00 (NOT USED)
			53	207	86.56	184.00	-68.00 (NOT USED)
			54	208	103.33	185.00	-67.00 (NOT USED)
			55	209	119.79	184.00	-66.50 (NOT USED)
			56	210	134.72	182.00	-65.00 (NOT USED)
			57	211	149.96	182.00	-64.00 (NOT USED)
			58	212	160.93	183.50	-62.75 (NOT USED)
			59	213	168.55	183.50	-62.75 (NOT USED)
			60	214	183.49	182.50	-61.00 (NOT USED)
			61	215	185.62	181.00	-61.00 (NOT USED)
			62	216	198.73	185.00	-61.00 (NOT USED)
			63	217	200.56	184.00	-61.00 (NOT USED)
			64	218	217.85	182.50	-61.00 (NOT USED)
			65	219	218.85	181.00	-61.00 (NOT USED)
			66	220	219.15	181.50	-61.00 (NOT USED)
			67	221	238.65	192.00	-59.50 (NOT USED)
			68	222	247.80	182.00	-59.25 (NOT USED)
			69	223	263.96	184.00	-58.00 (NOT USED)
			70	224	270.66	184.00	-58.00 (NOT USED)

```
K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- -----.-- -----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- -- - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA
R       335.28  369.00      LOCAL SEDIMENTARY AND TECTONIC DISRUPTION OF BEDDING.

/       359.36  363.20  3.84          X ARGL      SI1 BR // 0 2 = 3       R  0 00      T00 #1       V(       D*
L                                         4A    SN+ BR                     0        B00       C=
R       359.36  363.20      BRECCIATED ARGILLITE INVADED BY A QUARTZ STOCKWORK CONTAINING.
R       359.36  363.20      SMALL (0.5 CM) SHARDS OF ARGILLITE.

/ SHR   369.00  382.00 13.00               BRHT      GG1              NT8   P                          R(
L                                                   *S+            C KN2                      C*
R       369.00  382.00      HIGHLY BROKEN CORE.  THIS UNIT CONTAINS A LARGE INTERVAL OF
R       369.00  382.00      DISRUPTED CHERT.  FREE ARGILLITE WHICH IS POSSIBLY FRAGMENTS
R       369.00  382.00      WITHIN THE SLUMP UNIT.

/       382.00  388.10  6.10              BRHM      GG1              OR9   P                          D(
L                                         4A                     C                          C*
R       382.00  388.10      RUBBLY CORE OF DISRUPTED AND BRECCIATED ARSI.

/       388.10  400.90 12.80              BRHT                       NS8   P                          R(
L                                         5A                     C KN2                      C(
R       388.10  400.90      RUBBLY CORE.

/       400.90  410.20  9.30              ARSI      SI2 LM // 0 3 1 3       P  1 BD      T50 V)       D(
L                                         4A          LR                     2        B25       C) <-

/       401.12  401.60  0.48          X SAND      SN9 LM ST 3 4 3 4       R  1 BD       50 V+       D*
L                                         5A          //    7
R       401.12  401.60      CORRELATES WITH SAND BED AT 403 METRES IN 82AWH086.

/       410.20  449.00 38.80              ARGL CB   *S= SS BR 0 2 = 2 PS9   P              V)       V*       R*
L                                         4A                     C                          <( V*         B+
R       410.20  449.00      BRECCIATION LOCALLY INTENSE, BUT GENERALLY MILD.  SPHALERITE AS
R       410.20  449.00      BLEBS IN QUARTZ-SIDERITE-CALCITE VEINS.  CLASTS ARE ARSI.

/ FLT   418.90  420.60  1.70          X BRHM CB   *S= BR BR 0 2 = 2 PS9   R              #1       V*       R*
L                                         4A    GG1              C                          C= <( V*         B(

/       449.00  488.55 39.55              BRHM      *S+                NT9   P              <(                R*
L                                         4A                (    C KL+                      C)                R)

K UDF   488.55  488.55  0.00

/       488.55  496.50  7.95              CGCP      SN2 CU     J 6 3 P NP4   P              V)                R*
L                                         7A                   6     C
R       488.55  496.50      INTERVAL IS MUDDY TO SANDY AT BOTTOM.

/       496.50  500.07  3.57              CGSN      SN2 FU TS 4 5 4 0       P              V*                R(
L                                         5A                   7     D                                      R(
R       496.50  500.07      TURBIDITE SEQUENCE: A-B-E.

/       500.07  502.47  2.40              SAND      SN6 FU TS 4 5 3 N       P              <(                R(    R=
L                                         6A                   6                                            R(
```

K E Y	F -L- G	F R O M -	T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	QM1 QM2	TX TX	TX S	F C O	C % M	ARG CHT	RI	1 2	ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		500.07	502.47		TURBIDITE CYCLE: 2 CYCLES A-B-E.																											
/		502.47	584.80	82.33			BRHM								OV9	P																
L									3A					C	JN+																
/		502.47	502.72	0.25		X	BRHM			ST					OV9	R								<							
L									3A					C	JN+																
R		502.47	502.72		BLEACHED, SF, ST CLAST AT TOP OF INTERVAL.																											
/		507.67	507.90	0.23		X	BRPM	CB		FU					KN=	R						U			P=		R*				
L									5A					O	JN2																
/		517.50	520.50	3.00		X	ARSI			SN1	//	LM	0	3	1	3	R	1			40						R(				
L									4A	SI=	BD		8					2					C*								
R		517.50	520.50		PROBABLE CLAST, BUT MAY BE AN INTERBED.																											
/		549.25	563.90	14.65		X	ARSI			SN1	//	LM					R	1			30										
L									4A	SI=	BD							2					C*								
R		549.25	563.90		THIS INTERVAL IS ALSO MOST LIKELY A CLAST.																											
/		584.80	623.62	38.82			BRHM	CB		*S=					NT9	P						V)			V)		R*				
L									3A	GR	GG=			+	C	JN=							C*		<(						
R		584.80	623.62		INTERVALS OF PEBBLY SAND ARE PROBABLY FRAGMENTS. CORE RUBBLY																											
R		584.80	623.62		TOWARDS BASE.																											
/	FRG	586.43	588.87	2.44		X	CGPS			SN3			4	6	2	P	R					V+					<(				
L									6A	*S+			5			0							C*								
/		623.62	628.50	4.88			BRHT			SN=	R*					NP3	P										R*				
L									6A						C	KN6							C(								
/	SHR	628.50	631.55	3.05			ARGL	CR		SN+			0	3	+	6	P														
L									2A	GG=			5										C.								
R		628.50	631.55		VERY RUBBLY CORE.																											
/	SHR	631.55	636.42	4.87			CGSN			SN2	FU	MX	4	5	3	N	P					V)					R(				
L									5A		B*		6			0							C-								
/	FLT	632.60	633.80	1.20		X	ARGL	GR		GG1	BD	LM					R														
L									3A																						
/		636.42	667.70	31.28			BRHM	PY		GG1						NS9	P					>)			V*		<+				
L									4A	*S)			*		C	KO+							C(								
/	FAL	637.95	641.60	3.65		X	BRHM	GR		GG9						NS9	R					>)			#(		<+				
L									3A	*S)			*		C	KO+							C(								
R		656.77	656.97		CONTAINS 90 % PYRITE.																											
/	SHR	659.00	665.68	6.68		X	BRHM	PY		GG1						NS9	R					>)			V*		<+				
L									4A	*S)			*		C	KO+							C(								
R		659.00	665.68		HIGHLY BROKEN CORE.																											

K E Y	F G	FROM -	TO -	INT	RECOV R Q D	MD AGE	X EV	ROCK RQ LC	TM TM	TM QM1 QM2	TX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A	1	A	2
/		665.68	666.00	0.32			X	BRHM 4A	PY *S)	GG1		*	C			NS9 JL+	R					>)		C(	V•			<+					
/		666.00	667.70	1.70			X	BRHM 4A	PY *S)	GG1		*	C			NS9 JL+	R					>)		C(	V•			<+					
K	US1	667.70	667.70	0.00																														
R	US1	667.70	667.70	CORRELATABLE TO HOLE 82-DH086.																														
/		667.70	669.65	1.95				MSSX CB SX UA PY		MX VG BN FG							P	2 BD 3		T30 B50	<)			V+			M1		M2 M2				
R		667.70	669.65	SULPHIDES ARE CRUDELY BANDED. SIDERITE OCCURS AS VEINS																														
R		667.70	669.65	CROSS-CUTTING THE BANDS AND PERVASIVELY. IT IS ALSO CRUDELY																														
R		667.70	669.65	BANDED.																														
/		669.65	671.55	1.90				SAND SF SD 7A		MO LM 3 4 = 4 FG							P	BD		T50	>			C(V2			U(	<)	<+ >+				
R		669.65	671.55	HIGHLY ALTERED (BLEACHED AND SIDERITIZED) SAND FRAGMENTED WITH																														
R		669.65	671.55	SIDERITE AS INFILL BETWEEN FRAGMENTS AND ALSO OCCURING																														
R		669.65	671.55	PERVASIVELY IN THE MATRIX.																														
/		670.60	670.70	0.10			X	ARGL 4A	SF	BR							R					>1		C(				R1		•+			
K	LS1	671.55	671.55	0.00																														
/		671.55	673.00	1.45				BRHM 4A	SF	GG1			C			MO9 JM)	P							C(				R)					
R		671.55	673.00	VERY RUBBLY CORE COMPOSED OF ARGILLITE CLASTS.																														
/	FAL	673.00	701.00	28.00				BRHM 3A	GR	GG5 SN1			C			NQ8 KO+	P							C(		V)		R*					
R		673.00	701.00	MAJOR SHEAR ZONE, CORE IS VERY RUBBLY.																														
R		692.00	701.00	SLIGHTLY MORE CARBONACEOUS.																														
/		701.00	703.64	2.64				BRHM 3A	GR	SN1			C			NQ7 KO)	P								M=			M3					
/		701.00	701.60	0.60			X	MSSX									R											M5					
/		702.50	702.50	0.00			X	CBSX									R								M8			V1					
K	US2	703.64	703.64	0.00																														
/		703.64	707.35	3.71				SFFE		BN MX							P					>+			L4			Q+ D+	<*	<*			
R		703.64	707.35	THIS INTERVAL CONTAINS TWO ZONES OF BARREN UNSILICIFIED																														
R		703.64	707.35	ARGILLITE ROCK (705.66 TO 706.22 METRES AND 704.70 TO 705.33																														

KEY	F-L-G	FROM -	TO -	INT	RECOV RQD	MD % AGE	ROCK EV	TM TM QM1 QM2	TX TX F S	C % M C	ARG O O CHT	RI 1 2	ID AZM DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		703.64	707.35					METRES). HIGHLY GRAPHITIC AND RUBBLY; MASKING ORIGINAL TEXTURES																	
R		703.64	707.35					(MAY BE BRHM).																	
/		707.35	708.15	0.80			CBSX		MX		P			V)							B(	Q1			
L													M6						Q=						
/		708.15	709.60	1.45			SFFE		FG		P										B=	B(	B*		
L													M5						Q2						
R		708.15	709.60					UPPER PART OF THE INTERVAL FROM 708.15 TO 708.75 METRES IS																	
R		708.15	709.60					SIDERITE RICH. LOWER PART OF THE INTERVAL FROM 703.75 TO 709.60																	
R		708.15	709.60					METRES IS PYRRHOTITE RICH.																	
/		709.60	713.40	3.80			CBSX		MX		P														
L													M7						B.		Q1				
R		709.60	713.40					INTERVAL FROM 703.60 TO 711.40 METRES IS GALENA RICH. INTERVAL																	
R		709.60	713.40					FROM 711.50 TO 713.40 METRES IS RELATIVELY BARREN.																	
/		713.40	717.10	3.70			SFFE		BN		P	BD	50	V)							V1		Q1		
L													P4						Q=		V.				
/		717.10	718.85	1.75			CBSX				P												Q1		
L													M6						B=						
/		718.85	721.37	2.52			SFFE		FG		P										V=		Q1		
L													M6						Q1						
R		718.85	721.37					THE INTERVAL HAS BEEN LOCALLY BRECCIATED AND INFILLED WITH A																	
R		718.85	721.37					LATER PHASE OF LIGHT COLOURED FERROAN CARBONATE (IRON POOR),																	
R		718.85	721.37					POST DATING THE INITIAL SIDERITIZATION.																	
/		721.37	722.74	1.37			CBSX		MX FG		P			V)							B)		Q=		
L													M4						M3						
R		721.37	722.74					THIS INTERVAL APPEARS TO REPRESENT A TRANSITION FROM THE UPPER																	
R		721.37	722.74					SIDERITE PART OF SOUTH ZONE TWO TO THE LOWER PYRITE/PYHRROTITE																	
R		721.37	722.74					RICH PART OF SOUTH ZONE TWO.																	
/		722.74	729.00	6.26			SFFE		FG BN		P										Q2		B)		
L									ST												Q2				
R		722.74	729.00					INTERVAL COMPRISES A SILICIFIED ARGILLITE WITH UP TO 40 %																	
R		722.74	729.00					IRON SULPHIDES (PO>PY) OCCURING AS BANDS AND CROSS-CUTTING																	
R		722.74	729.00					FEATURES. GALENA IS A MINOR LOCAL CONSTITUENT OCCURING AS VEINS																	
R		722.74	729.00					AND BLEBS.																	
/		729.00	733.55	4.55			SFFE		FG MX		P										Q2		Q2		
L									BN														B(		
R		729.00	733.55					UPPER HALF OF THIS INTERVAL SHOWS CRUDE BANDING WITH ALTERNATING																	
R		729.00	733.55					BANDS OF SULPHIDES (PY/GL) AND SILICIFIED ARGILLITE. LOWER HALF																	
R		729.00	733.55					OF THE INTERVAL SHOWS A MORE MASSIVE TEXTURE AND COMPRISES A																	
R		729.00	733.55					MOSAIC OF GALENA/PYRITE AND LIGHT COLOURED CARBONATE. RELIC																	
R		729.00	733.55					SILICIFIED ARGILLITE FRAGMENTS OCCUR IN THE LOWER HALF.																	
R		729.00	733.55					PYRRHOTITE IS ALSO ABSENT IN THIS INTERVAL.																	
/		733.55	735.80	2.25			SFFE GR		FG ST		P										Q2		Q=		
L																							V)		

K E Y	F -L- G	F R O M -	T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM	QM1 QM2	TX TX	TX S	F C	% C	M O	ARG O	CHT	RI 1 2	ID	AZM	DIP	OZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A 1 A 2
R		733.55	735.80				BASE OF THIS INTERVAL DENOTES THE APPROXIMATE BASE OF SOUTH ZONE																											
R		733.55	735.80				TWO HUT HAS BEEN TERMINATED ABY A LATE FELSITE DYKE; IE. NO																											
R		733.55	735.80				SIGNIFICANT MINERALIZATION OCCURS BELOW THE DYKE, ALTHOUGH THE																											
R		733.55	735.80				ROCK IS SLIGHTLY SILICIFIED.																											
/		735.80	738.50	2.70			DYKE				EQ								P													
L							FL																									
/		738.50	776.33	37.83			ARGL				LM								P	0	BD		<)						#)			
L								4A																							#*	
/		738.50	743.85	5.35		X	ARGL	GR	CR	GG1	LM								R	0	BD		<)						#)			
L								3A																							#*	
R		738.50	743.85				INTERVAL IS SLIGHTLY TO MODERATELY SILICIFIED. CORE IS RUBBLY																											
R		738.50	743.85				AND GRAPHITIC. GOUGE ZONE DEVELOPED FROM 742.70 TO 743.80 METRES																											
R		738.50	743.85				SHOWING AS A DISTINCT GAMMA PEAK.																											
/		743.85	751.70	7.85		X	ARGL				BD								R	0	BD		<+						#+			
L								4A														B50									#)	
R		743.85	751.70				INTERVAL SHOWS REMARKABLE CRACKLE BRECCIATION WITH PYRITE AND																											
R		743.85	751.70				MINOR SPHALERITE CRACKLE FILLING.																											
/		751.70	766.35	14.65		X	ARGL				F9	BR							R	0	BD	T70	<)						#•			
L								4A													BD	B60									#•	
R		751.70	766.35				CRACKLE BRECCIATION SIMILAR TO ABOVE INTERVAL.																											
/		766.35	776.33	9.98		X	ARGL				LM								R	0	BD	T50	<)	#*					#)			
L								4A																							#.	
R		766.35	776.33				THIS INTERVAL SHOWS DECREASED GAMMA BACKGROUND DUE TO INCREASE																											
R		766.35	776.33				IN QUARTZ-MICROVEINING.																											

G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

ABERFORD RESOURCES LTD.
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE :	A2-DH087	COLLAR ELEVATION:	1295.03	AZIMUTH(DEG) :	167.00	GEOLOGGED BY :	PCH + DWB
TOTAL DEPTH/LENGTH :	758.34	NORTHING(- IF S):	7002573.15	VERTICAL ANGLE :	-76.53	DATE (YY/MM/DD):	820905
CORE/HOLE DIAMETER :	NQ	EASTING (- IF W):	436472.59	CO-ORD SYSTEM :	UTM	PROJECT NUMBER :	J-S

			SEQ. NO OF SURVEY DATA	FLAGS	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
R SVY	0.00	758.34		PLOTTING FILE			
R SVY	0.00	758.34		THIS FILE CONTAINS THE FOLLOWING DATA:			
R SVY	0.00	758.34		1) GYROSCOPIC DATA FROM 0.0 TO 109.73 M.			
R SVY	0.00	758.34		2) MULTI-SHOT DATA FROM 115.82 TO 756.82 M.			
			1	001	3.05	167.50	-75.92
			2	002	6.10	167.20	-76.12
			3	003	9.14	167.80	-77.00
			4	004	12.19	166.90	-77.03
			5	005	15.24	167.50	-77.00
			6	006	18.29	168.10	-77.07
			7	007	21.34	167.20	-77.00
			8	008	24.38	167.20	-76.92
			9	009	27.43	166.90	-76.67
			10	010	30.48	165.90	-76.70
			11	011	33.53	166.40	-76.68
			12	012	36.58	169.90	-76.13
			13	013	39.62	171.80	-75.75
			14	014	42.67	171.80	-75.60
			15	015	45.72	172.30	-75.28
			16	016	48.77	171.40	-75.33
			17	017	51.82	171.40	-75.22
			18	018	54.86	171.40	-75.10
			19	019	57.91	171.50	-75.12
			20	020	60.96	171.10	-74.92
			21	021	64.01	170.70	-74.70
			22	022	67.06	170.80	-74.72
			23	023	70.10	170.40	-75.00
			24	024	73.15	171.00	-74.28
			25	025	76.20	169.30	-74.28
			26	026	79.25	169.40	-74.08
			27	027	82.30	169.60	-73.87
			28	028	85.34	169.70	-73.67
			29	029	88.39	168.90	-74.50
			30	030	91.44	168.20	-73.43
			31	031	94.49	168.40	-73.28
			32	032	97.54	168.10	-73.17
			33	033	100.58	167.80	-73.18
			34	034	103.63	167.70	-73.08
			35	035	106.68	167.50	-73.08
			36	036	109.73	167.00	-73.10

		37	413	115.82	166.50	-73.00
		38	414	128.02	166.00	-72.50
		39	415	140.21	168.00	-71.50
		40	416	152.40	166.00	-71.25
		41	417	164.59	165.00	-70.50
		42	418	176.78	165.50	-70.00
		43	419	188.98	164.00	-68.50
		44	420	201.17	164.00	-68.00
		45	421	213.36	164.00	-66.00
		46	422	225.55	168.00	-65.75
		47	423	237.74	164.00	-64.50
		48	424	249.94	164.00	-64.00
		49	425	262.13	164.50	-64.00
		50	426	274.32	165.00	-64.50
		51	427	298.70	165.50	-63.00
		52	428	310.90	165.50	-61.00
		53	429	323.09	164.00	-61.50
		54	430	335.28	165.00	-60.00
		55	431	347.47	165.50	-59.00
		56	432	359.66	166.00	-58.25
		57	433	371.86	165.00	-58.00
		58	434	384.05	166.50	-56.50
		59	435	396.24	165.50	-55.50
		60	436	408.43	166.00	-54.00
		61	437	420.62	166.00	-53.50
		62	438	432.82	166.00	-52.00
		63	439	445.01	166.00	-52.25
		64	440	457.02	166.00	-52.00
		65	441	469.39	166.50	-52.00
		66	442	481.58	166.00	-50.50
		67	443	493.78	166.50	-50.00
		68	444	505.97	166.00	-49.00
		69	445	518.16	165.00	-47.75
		70	446	530.35	164.00	-46.25
		71	447	542.54	163.00	-46.00
		72	448	554.74	164.00	-46.00
		73	449	566.93	164.00	-46.00
		74	450	579.12	164.00	-45.75
		75	451	591.31	164.00	-45.50
		76	452	603.50	163.50	-45.25
		77	453	615.70	164.00	-45.25
		78	454	627.89	164.00	-44.50
		79	455	640.08	164.00	-44.00
		80	456	652.27	164.00	-44.00
		81	457	664.46	165.00	-44.00
		82	458	676.66	165.50	-43.00
		83	459	725.42	166.00	-38.00
		84	460	737.62	164.00	-38.00
		85	461	749.81	165.00	-37.25
		86	462	756.82	164.00	-36.75
		87	801	758.34	164.00	-36.75
R SVY	0.00	754.07	STORAGE DATA: SINGLE-SHOT			
		88	201	20.42	167.00	-77.00 (NOT USED)
		89	202	35.97	163.00	-76.50 (NOT USED)
R SVY	36.73	36.73	CLAPPISON WEDGE 57 RIGHT			
		90	203	52.73	168.00	-75.00 (NOT USED)
		91	204	66.75	172.00	-74.00 (NOT USED)

KEY	F L A G	- INTERVAL - (UNITS = MT.2 DEC.PLACE) (MT=METRIC FT=FOOTRIC) FROM	TO	INT	CORE RECOV- ERY (%)	T- H O	% M I X	ROCK TYPE	TYPI- FYING TM 1	TM 2	QAL MIN MAT QM1	TEX- TURES TX 1	TX 2	GRAIN CHARACS F	C	%	M	ARG	PGI /RI	STRUCTUR-1 T	ID	STK AZM	DIP RT	ALTERATION MINS H A QZ	H A FL	H A CY	H A CA	H A BA	ANY MIN XX	ORE-TYPE H A PY	H A CP	H A GL	ANY MIN YY	SUMMARY ALT - A 1	ORE - A 2
KEY	F L G				ROCK QUAL DESIG	FM AGE	RT EN- VIR	Q	LC- COL	TM 3	QM2	TX 3	TX 4	S C R	O	O	C	CHT		T 1 2	ID	STK AZM STRUCTUR-2	DIP RT	MG H A	MU H A	CL H A	SD H A	QS H A	HA H A	PR H A	MT H A	SL H A	HA H A	1 2	1 2
/ L R	0.00	43.30	43.30			ARSI			3A					0	3	1	3		P	2	BD	75											D-
R	0.00	43.30	SLIGHTY DISTURBED ARSI. LOCAL PYRITE REPLACEMENT ALONG																															
R	0.00	43.30	SAND BEDS. OXIDIZED ALONG FRACTURE SLIPS.																															
/ L	43.30	101.10	57.80			ARSI			3A					0	3	1	3		P	2													8)
R	43.30	101.10	SLIGHTY TO MODERATELY DISTURBED ARSI. CORE TO BEDDING																															
R	43.30	101.10	ANGLES REMAIN RELATIVELY CONSTANT. BRHM IS DEVELOPED																															
R	43.30	101.10	LOCALLY. ABUNDANT PYRITE REPLACING SAND BEDS, ALONG FRACTURES																															
R	43.30	101.10	AND AS NODULES. GREEN CHLORITE OCCURS ALONG SOME FRACTURES.																															
/ SHR L	94.79	101.10	6.31		X	ARSI			3A					0	3	1	3		R	2													8)
R	94.79	101.10	SLIGHTLY TO MODERATELY SHEARED.																															
/ L	101.10	110.34	9.24			BRPM		SN2	5A					4	)		O	NP5 MK2	P				<*										D(
R	101.10	110.34	PYRITE OCCURS IN QUARTZ MICROVEINS AND IN MATRIX.																															
/ L	101.10	104.74	3.64		X	FAUL		GG8	3A					4	)		O	NP5 MK2	R				V+										D*
R	101.10	104.74	APPEARS TO BE IDENTICAL TO ENCLOSING PGI, BUT IS BADLY GOUGED.																															
/ SHR L	106.80	110.34	3.54		X	BRHT		SN2	5A					4	)		O	NP5 MK2	R				<*										D(
R	106.80	110.34	MODERATE SHEARING PERIPHERAL TO ABOVE FAULT.																															
/ L	110.34	120.52	10.18			BRHT		M;	5A					3	=		C	OS6 MK2	P				<*										D(
R	110.34	120.52	CRUDE GRADING IN MATRIX FROM PEBBLE SIZE AT THE BASE TO SAND																															
R	110.34	120.52	SIZE AT TOP. ALSO, UNIT GRADES FROM CLOSED-SUPPORTED AT BASE TO																															
R	110.34	120.52	OPEN-SUPPORTED AT TOP. CGCP FRAGS ARE CONCENTRATED IN BOTTOM 1																															
R	110.34	120.52	METER OF INTERVAL. LARGEST CGCP FRAG IS 0.5M.																															
/ L	120.52	123.50	2.98			CGCP		*C) B* F*	7A	K	N	4	O	5			O		P	6			<)					D*					C-
R	120.52	123.50	COMPRISES 2 BEDS OF APPROXIMATELY EQUAL THICKNESS, SEPARATED																															
R	120.52	123.50	BY A 20 CM ARGILLACEOUS ZONE CONTAINING CHERT PEBBLES.																															
/ L	123.50	125.30	1.80			CGPS		SN3	6A	I	L	2	N	6			O		P	6			<-					D*					
R	123.50	125.30	CRUDE REVERSE NORMAL GRADING BECOMES RELATIVELY COARSER																															
R	123.50	125.30	IN THE CENTER OF THE BED.																															
/ L	125.30	136.75	11.45			BRHT		SN+ B* F* *C*	4A	2	+		C					PR7 KM1	R				<.										R*

K E Y	F -L- G	FROM	TO	INT	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	QM1 QM2	TX TN	TX TX	F S	C C	% O	M O	ARG CHT	RI 1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		136.75	146.10	9.35			BRHT			SN1	F*	B*					QS7	P										D*				
L								4A		*C)			2	)		C	KN2								<-							
/	SHR	138.55	142.04	3.49		X	BRHT			GG2	F*	B*					QS7	R										D*				
L								4A		*C)			2	)		C	KN2								<-							
/		146.10	149.20	3.10			CGPS			*S.	F*	B*	I	M	3	O	NO=	P								R.		D-				
L								6A					4		.	O																
R		146.10	149.20	PYROBITUMEN NODULE AT 148.52M. NODULE IS VEINED AND REPLACED BY																													
R		146.10	149.20	QTZ-SIDERITE.																													
/		149.20	163.22	14.02			BRHT			*S)							QS8	P										R.				
L								4A					2	=	)	C	KM=								<-							
/	SHR	154.85	162.46	7.61		X	BRHT	CR		GG1							QS8	R										R.				
L								4A					2	=	)	C	KM=								<-							
/		163.22	164.75	1.53			CGPS						J	M	3	O		P							#=			D(				
L								6A					5			O																
/		164.75	179.52	14.77			BRHT			SN1							NP7	P										D-				
L								4A		*S+				=	+		JN1															
R		164.75	179.52	GRADES INTO A SANDY BRPM IN THE UPPER HALF.																													
/		179.52	225.60	46.08			ARGL					LM	//	0	3	=	3	P	2	BD		78					L-				
L								2A																									
R		179.52	225.60	BEDDING IS SLIGHTLY TO MODERATELY DISTURBED IN UPPER 4 METERS.																													
/		225.60	241.30	15.70			ARSI					LM	//	0	3	2	3	P	1	BD		62										
L								3A																									
/		241.30	246.80	5.50			CGBR			SN2	G;		J	L	6	P	OQ1	P							#-			D.				
L								7A		*S-			2		-	C																
R		241.30	266.09	THE INTERVAL HAS BEEN LOGGED AS 3 PGI'S, BUT FOR CORRELATION																													
R		241.30	266.09	PURPOSES SHOULD BE CONSIDERED AS A SINGLE UNIT DOMINATED BY SAND																													
R		241.30	266.09	AND PEBBLE-SIZED CHERT MATRIX.																													
/		246.80	256.52	9.72			BRHT										ST9	P										D.				
L								4A					1			C	KN1															
R		246.80	256.52	UNIT IS DOMINATED BY LARGE ARGL FRAGMENTS WHICH SHOW EVIDENCE																													
R		246.80	256.52	OF INTERNAL SLUMPING. CHERT IS A RELATIVELY MINOR COMPONENT.																													
/		256.52	263.00	6.48			CGPS			SN3	M;		J	M	5	O	OO+	P						V-		#-		D.				
L								7A					4			O																
R		256.52	263.00	CRUDE STRATIFICATION.																													
/		263.00	266.09	3.09			BRHT			SN2							OP4	P										D.				
L								5A		*S)			2	)	)	O	MN5								#)							
/		266.09	322.84	56.75			BRHM			*S.							NU9	P										D.				
L								3A		SN)					.		LN+															

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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- -- - - - -
Y  G                        R Q D  AGE EV PQ LC TM QM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA

/       322.84  335.20  12.36            BRHT       *C+ B* F*          NP4   P                                  D(
L                                    5A         R*    4      C NO4
/       335.20  339.60   4.40            CGSN       SN6 // FU I L 2 M       P  4 BD      U52 V-                D.
L                                    5A         TS    7
R       335.20  339.60      THE INTERVAL COMPRISES 3 PARTIAL BOUMA CYCLES FROM THE BASE TO
R       335.20  339.60      THE TOP AS FOLLOWS: 1) BE CYCLE, 2)AE CYCLE, 3) ABE CYCLE.
R       335.20  339.60      INDIVIDUAL CYCLES SHOW FINING UPWARDS TEXTURES, BUT THE THREE
R       335.20  339.60      CYCLES WHEN CONSIDERED AS A WHOLE, SHOW A CRUDE COARSENING
R       335.20  339.60      UPWARDS TENDENCY.
/       335.20  339.60   4.40          2 ARGL                 0 2 = 2       R
L                                    3A
/       339.60  357.86  18.26            BRHM GR    GG1                OS7   P                 <-                C-
L                                    3A                        LM)                  C-
R       339.60  357.86      FRAGMENTS OCCUR IN A BLACK CARBONACEOUS MUD MATRIX. CORE IS
R       339.60  357.86      RUBBLY AND FRACTURED WITH LOCAL FAULT GOUGE. GRAPHITE AND
R       339.60  357.86      LIGHT GREEN CHLORITE OCCUR ALONG FRACTURES.
/       357.86  374.95  17.09            BRHT GR    GG=                OU9   P                 <(                D(
L                                    4A         *S.       2   . C LO1
R       357.86  374.95      THE UPPER HALF OF THE INTERVAL IS RUBBLY AND FRACTURED, WITH
R       357.86  374.95      LOCAL FAULT GOUGE. GRAPHITE AND LIGHT GREEN CHLORITE ARE
R       357.86  374.95      DEVELOPED ALONG FRACTURES.
/ FRG   368.81  372.60   3.79          X ARSI                 0 3 1 3       R
L
K UOF   374.95  374.95   0.00
/       374.95  403.70  28.75            BRHT GR    *S=                PU7   P                 <(                D.
L                                    4A                   1 1 = C LO1                  C-
R       374.95  403.70      UNIT CONTAINS A HIGH PERCENTAGE OF CGCP AND SAND CLASTS.THE CORE
R       374.95  403.70      IS LOCALLY FRACTURED, WITH GRAPHITE AND LIGHT GREEN CHLORITE
R       374.95  403.70      DEVELOPED ALONG FRACTURES. THE INTERVAL CONTAINS SEVERAL VERY
R       374.95  403.70      LARGE ARGL FRAGMENTS (GREATER THAN 1 METER).
/ FRG   376.40  380.10   3.70          X ARSI                 0 3 = 3       R
L                                    3A
/ FRG   397.63  400.36   2.73          X CGCP       *C= F*    J M 6 O       R                 V(
L                                    7A         B*    5      O                                    #)
R       397.63  400.36      PROBABLE FRAGMENT WITHIN BRHT.
/       403.70  406.85   3.15            BRHM                       OS9   P                                  D.
L                                    3A                   1      C KM+
/       406.85  413.00   6.15            ARSI           LM // 0 3 1 3       P  2 BD       50                  D.
L                                    3A
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K E Y	F -L- G	F R O M	- T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM QM1 QM2	TX TX	TX TX	F S	C C	% O O	M O O	ARG CHT	RI 1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA OS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		413.00	434.25	21.25			BRHM		3A					.		C	SU9 KL*	P				<-						D.				
/		434.25	445.90	11.65			BRHT		5A	SN+ *S=		1	2	=	C	LN1	QQ3	P				<-		C-				D.				
R		434.25	445.90		LIGHT GREEN CHLORITE DEVELOPED ALONG FRACTURES. UNIT IS																													
R		434.25	445.90		CHARACTERIZED BY ABUNDANT CGCP CLASTS.																													
/	FRG	442.95	444.70	1.75		X	CGCP		7A	*C+ F* B*		I	L	4	O			R				<(		#*								
R		442.95	444.70		UNIT IS DISTINGUISHED BY WELL ROUNDED BLACK PEBBLES.																													
/		445.90	448.50	2.60			CGCP		7A			K	M	5	N			P						C-	<(			C-		Q.		
/		448.50	451.42	2.92			CGSN		7A	FU G;		3	L	3	N			P				<-	U	C-	V.							
R		448.50	451.42		SANDY CONGLOMERATE GRADING UPWARDS INTO SAND.																													
/		451.42	456.00	4.58			SAND		7A	*C- R*	MX	I	L	=	M			P						C-		<-		D.		R.		
/		456.00	480.33	24.33			BRHT		4A	SN= R* *C(B*		2		=	O	LN2	PT5	P				<-		C-				D-		R.		
/	FRG	473.80	479.00	5.20		X	ARSI		3A			0	3	1	3			R														
K	LDF	480.33	480.33	0.00																													
/		480.33	512.14	31.81			BRHM		3A						-		TU9 JN+	P				<-						D.				
/		512.14	522.60	10.46			BRPM		4A	SN+ *S(		1	(	*	O	KN=	QT7	P								R-		D.				
R		512.14	522.60		MUD MATRIX.																													
/		522.60	535.70	13.10			ARSI		3A		// LM	0	3	1	3			P	1	BD	25							D-				
/		535.70	553.33	17.63			CGCP		7A			K	M	6	O			P								#+		D-		B(		
R		535.70	553.33		GALENA IS NOTEABLE AS BLEBS AND MATRIX FILLING TOWARDS THE BASE																													
R		535.70	553.33		OF THE INTERVAL.																													
/		551.10	552.00	0.90		X	BRHT		4A	SN)							OP9 KN=	R				<-										
/		553.33	568.22	14.89			BRHM		4A	SN) *S+				)	+		PT9 KM+	P								V-		D-		B.		

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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- -- -- -- - - - -
Y  G                        R U D  AGE EV RO LC TM OM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SO QS HA PR MT SL HA

R       553.33  568.22       UNIT CONTAINS SEVERAL LARGE BLACK CARBONACEOUS ARGL CLASTS.
R       553.33  568.22       MINOR GALENA OCCURS AS BLEBS IN QUARTZ-CARBONATE VEINS.

/       568.22  572.47  4.25             ARS1 SF              0 3 2 3       P  2 BD      30 <*                 L(     <-
L                                          4A                                                                    <-
R       568.22  572.47       THE BOTTOM 1.5 METERS IS SILICIFIED. A LARGE QUARTZ VEIN WITH
R       568.22  572.47       COARSELY CRYSTALLINE VUGGY GALENA AND SPHALERITE OCCURS ALONG
R       568.22  572.47       THE CONTACT BETWEEN THIS UNIT AND THE UNDERLYING CGCP.

/       572.47  574.46  1.99             CGCP       SN1       K L 6 D       P                <*                 B+     B-
L                                          7A                   4     C                                           B.
R       572.47  574.46       GALENA OCCURS AS BRECCIA FILLING, REPLACING CHERT CLASTS, AND
R       572.47  574.46       AS BLEBS IN QUARTZ VEINS. THE CONTACT BETWEEN THE CGCP AND
R       572.47  574.46       UNDERLYING MSSX IS RUBBLY AND OBSCURED BY FAULTING. THE CONTACT
R       572.47  574.46       APPEARS TO PARALLEL CRUDE BANDING IN THE MSSX HOWEVER. THE
R       572.47  574.46       RELATIVELY LOW SULFIDE CONTENT AND ABSENCE OF OBVIOUS SULFIDE
R       572.47  574.46       FRAGMENTS IN CGCP MAY SUGGEST THAT THE CONTACT IS NOT EROSIONAL.

K  US1  574.46  574.46  0.00

/       574.46  575.60  1.14             MSSX SL GL CH1                P                B1     M4
L                                                  PY                                                            M4
R       574.46  575.60       CRUDELY BANDED GALENA AND SPHALERITE, WITH PYRITE BLEBS.

/       575.60  581.86  6.26             LBSX GL SL CH=                P
L                                                  BA
R       575.60  581.86       THE INTERVAL IS VERY BARITIC, RUBBLY AND FRIABLE. GALENA IS
R       575.60  581.86       CONCENTRATED LOCALLY.

/       581.86  583.22  1.36             LBSX       CH1 LM LC          P  1 BD      50          A) L7          L1
L                                             9       // VG                                                     L=
R       581.86  583.22       THE BARITIC INTERVAL IS RUBBLY, WITH SOLUTION FRACTURES (IE.
R       581.86  583.22       SMALL VUGS). YELLOWISH LAMINAE, POSSIBLY CONTAINING SPHALERITE,
R       581.86  583.22       ARE CHERTY. THIN LAMINAE OF GALENA OCCUR SINGLY OR IN GROUPS
R       581.86  583.22       BETWEEN THICKLY LAMINATED TO THIN BEDDED CHERT.

/       583.22  583.64  0.42             CHSX       CH8 LM LC          P  1 BD      45            L=           L=
L                                             A       //
R       583.22  583.64       VERY SIMILAR IN APPEARANCE TO PREVIOUS PGI, BUT CHERT DOMINATES.

/       583.64  585.47  1.83             LBSX       CH1 LM //          P  1 BD      50 V)         L3     L=     L2
L                                             YA                                                                 L1
R       583.64  585.47       LOCAL CHERT BEDS RANGE FROM 1 TO 3 CM. GALENA OCCURS IN THIN
R       583.64  585.47       LAMINAE, WHEREAS SPHALERITE (YELLOW TO LIGHT RED) IS IN THICK
R       583.64  585.47       LAMINAE WITH BARITE.

/       585.47  585.82  0.35             CHER       CH9 // SS          P  3 BD      50 V=         L)     L*     L*
L                                             A                                                                  L*
R       585.47  585.82       THERE ARE 2 CM. OF LAMINATED SULPHIDE/SULPHATE AT 585.60 METERS.

/       585.82  587.50  1.68             LBSX       CH4 //             P  1 BD      50          A* L3     L=     L1
L                                             YA       LC VG                                                     L=
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM GM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  -- - -- --- --- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM GM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA

R       585.82  587.50      THE CHERT INCREASES TOWARDS THE BOTTOM OF THE INTERVAL.
R       585.82  587.50      THE YELLOWISH COLOR OF THE CHERT SUGGESTS MINOR SPHALERITE.
R       585.82  587.50      CALCITE IS PRESENT IN TINY SOLUTION VUGS.

/       587.50  588.16  0.66            LBSX       CH) //                  P                       B1          L6
L                                        3A           VG                                                      L1
R       587.50  588.16      GALENA IS THIN TO THICKLY LAMINATED, EXHIBITING LOAD CAST TYPE
R       587.50  588.16      FEATURES. GALENA ALSO OCCURS AS SECONDARY VEINLETS IN THE
R       587.50  588.16      BARITE.

/       588.16  588.73  0.57            LBSX       CH2 LM //               P  1 BD      50         L2    L1    L2
L                                        RA           LC                                                      L2
R       588.16  588.73      RANGES FROM DISCRETELY INTERLAMINATED BA-SL-GL-CHERT TO LOCAL
R       588.16  588.73      CONCENTRATIONS OF LAMINATED SPHALERITE AND BARITE.

/       588.73  589.79  1.06            CHSX       CH9 FG                  P             <*          <*    Q*    B*
L                                            A                                                               D*
R       588.73  589.79      MINOR GALENA BLEBS. BA-PY OCCUR AS INTER-FRAGMENT FILLING.
R       588.73  589.79      THE REDDISH COLOR OF THE INTER-FRAGMENTAL CHERT SUGGESTS
R       588.73  589.79      DISSEMINATED CHERT.

/       589.79  591.31  1.52            LBSX       CH3 LM LC               P  1 BD      50         L2    L1    L1
L                                        RY                                                              L2
R       589.79  591.31      GALENA IS LOCALLY CONCENTRATED IN THE UPPER PART OF THE
R       589.79  591.31      INTERVAL, WHICH HAS A GREATER CHERT CONTENT THAN THE LOWER PART.
R       589.79  591.31      CHERT VARIES FROM GREY BEDDED TO YELLOW AND PINK LAMINATIONS.
R       589.79  591.31      THE LOWER INTERVAL CONTAINS MORE BARITE AND SPHALERITE.

/       591.31  592.86  1.55            CHER       CH9 LM                  P  1 BD      50 <)       B1    L+    6=
L                                            A                                                               L*
R       591.31  592.86      GALENA OCCURS AS MINOR LAMINATIONS AND DISSEMINATED CRYSTALS IN
R       591.31  592.86      CHERT. BARITE OCCURS AS LAMINATIONS AND/OR INJECTIONS ALONG
R       591.31  592.86      BEDDING.

/       592.36  592.86  0.50          X CHER       CH9 LM                  R  1 BD      50 >3       B1    L+    6=
L                                            A    GG2                        SH                              L*

K LS1   592.86  592.86  0.00

/       592.86  596.19  3.33            SILT SF    SN9 MX BR 1 3 1 6       P             V1          C+    R*
L                                            A                 8 +    JL*                  C* V(
R       592.86  596.19      LOCALLY MINOR MUD CONTENT. MINOR SIDERITE CRYSTALS IN QUARTZ
R       592.86  596.19      VEINS.  THE UNIT IS DISRUPTED LOCALLY WITH CHERT PEBBLES
R       592.86  596.19      OCCURING.  CHLORITE IS BRIGHT GREEN.

/       596.19  601.25  5.06            BRPM SF    SN1 R*    0 3 1 3 NQ4   P             <*          R+
L                                        8A GR *S3                LP+
R       596.19  601.25      THE INTERVAL HAS A MUDDY TO FINE SANDY MATRIX WHICH CONTAINS ALL
R       596.19  601.25      CHERT. ARGILLITE CLASTS ARE MUDDY SILT TO SILTY SAND. LOCALLY,
R       596.19  601.25      REPLACEMENT BY PYRITE IS EXTREME: 80% PYRITE FROM 598.70 TO
R       596.19  601.25      599.00 METERS.
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K E Y	F -L- G	FROM -	TO -	INT	RECOV RQD	MD % AGE	ROCK EV	TM RQ	TM LC	QM1 TM	TX QM2	TX TX	F S	C C	% O	M O	ARG CHT	RI 1 2	ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		601.25	607.60	6.35			BRHM	SF		*S3							NTX	P				<+				B*		<)				
L								A																								
R		601.25	607.60	UPPER 20 CM SEEMS TO BE IN SITU ARGILLITE WITH UPPER SAND LOADED																													
R		601.25	607.60	INTO IT. UNIT APPEARS AS SLIGHTLY SLUMPED: LARGE CLASTS HAVE																													
R		601.25	607.60	SMALL AMOUNTS OF MATRIX BETWEEN THEM. DEPOSITIONAL CONTACT AT																													
R		601.25	607.60	602.75 AND 606.45 METRES (BLEBY BARITE - BARITE ALSO AS																													
R		601.25	607.60	VEINLETS). SHORT DISTANCE OF TRANSPORT.																													
/		607.60	616.83	9.23			BRHM	SF		SN6	ST						ORX	P				<*				<*		R*		B=		
L								A																B(					#(		
R		607.60	616.83	CLASTS RANGE FROM ARGL TO ARSI/ARSN TO SANDY SILT. INTERVAL IS																													
R		607.60	616.83	MUCH MORE DISRUPTED THAN PREVIOUS PGI. DISRUPTION DECREASES																													
R		607.60	616.83	DOWNHOLE. CHLORITE IN QUARTZ VEINS. SPHALERITE ALSO AS TINY																													
R		607.60	616.83	BLEBS IN SILT.																													
/		614.00	615.71	1.71			X BRHM	SF		SN6	ST						ORX	R				>1				<*		R*		B=		
L								A																B(					#(		
/		615.71	616.83	1.12			X BRHM	SF		SN6	ST						ORX	R				<*				<*		R*		B=		
L								A																B(					#(		
/		616.83	618.06	1.23			SILT	SF		SI4	//	SS	0	2	4	3		P	2	BD	T50	V*					R*				
L								A		CH)				5						BD	B65			V(					B(		
R		616.83	618.06	MINOR CHERT ALONG BEDDING.																													
K	US2	618.06	618.06	0.00																													
/		618.06	622.28	4.22			COSX			CH9	//	BD						P	2	BD	T65	<)		R+			7)		6=		
L								A			LM	VG								BD	B80								L1		
R		618.06	622.28	ZONE OF SECONDARY ALTERATION: CHERT HAS SMALL (0.5 TO 1.0 MM)																													
R		618.06	622.28	VUGS SUGGESTING SOLUTION OF ALTERED CHERT. A WHITE, CLAY-LIKE																													
R		618.06	622.28	MINERAL IS PERVASIVE IN ALTERED CHERT. CHARACTERISTIC WHITE,																													
R		618.06	622.28	BLEBY QUARTZ IS ALSO ALTERED IN THIS MANNER. NOTE THAT THE																													
R		618.06	622.28	WHITE MINERAL RECORDED AS BARITE PREVIOUSLY IS VERY SIMILAR TO																													
R		618.06	622.28	THIS MINERAL. SPHALERITE AS LAMINATIONS AND SCATTERED CRYSTALS.																													
R		618.06	622.28	GALENA APPEARS TO BE LAMINATED AND REPLACEMENT WITH PYRITE;																													
R		618.06	622.28	RELIC LAMINATIONS(?) OF SPHALERITE, CHERT SEEN IN GL-PY PATCHES																													
R		618.06	622.28	(619.08 METRES). PYRITE AS LAMINATIONS, REPLACEMENT, AND																													
R		618.06	622.28	DISSEMINATED CRYSTALS.																													
/		622.28	624.56	2.28			CHSX			CH8	//	BD						P	2	BD	T80	>+				L)		6+	7*			
L								A			LM	VG								BD	B90								L)		
R		622.28	624.56	INTERVAL VERY SIMILAR TO COSX, BUT HAS MINOR BARITE. GALENA AS																													
R		622.28	624.56	SMALL BLEBS, AND RARE LAMINATIONS. PYRITE DISSEMINATION/																													
R		622.28	624.56	REPLACEMENT AND MINOR LAMINATIONS. INTERVAL APPARENTLY																													
R		622.28	624.56	UNDERWENT LESS PRIMARY ALTERATION SO ORIGINAL NATURE SHOWS:																													
R		622.28	624.56	SANDY SILT.																													
/		624.56	625.90	1.34			COSX			CH9	//	BD						P	2	BD	90	V)					81		D)		
L								A			LM	VG																	L+		

KEY	F-L-G	FROM-.--	TO-.--	INT-.--	RECOV-.-- / RQD	MD % AGE	ROCK EV	TM RQ	TM LC	TM QM1 QM2	TX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		625.90	627.42	1.52			CQSX			CH9	// BD						P	2	BD		90	V)					7=		D)			
L									A		LM VG																		L+			
/		627.42	632.40	4.98			CQSX			CH9	// BD						P	2	BD		90	V)					7+		D*			
L									A		LM VG										B85								L)			
/		632.40	633.10	0.70			CQSX			CH9	// BD						P	2	BD		90	V)					8=		D)			
L									A		LM VG																		L+			
/		633.10	634.66	1.56			LBSX				// BD						P	2	BD		90				L8		8)		7)			
L									A		LM VG																		L+			
R		633.10	634.66	INTERVAL LOOKS IDENTICAL TO CQSX, BUT IS VERY SOFT. BARITE IS																													
R		633.10	634.66	EXTREMELY FINE GRAINED, AND SCRATCHING PRODUCES A FINE, WHITE																													
R		633.10	634.66	POWDER SIMILAR TO THE ALTERED CHERT/QUARTZ IN CQSX INTERVALS.																													
/		634.66	635.56	0.90			CQSX			CH9	// BD						P	2	BD	T90	<*						6+		D*			
L									A		LM VG								BD	B70									L)			
/		635.56	638.33	2.77			CQSX			CH9	// BD						P	2	BD		70	>+					8=		6+			
L									W		LM FG																		6+			
R		635.56	638.33	LIGHTER COLOUR, LOCALLY DISRUPTED. LOCAL PYRITE BEDS (1 TO																													
R		635.56	638.33	2 CM). SPHALERITE AS LAMINATED, FRACTURE COATINGS. GALENA WITH																													
R		635.56	638.33	PYRITE AS PATCHES, BLEBS AND VEINLETS.																													
/		638.33	639.50	1.17			CQSX			CH9	// BD						P	2	BD		70	>+					8=		6=			
L									W		LM FG																		6=			
R		638.33	639.50	BEDDING IS MORE DISRUPTED THAN PREVIOUS INTERVAL.																													
/		639.50	647.09	7.59			CQSX			CH9	// BD						P	2	BD	T90	>+						6+		D*			
L									A		LM SS								BD	B70									L)			
R		639.50	647.09	SECONDARY ALTERATION DECREASES DOWNHOLE. VUGGINESS OF CHERT																													
R		639.50	647.09	ABSENT.																													
/		643.08	644.06	0.98		X	CQSX			CH9	// BD						R	2	BD	T90	>+						61		D+			
L									A		LM VG								BD	B70									L+			
/		647.09	650.14	3.05			CHER				// BD						P	2	BD	T80	V+						L*					
L									A		LM								BD	B85												
R		647.09	650.14	BARREN OF SULPHIDES. COLOUR DARKENS DOWNHOLE AS UNIT CHANGES																													
R		647.09	650.14	FROM CHERT REPLACED SILT TO SILICIFIED SILT/ARSI. CORE TO																													
R		647.09	650.14	BEDDING ANGLE CHANGES FAIRLY REGULARLY. LOCAL VUGGY CHERT.																													
R		647.09	650.14	LOWER CONTACT OF SOUTH ZONE TWO IS GRADATIONAL, AND WAS																													
R		647.09	650.14	CHOSEN BY COLOUR IE: ALTERATION.																													
X	LS2	650.14	650.14	0.00																													
/		650.14	653.45	3.31			ARSI	SF		SI3	// BD						P	2	BD	T70	<)			<)			6)					
L									3A		LM								BD	B80		<*										
R		650.14	653.45	HIGHLY SULPHITIC. LOCALLY DISRUPTED BEDDING. WHITE VEINLET/																													
R		650.14	653.45	AND SILLS. COATING MAY BE BARITIC. UNIT IS INTERBEDDED ARGL																													

K E Y	F -L- G	FROM -	TO -	INT	RECOV RQD	MD AGE	% EV	ROCK RQ	TM LC	TM TM	QM1 QM2	TX TX	TX TX	F S	C C	% O	M U	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		650.14	653.45			AND SILT.																												
/		653.45	662.03	8.58				ARSI	SF 1A		SI2 LM	//	BD						P	2	BD	80				<* <)		6)		B(B(			
R		653.45	662.03			QUARTZ +/- PYRITE CROSS-CUTTING VEINLETS AND SILLS. PYRITE																													
R		653.45	662.03			LAMINATIONS OR IN VEINLETS. UNIT IS LOCALLY DISRUPTED.																													
R		653.45	662.03			OCCASIONAL GALENA BLEBS IN QUARTZ/SIDERITE VEINLETS.																													
/		655.00	656.00	1.00			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	90				<* <)		6)		B(B(			
/		662.03	699.21	37.18				ARSI	00 1A		SI1 LM	//	BD						P	2	BD	70			C*	<)	00	6)		B(B(			
R		662.03	699.21			INTERVAL INTERMITANTLY SILICIFIED.																													
/		663.00	664.00	1.00			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	75				<* <)		6)		B(B(			
/		670.00	671.50	1.50			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	60				<* <)		6)		B(B(			
/		671.50	673.25	1.75			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	65				<* <)		6)		B(B(			
/		674.50	678.08	3.58			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	70				<* <)		6)		B(B(			
/		678.08	681.53	3.45			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	80				<* <)		6)		B(B(			
/		681.53	682.40	0.87			X	SILT	2A		SI6 SN1 LM		LC 0 2 3 6 SS 5						R	2	BD	80	<*					B*		B(			
R		681.53	682.40			INTERVAL IS MUDDY TO SANDY SILT.																													
/		684.00	684.01	0.01			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	80				<* <)		6)		B(B(			
R		684.00	684.01			ARGILLACEOUS INTERVALS BECOMING DARKER, POSSIBLY MORE																													
R		684.00	684.01			CARBONACEOUS.																													
/		686.60	691.38	4.78			X	BRHM 1A			SI1			PRX					R							<*		<*		B(B*			
R		686.60	691.38			THIS INTERVAL IS IDENTICAL TO PGI BUT HIGHLY DISRUPTED.																													
/		694.40	695.00	0.60			X	ARSI	SF 1A		SI2 LM	//	BD						R	2	BD	80				<* <)	1	V+		B(B(			
/		699.21	701.45	2.24				ARSI 1A			SI1 LM SS								P	2	BD	70				<*		R*		B(<)			
R		699.21	701.45			SPHALERITE MORE COMMON AS VEINLETS WITH AND WITHOUT QUARTZ/																													
R		699.21	701.45			SIDERITE/PYRITE.																													
/		700.84	701.45	0.61			X	ARSI 1A			SI2 LM SN1		SS						R	2	BD	90				<*		R*		B(<)			

```
K  F  F R O M - T O -  I N T  RECOV  MD % ROCK TM TM QM1 TX TX F C % M ARG   RI 1 ID AZM DIP Q7 FL CY CA BA XX PY CP GL YY  A I A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----  -- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA

K US3  701.45  701.45   0.00

/      701.45  713.54  12.09              SFFE       CH9 // BD                P  2 BD     T60 <*                 L*     <*
L                                        3A                                    BD     B70         <*          L=     L)
R      701.45  713.54      SPHALERITE ALSO AS DISSEMINATED CRYSTALS IN PLACES.  UNALTERED
R      701.45  713.54      ROCK WAS ARSI.  GALENA ALSO IN PATCHES.

/      713.54  717.19   3.65              SFFE       CH9 // BD          N08   P  2 00     T00 <*                 #* B.  #*
L                                        3A         FG                         BD     B60         [redacted]  #2     #(
R      713.54  717.19      UPPER PART OF INTERVAL TOO FRAGMENTED TO MEASURE CORE TO BEDDING
R      713.54  717.19      ANGLE.

/      717.19  728.17  10.98              SFFE       CH9 // BD                P  2 BD     T65 <*                 L=     B*
L                                        3A                                    BD     B70         <*          00     B)
R      717.19  728.17      SPHALERITE AS LAMINATIONS AND VEINLETS +/- QUARTZ.

/      728.17  731.60   3.43              SFFE       CH9 // BD          NR8   P  2 BD     T60 <*                 #2     #*
L                                        3A         FG                         BD     B70         <*          L=     #=
R      728.17  731.60      EXTREME DISRUPTION.  SPHALERITE CLASTS RIMMED BY WHITE CHERT OR
R      728.17  731.60      QUARTZ.

/      731.60  739.12   7.52              SFFE       CH9 // BD                P  2 BD     T60 <*                 V1     B-
L                                        3A         SS                         BD     B70         <* >*       L=     L+
R      731.60  739.12      SEDIMENT DEFORMATION INCREASES DOWNHOLE. GALENA ALSO AS VEINLETS
R      731.60  739.12      +/- QUARTZ AND SIDERITE.  SPHALERITE OFTEN ASSOCIATED WITH WHITE
R      731.60  739.12      CHERT/QUARTZ.

/      739.12  742.45   3.33              SFFE       CH9 // BD                P  2 BD     T60 <*                 #+     TH
L                                        4A         FG VG                      BD     B70         <*          #2     V+
R      739.12  742.45      LOWER PART OF INTERVAL HAS YELLOWISH CHERT WITH SPHALERITE BLEBS
R      739.12  742.45      THROUGHOUT, POSSIBLY AS CAVITY FILLING.

/      742.45  746.20   3.75              CBSX       FOS CT                   P                                      D* B.  D)
L                              KDR        YA SF                                                          R1 V)          D)
R      742.45  746.20      THIS INTERVAL CONTAINS A VARIETY OF FRAGMENT TYPES IN A FINE
R      742.45  746.20      GRAINED CARBONATE (SIDERITE?) RICH MATRIX.  OF PARTICULAR NOTE
R      742.45  746.20      ARE FRAGMENTS OF COARSELY CRYSTALLINE SIDERITE CONTAINING
R      742.45  746.20      ANGULAR SHALE REMNANTS (SEE DIAGRAM BELOW):
R      742.45  746.20      *
R      742.45  746.20      THE TEXTURES AND COARSELY CRYSTALLINE NATURE OF CARBONATE IN
R      742.45  746.20      THESE FRAGMENTS IS CONSISTENT WITH VEIN MATERIAL WHICH HAS BEEN
R      742.45  746.20      RE-WORKED EITHER BY FLUIDIZATION OR BY LUMPING OF SOFT SEDIMENT
R      742.45  746.20      (SEE RSUM).  BOTH MECHANISMS ACCOUNT FOR THE PREDOMINANTLY
R      742.45  746.20      ROUNDED NATURE OF THE FRAGMENTS.
R      742.45  746.20           ALSO PRESENT IN THIS INTERVAL ARE A NUMBER OF NERULOUS
R      742.45  746.20      FOSSIL FRAGMENTS, INCLUDING 2 HOLED CRINOIDS (EG. 745.55 AND
R      742.45  746.20      745.75 METRES), AND POSSIBLY CORALS.  SOME OF THESE FOSSILS ARE
R      742.45  746.20      PARTIALLY REPLACED BY GALENA.  THE INDISTINCT NATURE OF THE
R      742.45  746.20      FOSSILS IS APPARENTLY DUE TO CARBONIZATION IN THIS INTERVAL.

K LS3  746.20  746.20   0.00
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KEY	F -L- G	FROM ----.--	TO ----.--	INT ---.--	RECOV --- R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM TM	QM1 QM2	TX TX	TX TX	F S	C C	% O O	M CHT	ARG	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA OS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		746.20	747.37	1.17			ARGL	CR		SI+		BR	//	0	1		2		P					<3					<*		B(			
L						RDR		N				SS															<=				B*			
R		746.20	747.37		VERY CARBONACEOUS: MODERATE SEDIMENT DEFORMATION. PYRITE IN																														
R		746.20	747.37		QUARTZ, QUARTZ/SIDERITE VEINING.																														
/		747.37	758.34	10.97			BRHM	CR		SI+								NS9	P					<3						B.	B(			
L						RDR		N																			<=				B*			
/		752.90	753.40	0.50			X SILT			SI9									R					<4										
L								3A	SF																		<*							
/		754.43	754.70	0.27			X VEIN												R					>9										
L								W																							B.			
/		754.70	758.34	3.64			X BRHM	CR		SI+								NS9	R					V)						B.	B(			
L						RDR		N																			<=				B*			

G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

ABERFORD RESOURCES LTD.
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6802

DRILLHOLE/TRAVERSE :	82-DH088	COLLAR ELEVATION:	1189.68	AZIMUTH(DEG) :	37.00	GEOLOGGED BY :	PCH +
TOTAL DEPTH/LENGTH :	467.26	NORTHING(- IF S):	7002029.84	VERTICAL ANGLE :	-65.00	DATE (YY/MM/DD):	821010
CORE/HOLE DIAMETER :	NQ	EASTING (- IF W):	436454.07	CO-ORD SYSTEM :	UTM	PROJECT NUMBER :	J-S

			SEQ. NO OF SURVEY DATA	FLAGS	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)
R SVY	0.00	467.26	PLOTTING FILE				
R SVY	0.00	467.26	THIS FILE CONTAINS THE FOLLOWING DATA:				
R SVY	0.00	467.26	1) SINGLE-SHOT DATA FROM 0.0 TO 443.48 M.				
R SVY	0.00	467.26	2) MULTI-SHOT DATA FROM 221.89 TO 465.63 M.				
			1	201	45.72	39.00	-64.00
			2	202	62.79	38.00	-64.25
			3	204	80.16	38.00	-64.25
			4	205	92.66	35.00	-64.25
			5	207	118.57	38.50	-62.75
			6	208	135.94	41.50	-61.00
			7	209	151.79	42.00	-60.50
			8	210	168.86	38.75	-58.25
			9	211	184.71	38.50	-58.00
			10	212	201.17	38.00	-56.00
			11	213	206.65	40.00	-55.50
			12	214	219.46	39.00	-53.50
			13	401	221.89	40.00	-53.75
			14	402	234.09	40.00	-51.50
			15	403	246.28	41.50	-49.00
			16	404	258.47	41.00	-45.50
			17	218	262.74	40.00	-45.00
			18	405	270.66	41.00	-44.00
			19	219	277.97	41.00	-44.00
			20	406	282.85	40.50	-43.50
			21	407	295.05	40.50	-43.00
			22	220	297.48	41.50	-43.00
			23	408	307.24	40.50	-42.75
			24	409	319.43	40.00	-42.50
			25	410	331.62	39.00	-42.00
			26	411	343.81	39.00	-42.00
			27	223	347.78	38.75	-42.00
			28	412	356.01	38.00	-42.00
			29	415	392.58	39.50	-39.50
			30	416	404.77	39.00	-39.00
			31	225	416.05	41.00	-39.00
			32	226	443.48	40.00	-38.00
			33	420	453.54	41.50	-37.00
			34	421	465.73	41.00	-35.50
			35	801	467.26	41.00	-35.50
R SVY	0.00	443.48	STORAGE DATA: SINGLE-SHOT				

KEY	FROM	TO	INT	CORE RECOV-ERY (%)	ROCK QUAL DESTG	FM AGE	ROCK TYPE	TYPI-FYING TM 1	TM 2	MIN MAT QM1	TEX-TURES TX 1	TX 2	GRAIN CHARACS F	C	%	M	ARG	PGI /RI	STRUCTUR-1 T	ID	STK	DIP	ALTERATION MINS H A FL	H A CY	H A CA	H A BA	H A XX	ANY MIN	ORE-TYPE MINS H A PY	H A CP	H A GL	ANY MIN YY	SUMMARY ALT A	ORE A
/	0.00	19.00	19.00				OVER											P																	
L																																		
/	19.00	23.10	4.10				SHER											P																	
L																																		
R	19.00	23.10	CORE IS MISSING FOR THIS INTERVAL, HOWEVER GAMMA LOG SIGNATURE																																
R	19.00	23.10	INDICATES A HIGHLY SHEARED POROUS ZONE.																																
/	23.10	26.12	3.02				SILT CB GR FOS LM				1	2	2	3				P	1																
L								4A																											
R	23.10	26.12	THIS UNIT IS DISTINGUISHED BY THE OCCURRENCE OF MICROFOSSILS																																
R	23.10	26.12	INCLUDING TENTACULITES.																																
/	26.12	27.62	1.50				FAUL		GG8									P																	
L																																		
R	26.12	27.62	DISTINCTIVE HIGH GAMMA LOG PEAK.																																
/	27.62	40.84	13.22				SILT CB				LM							P	0	BD		85													
L								6A																											
R	27.62	40.84	THIS UNIT IS CHARACTERIZED AS AN ARGILLACEOUS SILTSTONE,																																
R	27.62	40.84	BLOCKY FRACTURE (SPLITTING). IN OUTCROP THIS UNIT IS THE ORANGE/																																
R	27.62	40.84	BUFF WEATHERING MUDSTONE/SILTSTONE FACIES (UPPER ROAD RIVER).																																
/	40.84	48.16	7.32				SILT CB		GG6		LM		1	1	1	1		P	0	BD		90													
L								2A																											
R	40.84	48.16	STRONG FISSILITY ALONG BEDDING CLEAVAGE - BADLY BROKEN, POROUS																																
R	40.84	48.16	ZONE.																																
/	48.16	58.52	10.36				SILT CB		GG1		LM							P	0	BD		75												N)	
L								2A																											
R	48.16	58.52	THIS ZONE IS WEAKLY CALCAREOUS WITH MINOR BLEACHING, SOME SHEARS																																
R	48.16	58.52	WITH GOUGE MATERIAL FROM 57.30 TO 58.52 METRES. STRONGLY																																
R	48.16	58.52	LEACHED INDICATED BY PITTED TEXTURE, VERY POROUS LOW GAMMA																																
R	48.16	58.52	RESPONSE - 60 CPS.																																
/	58.52	89.88	31.36				SILT CB		GG+									P	0	BD		65												N)	
L								5A																											
R	58.52	89.88	STRONGLY CALCARIOUS SECTIONS CORRESPOND TO BLEACHED ZONES.																																
R	58.52	89.88	SLIGHTLY POROUS - HIGHER GAMMA RESPONSE AVERAGING 90 CPS.																																
/	89.88	106.07	16.19				DYKE				EQ							P															I*		U*
L								FL	7G																										
R	89.88	106.07	FELSITE DYKE.																																
/	91.92	92.62	0.70			X	ARGL SF				BR	LM	0	0	0	0		R	1	BD					V+									
L								4A																											

K E Y	F -L- G	F R O M -	T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	TM QM1 QM2	TX TX	TX S	F C	% C	M D	ARG CHT	RI 2	1 ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		102.00	103.40	1.40			X	ARGL	SF 4A		BR	LM	0	0	0	0	R	1 BD			>1										
L																															
R		102.00	103.40	BRECCIATED WALL ROCK INCORPORATED BY DYKE. LITHOTYPE SIMILAR TO																											
R		102.00	103.40	THE FOLLOWING UNIT.																											
/		106.07	230.53	124.46				ARGL	GR 3A		SIF	LM	ST	1	1	1	P	1 BD			<)					S*					
L																															
R		106.07	230.53	THIS THICK UNIT IS TYPIFIED AS A SILICEOUS BLACK ARGILLITE,																											
R		106.07	230.53	STRONGLY GRAPHITIC ALONG FRACTURE CLEAVAGE SURFACES. QUARTZ																											
R		106.07	230.53	MICRO-VEINLETS FORM ALONG STYLOLITES CONFORMING TO PARTING																											
R		106.07	230.53	SURFACES. SELVAGES OF PYRITE OCCUR WITH STYOLITES.																											
/		111.25	111.25	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		75	<)					S*					
L																															
/		119.60	121.62	2.02			X	DYKE FL 7G			EQ						R				I*					V*					
L																															
R		119.60	121.62	FELSITE DYKE.																											
/		127.10	127.10	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		50	<)					S*					
L																															
/		133.50	133.50	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		50	<)					S*					
L																															
/		143.56	143.56	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		55	<)					S*					
L																															
/		149.66	149.66	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		70	<)					S*					
L																															
/		164.30	166.30	2.00			X	SHER	GR		GG5						R				V1										
L																															
/		167.03	168.86	1.83			X	SHER	GR		GG1						R				<+										
L																															
R		167.03	168.86	POOR RECOVERY. STRONG GAMMA RESPONSE - 100 CPS.																											
/		176.78	176.78	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		70	<)					S*					
L																															
/		186.23	186.23	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		55	<)					S*					
L																															
/		189.43	230.53	41.10			X	ARGL	GR 3A								R				V1										
L																															
R		189.43	230.53	THIS INTERVAL IS CHARACTERIZED BY INTENSE QUARTZ CRACKLE VEINING																											
R		189.43	230.53	PRODUCING A CHOPPY GAMMA SIGNATURE. HOWEVER THE AVERAGE																											
R		189.43	230.53	BACKGROUND OF 50 TO 60 CPS IS CONSISTENT WITH THE OVERALL PGI.																											
/		207.72	207.72	0.00			X	ARGL	GR 3A		SIF	LM	ST	1	1	1	R	1 BD		50	<)					S*					
L																															

KEY	F-L-G	FROM--	TO--	INT---	RECOV RQD---	MD % AGE	ROCK EV	TM RQ	TM LC	TM DM1 DM2	TX TX	TX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		217.93	217.93	0.00			X	ARGL	GR 3A	SIF	LM	ST	1	1	1	1		R	1	BD		40	<)						S*				
L																																		
/		230.53	234.09	3.56				FAUL		GG5								P																
L																																		
R		230.53	234.09		POOR RECOVERY.																													
/		234.09	283.16	49.07				ARGL	4A		LM		0	0	X	0		P	0										D)				
L																																		
R		234.09	283.16		THIS INTERVAL IS VERY DISTINCTIVE WITH VERY THIN LAMINATIONS																													
R		234.09	283.16		SHOWING LOCAL COMPOSITIONAL BLEACHING. UNIT IS NON-SILICEOUS																													
R		234.09	283.16		AND NON-CALCAREOUS. THE GAMMA RESPONSE IS HIGHEST OF ALL																													
R		234.09	283.16		LITHOLOGIES IN THIS HOLE, HOWEVER. GAMMA LOWS AVERAGED 100																													
R		234.09	283.16		CPS. THE FABRIC AND COMPOSITION OF THIS UNIT MAY REPRESENT A																													
R		234.09	283.16		CONFORMABLE TRANSITIONAL FACIES BETWEEN ROAD RIVER SILICEOUS																													
R		234.09	283.16		SHALES AND LOWER EARN GROUP FINE CLASTIC FACIES. DISSEMINATED																													
R		234.09	283.16		PYRITE IS NOTABLE, OFTEN FOUND ON BEDDING OR PARTING SURFACES.																													
/		242.62	242.62	0.00			X	ARGL	4A		LM		0	0	X	0		R	0	BD		65							D)				
L																																		
/		252.68	252.68	0.00			X	ARGL	4A		LM		0	0	X	0		R	0	BD		60							D)				
L																																		
/		261.82	261.82	0.00			X	ARGL	4A		LM		0	0	X	0		R	0	BD		60							D)				
L																																		
/		272.19	272.19	0.00			X	ARGL	4A		LM		0	0	X	0		R	0	BD		65							D)				
L																																		
/		280.42	280.42	0.00			X	ARGL	4A		LM		0	0	X	0		R	0	BD		70							D)				
L																																		
/		283.16	285.60	2.44				SAND	8A		//	LM	3	3	X	3		P	6	BD		70											
L														8		C																		
/		285.60	289.60	4.00				ARGL	4A	SN+	LM		0	0	X	0		P	0	BD		67											
L																																		
R		285.60	289.60		SIMILAR LITHOLOGY AS PRECEDING ARGILLITE SEQUENCE. CONTAINS ONE																													
R		285.60	289.60		SANDSTONE INTERBED 0.2 METRES THICK.																													
/		289.60	291.44	1.84				SAND	8A		//	RU	2	3	9	5		P	6	BD		67											
L														8		C																		
/		291.44	293.83	2.39				ARGL	4A	SN)	LM		0	0	X	0		P																
L																																		
R		291.44	293.83		MINOR SANDSTONE INTERBEDS 5 CM THICK.																													
/		293.83	295.45	1.62				SAND	8A		MX	RU	3	4	5	5		P	6	BD														
L														8		C																		

K E Y	F -L- G	F R O M -	T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	IM RQ	TM LC	QM1 TM	TX QM2	TX TX	F S	C C	% O O	M O O	ARG CHT	RI 1 2	ID TD	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA OS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		295.45	299.92	4.47			ARGL			BR							P										B)					
L								4A																								
R		295.45	299.92		LOCALLY BRECCIATED PYRITE FILLING CRACKLE FRACTURES.																												
/		299.92	306.63	6.71			SAND			MX	RU	2	3	8	6		P	7	BD													
L								7A				7		C																		
R		299.92	306.63		UPPER 0.5 METRES OF INTERVAL FINES TO ARGILLACEOUS SILT.																												
/		302.70	304.35	1.65		X	DYKE			EQ							R						I*				U*					
L								FL	7G																							
/		306.63	310.99	4.36			SAND			MX	RU	3	4	8	6		P	6	BD													
L								7A				8		C																		
R		306.63	310.99		TWO SANDSTONE BEDS SEPARATED BY THIN ARGILLITE INTERBED.																												
/		310.99	315.47	4.48			CGBR			M;							MO4	P		D												
L								5A				6		C	MN4																	
R		310.99	315.47		ARGILLITE RICH AT BASE OF FLOW. CHERT CONTENT INCREASES																												
R		310.99	315.47		DOWNHOLE. DEGREE OF SORTING INCREASES TOWARDS BOTTOM OF																												
R		310.99	315.47		INTERVAL.																												
/		315.47	319.80	4.33			CGBR		*S)							NO4	P															
L								5A				4	)	C	MO3																	
R		315.47	319.80		POORLY SORTED. SLIGHT INCREASE IN CHERT AT BOTTOM OF INTERVAL.																												
/		319.80	324.10	4.30			CGBR			M;	TS					NO2	P		D													
L								5A				7		C	MO4																	
R		319.80	324.10		LOWER PART OF INTERVAL CONTAINS > 75 % CHERT (CGSP). WELL																												
R		319.80	324.10		DEFINED LOG CHARACTER SHOWS INCREASING ARGILLITE CONTENT TOWARDS																												
R		319.80	324.10		TOP OF INTERVAL. NOTE: LOG CHARACTER CLEARLY SHOWS 3 DISCRETE																												
R		319.80	324.10		CHERTING UPWARD FLOW EVENTS (TOPS DOWNHOLE) FORM 310.99 TO																												
R		319.80	324.10		324.10 METRES.																												
/		324.10	326.14	2.04			ARGL	CR	GR	SI3		0	2	3	3		P						<*				D)					
L								2A		PY)																						
R		324.10	326.14		BADLY BROKEN CORE. GRAPHITIC FRACTURE SURFACES.																												
/		326.14	327.36	1.22			CGCP	GR				6	7	6	7		P										D*					
L												6		C																		
K	US2	327.36	327.36	0.00																												
/		327.36	338.90	11.54			ARGL	SF		LM	ST	0	0	X	0		P	0					<)				<)					
L								6A		BR	VG																		<*			
R		327.36	338.90		LOG CHARACTER SHOWS INTENSE SILICIFICATION. POSSIBLY																												
R		327.36	338.90		CORRELATIVE WITH SOUTH ZONE TWO. BLEACHED, VUGGY TEXTURE IS																												
R		327.36	338.90		DISTINCTIVE.																												
K	US2	338.90	338.90	0.00																												
/	SIG	338.90	341.10	2.20			BRPM	SD	SF	*S3						LO4	P															
L								5A		SN1				1																		

K E Y	F -L- G	FROM -	TO -	INT	RECOV RQD	MD % AGE	ROCK EV	TM RQ	TM LC	UM1 TM	TX UM2	TX TX	F S	C C	% O	M O	ARG CHT	RI 2	1 ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		340.90	341.10				THE UNIT ID DIAGNOSTIC FOR THE FOLLOWING REASONS:																										
R		340.90	341.10				1) PRESENCE OF SUBROUNDED, ROUNDED TO RECTILINEAR SHAPED																										
R		340.90	341.10				SIDERITIC CLASTS WITH INCLUSIONS OF ANGULAR ARGILLITE GRIT																										
R		340.90	341.10				SIZED FRAGMENTS.																										
R		340.90	341.10				2) ABSENCE OF CLASTS.																										
R		340.90	341.10				*CORRELATION: THIS UNIT BEARS A GREAT RESEMBLANCE TO A SIMILAR																										
R		340.90	341.10				FACIES ENCOUNTERED IN 82-DH087.																										
R		340.90	341.10				*INTERPRETATION: THE MULTI-SHAPED SIDERITIC CLASTS APPEAR TO BE																										
R		340.90	341.10				DERIVED LOCALLY FROM A REWORKING OR BRECCIATION																										
R		340.90	341.10				OF A SIDERITE VEIN SYSTEM. THE BRECCIATION MAY																										
R		340.90	341.10				RESULT FROM SYNTECTONIC FAULTING DURING OR																										
R		340.90	341.10				PRECEDING LITHIFICATION OF THE HOST UNIT AND																										
R		340.90	341.10				PRECEDING THE VEIN EMPLACEMENT. STATIGRAPHIC																										
R		340.90	341.10				CORRELATIONS INDICATE THAT THE SENSE OF EARLY																										
R		340.90	341.10				FAULT MOVEMENT IS SUBPARALLEL TO BEDDING AND																										
R		340.90	341.10				SPATIALLY LOCATED SUBADJACENT TO THE ORE ZONE																										
R		340.90	341.10				STRATIGRAPHY OF SOUTH ZONE ONE.																										
/		341.10	342.70	1.60				BRPM	PY		SN1						NO4	P										#1	#+			
L									4A					+			KN1												#*			
R		341.10	342.70				THIS UNIT HAS A CRUDE BEDDING FABRIC DEVELOPED IN A MUD RICH																										
R		341.10	342.70				MATRIX. PYRITE, SPHALERITE AND GALENA OCCUR PERVASIVELY WITH																										
R		341.10	342.70				THE SILTY MUD MATRIX.																										
/		342.70	344.10	1.40				CGCP							K	M	4	N	P									R*	R*			
L									6A						7		C												R*			
/		344.10	344.90	0.80				BRHM	PY								NO8	P				<)						#1				
L									4A		*S=				5		C	KM+												#+		
R		344.10	344.90				MINERALIZATION IS LOCALLY PERVASIVE, OCCURING AS CLUSTERS AND																										
R		344.10	344.90				BRECCIA MATRIX FILLING.																										
/		344.90	346.40	1.50				SAND				MX	FU	H	K	1	N	P				>+						D1				
L									5A						3		C													D+		
R		344.90	346.40				TWO MINOR PEBBLY INTERVALS ARE CRUDLY ZONED, POSSIBLY DEFINING																										
R		344.90	346.40				BASES OF TWO SAND UNITS. MINERALIZATION PERVASIVE IN FINE SAND																										
R		344.90	346.40				ZONES.																										
K	LS1	346.40	346.40	0.00																													
/		346.40	348.10	1.70				ARGL	SF			BR	KR					P				>*								#+		
L									6A																			#*	#=			
R		346.40	348.10				THIS UNIT CONTAINS MINOR INTERBEDS OF PEBBLY SAND 5 CM THICK.																										
R		346.40	348.10				THE WHOLE INTERVAL IS SILICIFIED AND INTENSE CRACKLING HAS																										
R		346.40	348.10				LOCALIZED PERVASIVE SULPHIDE INTERCLAST FILLING PRODUCING A																										
R		346.40	348.10				MOSAIC BRECCIA FABRIC.																										
/		348.10	349.20	1.10				ARGL	SF			BR	KR					P				>5						P1		P+		
L									7A																				P+		
R		348.10	349.20				SIMILIAR FABRIC AND COMPOSITION AS ABOVE UNIT. MACRO-QUARTZ																										
R		348.10	349.20				VEINS DOMINATE THIS INTERVAL; 2 VEINS, EACH 0.3 METRES THICK.																										

KEY	F -L- G	FROM -	TO -	INT	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	OM1 TM	TX OM2	TX TX	F S	C C	% O	M O	ARG CHT	RI 1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		348.10	349.20		VEINS ARE WEAKLY MINERALIZED AND CONTAIN SOME VEIN WALL																											
R		348.10	349.20		MATERIAL.																											
/		349.20	350.74	1.54			MSSX				MX						P					>1					M8		M1			
L																											D)		D+			
R		349.20	350.74		THE SULPHIDE FABRIC CONSISTS OF CLUSTERS AND INTERGROWTHS OF																											
R		349.20	350.74		IRREGULAR SHAPED CRYSTAL FORMS. SOME ISOLATED GRAINS ARE																											
R		349.20	350.74		EUHEDRAL. THESE CLUSTERS AND GRAINS ARE FLOATING IN APHANITIC																											
R		349.20	350.74		PYRITIC GROUNDMASS. AVERAGE GRAIN SIZE OF SINGLE CRYSTALS IS																											
R		349.20	350.74		2 MM, RANGING TO 1 TO 2 CM FOR CLUSTERS.																											
/		350.74	351.80	1.06			CGCP		*C*				K	M	2	N		P	6								R*					
L								5A					6			C													R*		
/		351.80	357.05	5.25			MSSX				MX					2		P									M8		Q+			
L																KL)											D+		Q)			
R		351.80	357.05		THIS UNIT CONTAINS APPROXIMATELY 20 % MUD MATRIX AND ARGILLITE																											
R		351.80	357.05		FRAGMENTS. UNALTERED ARGILLITE CLASTS ARE SUPPORTED IN A MUD																											
R		351.80	357.05		MATRIX. SULPHIDE AND MUD MATRIX BOUNDARIES ARE OBSCURE AND																											
R		351.80	357.05		HIGHLY IRREGULAR.																											
/		357.05	359.20	2.15			BRHM	SF		PY4	BR						MO2	P									P4		Q)			
L																	KM*										D+		Q)			
R		357.05	359.20		CHERT AND ARGILLITE CLAST BOUNDARIES ARE SHARP. PYRITE CLUSTERS																											
R		357.05	359.20		ARE INTERGROWN INTO MUD MATRIX. WELL DEFINED GAMMA RESPONSE.																											
/		359.20	360.40	1.20			MSSX										KM+	P				Q)					P1		M6			
L																	KM*												M2			
R		359.20	360.40		WISPY ARGILLITE CLASTS AND MINOR UNALTERED CHERT CLASTS ARE																											
R		359.20	360.40		PRESENT IN A GALENA RICH MATRIX. INTERGROWTH FABRIC OF GALENA																											
R		359.20	360.40		-SPHALERITE-PYRITE IS IN QUILTS AND PATCHES WITH NO PARTICULAR																											
R		359.20	360.40		STRATIFICATION OR BEDDING HABIT.																											
/		360.40	362.78	2.38			MSSX										LM=	P				Q)					M8		Q)			
L																											D)		Q1			
R		360.40	362.78		SIMILAR TO INTERVAL ABOVE EXCEPT THAT SPHALERITE FORMS DOMINANT																											
R		360.40	362.78		ORE MINERAL. PYRITE APPEARS TO HAVE REPLACED COMPLETELY CHERT																											
R		360.40	362.78		OR ARGILLITE FRAGMENTS. THESE REPLACED CLASTS ARE ENCLOSED																											
R		360.40	362.78		LOCALLY BY A MATRIX OF COARSE CRYSTALLINE RED-BROWN SPHALERITE.																											
K	US1	362.78	362.78	0.00																												
/		362.78	387.50	24.72			BRHM	SF									OP4	P				<)					D)					
L								4A					4	*		C	LN+															
R		362.78	387.50		THIS UNIT IS CHARACTERIZED BY THE OCCURRENCE OF SIDERITIZED																											
R		362.78	387.50		SILICIFIED ARGILLITE FRAGMENTS. MOST CLASTS ARE ROUNDED TO																											
R		362.78	387.50		SUBROUNDED. THE UNIT IS DOMINATED BY A BLACK SILICEOUS MUD																											
R		362.78	387.50		MATRIX > 50 %.																											
/		387.50	391.87	4.37			BRHM	SF		*S+							OP4	P				<)				V)	D)					
L								3A					4	*		C	LN+															

K E Y	F -L- G	FROM -	TO -	INT	RECOV ROD	MD % AGE	ROCK EV	TM RQ	TM LC	TM TM	QM1 QM2	TX TX	F S	C C	% O	M O	ARG CHT	RI 2	1 ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		387.50	391.87		SIMILIAR TO UNIT ABOVE WITH MORE INTENSE ALTERATION.																												
/		391.87	398.17	6.30			ARSI			SI1	LM	0	2	2	2		P	1	BD		40	<										
L									5A																							
R		391.87	398.17		SLIGHTLY DISRUPTED WITH BRHM FABRIC DEVELOPED LOCALLY.																												
/		398.17	405.69	7.52			BRHT										OP3	P										R	)			
L									5A				3	2		C	MO1														
R		398.17	405.69		CGCP CLASTS DOMINATE COARSE CLASTS. LARGEST FRAGMENT IS 0.5																												
R		398.17	405.69		METRES.																												
/		405.69	423.55	17.86			BRHM	SF		*S+						)	NQ8	P														
L									4A								LM)															
R		405.69	423.55		UNIT CONSISTS MAINLY OF ARSI AND SIDERITIZED ARGILLITE																												
R		405.69	423.55		FRAGMENTS.																												
K	LDF	423.55	423.55	0.00																												
/		423.55	427.33	3.78			BRHT										OR8	P														
L															+		LM1															
/		427.33	431.60	4.27			CGPS			*C+		J	L	3	N		P					>)						D*				
L									5A		SN1	5			O																	
/		431.60	433.53	1.93			ARGL				MX	0	0	X	0		P												C*			
L									4A																							
/		433.53	435.56	2.03			CGPS			*C+		J	L	3	N		P											D*				
L									5A		SN2	5			O																	
/		435.56	439.55	3.99			BRHM										MO9	P											C*			
L																	JL=															
/		439.55	441.00	1.45			CGPS			SN2		J	M	3	P		P					V)						D*				
L									5A			5			O																	
/		441.00	451.00	10.00			BRHT										PR	P														
L									5A					1	)		LM=															
R		441.00	451.00		THIS INTERVAL CONTAINS A CGPS UNIT SIMILAR TO BOUNDING CGPS																												
R		441.00	451.00		UNITS.																												
/		451.00	452.63	1.63			CGPS			SN3		J	M	3	P		P											D*				
L									5A			5			O																	
/		452.63	467.26	14.63			BRHM										NT9	P	1	BD		40						C*		C*		
L									4A								JL)															
R		452.63	467.26		SLIGHTLY DISRUPTED ARSI WITH MINOR CHERT IN MATRIX. CONSISTENT																												
R		452.63	467.26		CORE ANGLE BEDDINGS.																												

G E O L O G E D I T L I S T I N G

SYSTEMS ENGINEERING BY
INTERNATIONAL GEOSYSTEMS CORP.

ARERFORD RESOURCES LTD.
JASON PB-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6B02

DRILLHOLE/TRAVERSE :	82-DH089	COLLAR ELEVATION:	1234.48	AZIMUTH(DEG) :	192.00	GEOLOGGED BY :	DWB + JWP
TOTAL DEPTH/LENGTH :	347.47	NORTHING(- IF S):	7002324.55	VERTICAL ANGLE :	-62.00	DATE (YY/MM/DD):	821023
CORE/HOLE DIAMETER :	NQ	EASTING (- IF W):	436587.14	CO-ORD SYSTEM :	UTM	PROJECT NUMBER :	J-S

			SEQ. NO OF SURVEY DATA	FLAGS	LENGTH FROM COLLAR TO SURVEY POINT	AZIMUTH (DEG)	VERT. ANGLE (DEG)	
R SVY	0.00	347.47	PLOTTING FILE					
R SVY	0.00	347.47	THIS FILE CONTAINS THE FOLLOWING DATA:					
R SVY	0.00	347.47	1) MULTI-SHOT DATA FROM 0.0 TO 153.31 M.					
R SVY	0.00	347.47	2) SINGLE-SHOT DATA FROM 119.18 TO 346.25 M.					
			1	401	43.59	186.50	-60.50	
			2	404	80.16	187.00	-59.50	
			3	405	92.35	186.00	-59.00	
			4	406	104.56	186.00	-58.25	
			5	206	119.18	186.00	-58.00	
			6	408	128.93	185.00	-58.00	
			7	409	141.12	185.00	-57.25	
			8	410	153.31	184.00	-56.50	
			9	209	156.97	184.00	-56.00	
			10	411	165.51	184.00	-56.00	
			11	210	175.26	182.00	-55.00	
			12	211	191.11	183.00	-53.50	
			13	212	206.04	185.00	-52.00	
			14	213	224.33	184.50	-51.00	
			15	214	240.49	185.50	-49.50	
			16	215	257.56	184.00	-48.50	
			17	216	288.95	184.00	-48.00	
			18	217	319.43	184.00	-46.50	
			19	218	346.25	183.00	-46.00	
			20	801	347.47	183.00	-46.00	
R SVY	0.00	346.25	STORAGE DATA: SINGLE-SHOT					
			21	201	49.38	189.50	-60.50	(NOT USED)
			22	202	64.62	185.50	-60.00	(NOT USED)
			23	203	79.55	186.50	-59.25	(NOT USED)
			24	204	94.49	186.50	-59.00	(NOT USED)
			25	205	110.03	185.00	-59.00	(NOT USED)
			26	206	119.18	186.00	-58.00	(NOT USED)
			27	207	133.81	186.50	-58.00	(NOT USED)
			28	208	149.05	184.00	-56.50	(NOT USED)
			29	209	156.97	184.00	-56.00	(NOT USED)
			30	210	175.26	182.00	-55.00	(NOT USED)
R SVY	175.72	175.72	CLAPPISON WEDGE 88 RIGHT					
			31	211	191.11	183.00	-53.50	(NOT USED)
			32	212	206.04	185.00	-52.00	(NOT USED)
			33	213	224.33	184.50	-51.00	(NOT USED)
			34	214	240.49	185.50	-49.50	(NOT USED)

			35	215	257.56	184.00	-48.50 (NOT USED)
			36	216	288.95	184.00	-48.00 (NOT USED)
			37	217	319.43	184.00	-46.50 (NOT USED)
			38	218	346.25	183.00	-46.00 (NOT USED)
R	SVY	0.00	346.25	STORAGE DATA: MULTI-SHOT			
			39	401	43.59	186.50	-60.50 (NOT USED)
			40	402	55.79	192.00	-60.00 (NOT USED)
			41	403	67.97	192.00	-60.00 (NOT USED)
			42	404	80.16	187.00	-59.50 (NOT USED)
			43	405	92.35	186.00	-59.00 (NOT USED)
			44	406	104.56	186.00	-58.25 (NOT USED)
			45	407	116.74	184.00	-58.00 (NOT USED)
			46	408	128.93	185.00	-58.00 (NOT USED)
			47	409	141.12	185.00	-57.25 (NOT USED)
			48	410	153.31	184.00	-56.50 (NOT USED)
			49	411	165.51	184.00	-56.00 (NOT USED)
			50	412	177.70	189.00	-54.50 (NOT USED)
			51	413	189.89	191.00	-53.50 (NOT USED)
			52	414	202.08	190.00	-52.00 (NOT USED)
			53	415	214.27	189.00	-52.50 (NOT USED)
			54	416	226.47	188.50	-50.25 (NOT USED)
			55	417	238.66	189.50	-49.00 (NOT USED)
			56	418	250.85	189.00	-48.25 (NOT USED)
			57	419	263.04	189.00	-48.25 (NOT USED)
			58	420	275.23	187.50	-48.00 (NOT USED)
			59	421	287.43	188.00	-48.00 (NOT USED)
			60	422	299.62	185.50	-47.50 (NOT USED)
			61	423	311.81	182.00	-47.00 (NOT USED)
			62	424	324.00	181.50	-46.50 (NOT USED)
			63	425	336.25	180.00	-46.00 (NOT USED)
			64	426	346.25	179.00	-46.00 (NOT USED)

K E Y	F L G	- I N T E R V A L - (UNITS = MT.2 DEC.PLACE) (MT=METRIC FT=FOOTRIC) F R O M - T O - I N T	CORE RECOV- ERY (%)	T- O X	% M D TYPE	ROCK	TYPI- FYING TM 1	QAL MIN TM 2	MAT QM1	TEX- TURES TX 1	TX 2	GRAIN CHARACS F	C	%	M	ARG	PGI /RI	STRUCTUR-1 T	TD	STK	DIP	ALTERATION MINS H A	H A	H A	H A	ORE-TYPE MINS H A	H A	H ANY MIN	SUMMARY ALT	ORE
																		1		AZM	RT	QZ	FL	CY	CA	BA	XX	PY	CP	GL	YY	A 1	A 2
K E Y	F L G		ROCK QUAL DESTG	FM AGE	RT EN- VIR	Q LC- COL	TM 3	QM2	TX 4	TX	S C O R	O D	CHT / C					2	STRUCTUR-2	ID	STK	DIP	MG A	MU A	CL A	SD A	QS A	HA A	PR A	MT A	SL A	HA A	2	2
/ L		0.00 33.90 33.90			OVER												P															
/ L		33.90 45.00 11.10			BRHT	6A	*C) SN+			R*	B*	2 +				MQ5 LN2	P										V-		R-			
/ L		45.00 76.40 31.40			BRHM	4A	SI) *S)					)				PT9 IN+	P										V*		D-			
R		45.00 76.40	LOCAL BRPM DEVELOPED FROM 52.43 TO 53.64 METRES.																													
/ L		62.00 62.80 0.80			X CGSN	7A						3 5 3 7 5				0 I08	R										>=		D-			
R		62.00 62.80	UNCLEAR WHETHER THIS IS A FRAGMENT OR A DEPOSITIONAL UNIT.																													
K	UDF	76.40 76.40 0.00																														

KEY	F-L-G	FROM	TO	INT	RECOV RQD	MD % AGE	ROCK EV	TM RQ	TM LC	TM OM1 OM2	TX TX	TX TX	F S	C C	% O	M O	ARG CHT	RI 1 2	ID	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R	UDF	76.40	76.40																													
							POSSIBLE UDF CONTACT.																											
/		76.40	98.00	21.60			BRHT				*S)						QU8	P				V-						D.				
L									5A				2	1			KN=															
R		76.40	98.00				UNIT IS CHARACTERIZED BY LARGE CGCP AND CGSN INTERVALS UP TO																											
R		76.40	98.00				1.4 METRES LONG. THESE HAVE BEEN INTERPRETED AS FRAGMENTS,																											
R		76.40	98.00				ALTHOUGH SOME AMBIGUITY EXISTS (SEE RI BELOW).																											
/		78.20	80.40	2.20			X CGPS				SN4 MX		4	6	3	8	MP1	R										D-		8.		
L									6A				4			0	IM7													8.		
R		78.20	80.40				UNCLEAR WHETHER THIS IS A DEPOSITIONAL EVENT OR A FRAGMENT.																											
R		78.20	80.40				HOWEVER, IT HAS BEEN INTERPRETED AS A FRAGMENT. THIS UNIT IS																											
R		78.20	80.40				REMARKABLE BECAUSE OF THE PRESENCE OF MINOR GL AND SL.																											
/	FRG	91.14	94.86	3.72			X ARSI				SN1 SS LM		0	3	1	3		R	1	BD		T70						D.				
L									3A													B75										
R		91.14	94.86				UNIT IS SLIGHTLY DISRUPTED. CORE TO BEDDING ANGLE IS FAIRLY																											
R		91.14	94.86				CONSISTENT AT 70 TO 75 DEGREES. INTERVAL IS PROBABLY A LARGE																											
R		91.14	94.86				FRAGMENT.																											
/		98.00	101.00	3.00			ARSI				LM (L		0	3	1	3		P	1	BD		U42						D.				
L									3A																							
/		101.00	103.50	2.50			BRHT				SN+						NP5	P				>=						D*				
L									4A				2	+			JM1															
/		103.50	110.00	6.50			CGSN				SN5 MX	ST	4	6	3	7		P				<=						D.				
L									6A				6																			
R		103.50	110.00				INTERVAL COMPRISES THREE 2 METRE CYCLES. THE LOWER TWO CYCLES																											
R		103.50	110.00				CONSIST OF A CGCP BASE AND A SAND TOP. THE UPPER CYCLE CONSISTS																											
R		103.50	110.00				OR A CGPS BASE AND A SAND TOP. THE SAND UNITS ARE MASSIVE,																											
R		103.50	110.00				MEDIUM GRAINED AND EXTREMELY WELL SORTED. A SMALL INTERVAL OF																											
R		103.50	110.00				CGPS OCCURS AT THE BASE OF THE ABOVE CYCLES (FROM 109.0 TO 110.0																											
R		103.50	110.00				METRES).																											
/		110.00	113.00	3.00			ARGL	CR			SI1 MX		0	1	1	1		P										D.				
L									2A																							
R		110.00	113.00				UNIT HAS A RELATIVELY HIGH BACKGROUND ON GAMMA LOG (>100 CPS).																											
/		113.00	119.30	6.30			CGPS				SN2		4	6	3	9	NR1	P				<=						D-				
L									5A				2			0	KO4															
/		119.30	123.30	4.00			CGPS				SN3 MX		4	6	5	8	LP1	P				>=						D(				
L									5A				5			0	LP7															
/		123.30	132.00	8.70			CGCP	SF					5	6	3	7		P				>2						D(				
L									6A				7			C	MN9															
R		123.30	132.00				UPPER 0.3 METRES BECOMES SANDY. INTERVAL IS CHARACTERIZED BY																											
R		123.30	132.00				PROMINENT DEVELOPED QUARTZ VEINS FROM 123.60 TO 127.71 METRES.																											
/		132.00	140.82	8.82			ARSI		CR		LM G;		0	3	1	5		P	1	BD		U50	>+					D.				
L									3A																							

K E Y	F -L- G	F R O M	- T O -	I N T	RECOV RQD	MD % AGE	ROCK EV	TM RQ	TM LC	QM1 TM	QM2	TX TX	TX TX	F S	C C	X O	M D	ARG CHT	RI 1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		132.00	140.82				THIS UNIT APPEARS TO BE IN PLACE; IE. CORE TO BEDDING ANGLES ARE																												
R		132.00	140.82				FAIRLY CONSISTENT FROM 46 TO 55 DEGREES. THE UNIT IS LOCALLY																												
R		132.00	140.82				DISRUPTED, HOWEVER, RESULTING IN SMALL SANDSTONE FRAGMENTS AND A																												
R		132.00	140.82				STEEP CAB (75 DEGREES) AT ABOUT 137 METRES. THE INTERVAL																												
R		132.00	140.82				CONTAINS TWO WELL DEVELOPED SAND SEQUENCES FROM 135.33 TO 135.74																												
R		132.00	140.82				METRES, AND FROM 139.00 TO 139.20 METRES. THESE BEDS SHOW WELL																												
R		132.00	140.82				DEVELOPED NORMAL GRADING (TOPS UP HOLE). THE BASE OF THE																												
R		132.00	140.82				INTERVAL GRADES INTO THE UNDERLYING CGCP AND CONTAINS MINOR																												
R		132.00	140.82				CHERT FRAGMENTS.																												
/		135.53	135.85	0.32			X SAND			LM	G;	3	4	1	5			R	1	BD		U42						D-					
L								6A																										
R		135.53	135.85				INTERVAL COMPRISES TWO GRADED CYCLES OF ABOUT 20CM EACH.																												
/		140.82	142.30	1.48			BRHT			*S+								OQ4	P									D-					
L								5A		SN1		3	1					LN2															
/		142.30	150.27	7.97			CGPS			SN2		4	6	4	8			PQ1	P					>*				D.					
L								6A				4	+		0			IQ5															
/		150.27	166.16	15.89			BRHT			*S=								QS3	P					>+				D-					
L								7A				2	1	=				MP1															
R		150.27	166.16				MINOR PYROBITUMEN AT 154.60 METRES. THIS INTERVAL IS																												
R		150.27	166.16				CHARACTERIZED BY INTERVALS OF CGCP RANGING FROM 6 CM TO 1 METRE.																												
R		150.27	166.16				IN SOME CASES IT IS UNCLEAR WHETHER THESE ARE FRAGMENTS OR																												
R		150.27	166.16				DEPOSITIONAL EVENTS. ALL CGCP INTERVALS HAVE BEEN LOGGED AS																												
R		150.27	166.16				FRAGMENTS HOWEVER.																												
/	FRG	163.68	165.00	1.32			X CGCP					5	6	7	7			R										D-					
L								7A				5			C												#=						
/		166.16	169.40	3.24			BRPM			SN2		4	6	2	7			NT1	P									D.					
L								6A				4	2		0			IN5									#-						
R		166.16	169.40				INTERVAL CONTAINS A LARGE CGCP FRAGMENT FROM 168.49 TO 169.19																												
R		166.16	169.40				METRES. MINOR PYROBITUMEN OCCURS IN A SIDERITE MATRIX AT																												
R		166.16	169.40				166.70 METRES.																												
/		169.40	183.80	14.40			BRHT											QT5	P									D-		B.			
L								6A	SX			3	3					LO=												B.			
R		169.40	183.80				THIS INTERVAL IS CHARACTERIZED BY NUMEROUS LARGE CGCP CLASTS																												
R		169.40	183.80				RANGING IN SIZE FROM 14 CM TO 1.5 METRES. NOTABLE FRAGMENTS																												
R		169.40	183.80				ARE AS FOLLOWS: 171.10 TO 172.40 METRES & 178.00 TO 179.65																												
R		169.40	183.80				METRES.																												
R		169.40	183.80				GL AND SL OCCUR AS BLEBS IN CGCP FRAGMENTS.																												
/		178.00	179.65	1.65			X CGCP					5	6	6	7			R										D.					
L								7A				2			C																		
K	LDF	183.80	183.80	0.00																														
/		183.80	185.42	1.62			BRHM											NP9	P									#-					
L								3A										JJ.									#(						

K E Y	F -L- G	FROM -	TO -	INT	RECOV RQD	MD % AGE	ROCK EV	TM RQ	TM LC	TM DM1 DM2	TX TX	F S	C C	% O	M O	ARG CHT	RI 1 2	ID 1 ID 2	AZM	DIP	QZ MG	FL MU	CY CL	CA SD	BA OS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
/		185.42	186.23	0.81				ARGL	CR 1A	SI=	MX	0	2	=	2		P										D.					
R		185.42	186.23				INTERVAL IS DISTINGUISHED BY A RELATIVELY HIGH BACKGROUND ON																										
R		185.42	186.23				GAMMA LOG (>100 CPS).																										
/		186.23	195.30	9.07				ARSI	3A		LM	0	3	1	3		P	1	BD		44						D.					
R		186.23	195.30				INTERVAL APPEARS TO BE IN PLACE AND SHOWS A CONSISTENT CAB OF																										
R		186.23	195.30				42 TO 45 DEGREES.																										
/		195.30	210.85	15.55				ARSI	3A		LM	0	3	2	3		P	1	BD		45			<-		<-						
R		195.30	210.85				INTERVAL IS IN PLACE, WITH FAIRLY CONSISTENT CAB OF 43 DEGREES.																										
R		195.30	210.85				UPPER 1 METRE IS SLIGHTLY TO MODERATELY DISRUPTED. INTERVAL IS																										
R		195.30	210.85				DISTINGUISHED FROM ABOVE ARSI BY A SLIGHT INCREASE IN SAND, FROM																										
R		195.30	210.85				APPOXIMATELY 10 TO 15 %. THIS INCREASE IN SAND IS ACCOMPANIED																										
R		195.30	210.85				BY A SLIGHT DECREASE IN BACKGROUND ON GAMMA LOG. UNIT IS CUT																										
R		195.30	210.85				LOCALLY BY IRREGULAR PYRITE-CARBONATE VEINS.																										
/		210.85	212.50	1.65				ARGL	CR 1A	SI+	MX	0	2	+	2		P					<-										
R		210.85	212.50				INTERVAL IS DISTINGUISHED BY A HIGH BACKGROUND ON THE GAMMA LOG.																										
/		212.50	243.85	31.35				BRHM	3A	*S*		4	*			RS9 KN*	P							<-		B-		B.			<-
R		212.50	243.85				INTERVAL IS A MODERATELY DISRUPTED ARSI. INDIVIDUAL ARGL																										
R		212.50	243.85				FRAGMENTS ARE DIFFICULT TO DISTINGUISH EXCEPT IN THE BOTTOM																										
R		212.50	243.85				6 METRES WHERE THE UNIT IS MORE HIGHLY DISRUPTED. THIS BASAL																										
R		212.50	243.85				SECTION IS CHARACTERIZED BY SMALLER ARGL FRAGMENTS (EG O,P SIZE)																										
R		212.50	243.85				AND INCREASED CHERT CONTENT. THESE FEATURES ARE CONSISTENT WITH																										
R		212.50	243.85				A SLUMPING ARSI UNIT, WITH MOST OF THE SHEARING CONCENTRATED AT																										
R		212.50	243.85				THE BASE. INTERVAL FROM 239.40 TO 240.70 IS A BRPM AND CONTAINS																										
R		212.50	243.85				MINOR SIDERITIZED CHERT CLASTS WITH PYRITE AND MINOR GL & SL.																										
R		212.50	243.85				SL OCCURS IN A SIDERITE VEIN AT 238.16 METRES.																										
K	US1	243.85	243.85	0.00																												
/		243.85	255.45	11.60				ARSI	SF 2A GR	CR	LM	0	3	1	3		P	1			V*					<-						
R		243.85	255.45				THIS UNIT IS A MODERATELY CARBONACEOUS AND SILICIFIED ARSI.																										
R		243.85	255.45				SILICIFICATION HAS OBSCURED ORIGINAL TEXTURES TO A LARGE EXTENT,																										
R		243.85	255.45				MAKING IT DIFFICULT TO MEASURE SAND SIZE FOR EXAMPLE. THE UNIT																										
R		243.85	255.45				APPEARS TO HAVE UNDERGONE MODERATE SLUMPING, ALTHOUGH A WELL																										
R		243.85	255.45				DEFINED BRHM IS NOT DEVELOPED. CORE BEDDING ANGLES VARY FROM																										
R		243.85	255.45				50 TO 80 DEGREES. THIS INTERVAL MAY BE A SOUTH ZONE ONE																										
R		243.85	255.45				EQUIVALENT.																										
/	FLT	250.10	255.20	5.10			X	ARSI	GR 1A GR	CR	GG7	LM	0	3	1	3		R	1		V*					<-						
K	LS1	255.45	255.45	0.00																												

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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM QM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ----- --- - -- --- --- -- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R Q D  AGE EV RQ LC TM QM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA

K US2  255.45  255.45   0.00

/      255.45  269.75  14.30              ARSI CR SF     LM ST 0 3 1 3       P  1            V+          C-    <-
L                                          2A GR                                  <-
R      255.45  269.75      UNIT IS VIRTUALLY IDENTICAL TO ABOVE ARSI, BUT IS MORE HIGHLY
R      255.45  269.75      SILICIFIED (IE. VERY SILCIFIED; STYLOLITIC).  ALSO, UNIT
R      255.45  269.75      CONTAINS NUMEROUS QUARTZ VEINS, BOTH CROSS-CUTTING AND DEVELOPED
R      255.45  269.75      ALONG BEDDING PLANES.  THIS QUARTZ VEINING AND INCREASED
R      255.45  269.75      SILICIFICATION ACCOUNT FOR THE NOTICABLY LOWER GAMMA RAY
R      255.45  269.75      RESPONSE OVER THIS INTERVAL.  THIS UNIT MAY BE SOUTH ZONE TWO
R      255.45  269.75      EQUIVALENT (UPPER PART OF SOUTH ZONE TWO - SEE BELOW).  THE
R      255.45  269.75      BOTTOM 0.61 METRES IS INTENSELY QUARTZ VEINED, WITH LOCAL
R      255.45  269.75      DEVELOPMENT OF SERICITE (LT GN, PLATY).  BARITE MAY BE PRESENT
R      255.45  269.75      AS FINE MICROCRYSTALINE (POWDERY) COATINGS.

/      269.75  271.35   1.60              ARGL CR GR SN2 MX    0 3 2 3       P            <*          C.    B)
L                                          1A
R      269.75  271.35      UNIT IS A VERY CARBONACEOUS (SOOTY) ARGL AND SHOWS AS A STRONG
R      269.75  271.35      PEAK ON THE GAMMA LOG.  LOCALLY, THE ARGL IS VERY SLIGHTLY
R      269.75  271.35      SILICIFIED.  A WHITE POWDERY COATING (BARITE?) OCCURS ON SOME
R      269.75  271.35      SURFACES.  A NARROW BRHT ZONE IS INCLUDED IN THIS INTERVAL (SEE
R      269.75  271.35      BELOW).

/      270.35  270.60   0.25           X BRHT GR SF *S=              LO1   R            <-          B=
L                                          5A PY SN=       4   =    LN4
R      270.35  270.60      INTERVAL IS MODERATELY SILICIFIED.  PYRITE OCCURS REPLACING
R      270.35  270.60      CHERT FRAGMENTS.

/      271.35  274.00   2.65              ARGL SF CR GG1 MX    0 3 2 3       P            <+          C-    D-
L                                          1A GR                                  .
R      271.35  274.00      MOST OF THE SILICIFICATION AND QUARTZ VEINING IS CONCENTRATED IN
R      271.35  274.00      THE UPPER PART OF THE INTERVAL, FROM 271.35 TO 272.70 METRES.
R      271.35  274.00      MINOR SERICITE HAS BEEN TENTATIVELY IDENTIFIED AS VEINS AND
R      271.35  274.00      COATINGS.

/ SIG  274.00  275.40   1.40              CGSN SF CR           I L 2 0       P            <1          D(    <-
L                                          4A SX           4     0                      <)                <-
R      274.00  275.40      INTERVAL IS MODERATELY TO HIGHLY SILICIFIED AND CUT BY ABUNDANT
R      274.00  275.40      QUARTZ MICROVEINS.  SERICITE IS COMMONLY ASSOCIATED WITH QUARTZ
R      274.00  275.40      IN THESE VEINS.  MINOR GL AND SL ARE ALSO PRESENT LOCALLY IN
R      274.00  275.40      QUARTZ-SERICIETE VEINS.  QUARTZ VEINING AND ALTERATION HAVE
R      274.00  275.40      OBSCURED ORIGINAL TEXTURES TO A LARGE EXTENT, MAKING IT
R      274.00  275.40      DIFFICULT TO DETERMINE THE PRECISE NATURE OF THE ORIGINAL ROCK
R      274.00  275.40      UNIT APPEARS TO BE PEBBLY SANDSTONE, OR SANDY CONGLOMERATE, WITH
R      274.00  275.40      LOCAL ARGILLACEOUS INTERVALS (POSSIBLY ARGL FRAGMENTS?).  RELIC
R      274.00  275.40      CHERT PEBBLES OCCUR LOCALLY.  CORRELATIONS WITH THE GAMMA LOG
R      274.00  275.40      AND CORE FOR 82-DH088 SUGGEST THAT THIS INTERVAL REPRESENTS THE
R      274.00  275.40      BASE OF SOUTH ZONE TWO - IE. A TENTATIVE CORRELATION CAN BE MADE
R      274.00  275.40      WITH THE CGCP UNIT FROM 326.14 TO 327.36 METRES IN 82-DH088.

K LS2  275.40  275.40   0.00
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K  F  F R O M - T O -  I N T RECOV  MD % ROCK TM TM OM1 TX TX F C % M ARG   RI 1 ID AZM DIP QZ FL CY CA BA XX PY CP GL YY  A 1 A 2
E -L- ----.-- ----.-- ---.-- ---.-- -- - ---- -- -- --- -- -- - - - - ---- --- - -- --- --- -- -- -- -- -- -- -- -- --  - - - -
Y  G                        R O D  AGE EV RO LC TM OM2 TX TX S C O O CHT      2 ID AZM DIP MG MU CL SD QS HA PR MT SL HA

/      275.40  287.73  12.33              ARGL CR GR SN2 MX    0 3 2 3       P    BD      50 <)                B(
L                                            1A    GG2
R      275.40  287.73      INTERVAL IS A BLACK CARBONACEOUS (SOOTY) SANDY ARGILLITE.  IT
R      275.40  287.73      SHOWS A RELATEVELY HIGH GAMMA RESPONSE, INCREASING TOWARDS THE
R      275.40  287.73      BASE.  INTERVAL IS VERY RUBBLY, WITH FAULT GOUGE, AND MODERATE
R      275.40  287.73      RECOVERY.  LOCAL SILICIFICATION AND PYRITE ASSOCIATED WITH
R      275.40  287.73      QUARTZ VEINING AT 277.50 METRES.  THIS INTERVAL PROBABLY
R      275.40  287.73      CORRELATES WITH A SIMILIAR LITHOLOGY FROM 324.10 TO 326.14
R      275.40  287.73      METRES IN HOLE 82-DH088, BUT IS MUCH THICKER.

/      287.73  290.00   2.27              CGBR       SN=       J N 6 P NP5   P                <)                D(
L                                            6A                4     C LN3
R      287.73  290.00      THIS INTERVAL REPRESENTS THE TOP OF A THICK CU SAND SEQUENCE
R      287.73  290.00      (SEE BELOW).  THE CGBR CAN BE CORRELATED WITH A SIMILAR UNIT
R      287.73  290.00      (CGCP/CGBR) FROM 310.99 TO 324.10 METRES IN 82-DH089, BUT IS
R      287.73  290.00      MUCH THINNER.

/      290.00  304.40  14.40              SAND       SN8 CU MX 0 3 8 4       P  6 BD      U38 V*               L-
L                                            7A        (L    7     C
R      290.00  304.40      INTERVAL IS A CU MEGASEQUENCE OF SAND, TOPPED BY A CGBR UNIT
R      290.00  304.40      (ABOVE PGI).  THE UNIT COMPRISES 9 INDIVIDUAL BEDS WHICH CAN BE
R      290.00  304.40      GROUPED INTO 4 DISCRETE CU SEQUENCES.  THE CU TREND IS DEFINED
R      290.00  304.40      ON THE BASIS OF BED THICKNESS, RATHER THAT GRAIN SIZE.  IE. EACH
R      290.00  304.40      SEQUENCE SHOWS AN INCREASE IN BED THICKNESS FROM BASE TO TOP.
R      290.00  304.40      IN ADDITION, THE 4 SEQUENCES COMPRISING THE MEGASEQUENCE
R      290.00  304.40      INCREASE IN THICKNESS FROM BASE (304.40 METRES) TO TOP (290.00
R      290.00  304.40      METRES).  INDIVIDUAL BEDS, WHICH RANGE IN THICKNESS FROM 0.6 TO
R      290.00  304.40      3.9 METRES, ARE CHARACTERIZED BY A SANDY BASE (COMPRISING 80 TO
R      290.00  304.40      90 % OF THE BED), AND A BLACK ARGILLACEOUS TOP, WHICH IS
R      290.00  304.40      COMMONLY LAMINATED.  SANDY PARTS OF BEDS ARE MASSIVE.
R      290.00  304.40      ARGILLACEOUS TOPS OF BEDS ARE COMMONLY SOMEWHAT CARBONACEOUS AND
R      290.00  304.40      SHOW A HIGH GAMMA RESPONSE (>100 CPS), POSSIBLY INDICATING
R      290.00  304.40      AFFILIATION WITH THE ROAD RIVER.  REFER TO GAMMA LOG FOR
R      290.00  304.40      DISTRIBUTION OF INDIVIDUAL BEDS.

/      304.40  333.60  29.20              SAND       SN8 FU (L 0 3 8 4       P  6 BD      U45 <*               L-
L                                            7A        MX    7     C
R      304.40  333.60      INTERVAL IS A FU MEGASEQUENCE COMPRISING 16 INDIVIDUAL BEDS.
R      304.40  333.60      THESE BEDS CAN BE GROUPED TOGETHER INTO 4 DISCRETE FU SEQUENCES.
R      304.40  333.60      THE UNIT IS LITHOLOGICALLY IDENTICAL TO THE ABOVE PGI, BUT SHOWS
R      304.40  333.60      AN OVERALL FU TREND BASED ON BED THICKNESS.  IN THE ABOVE UNIT
R      304.40  333.60      THE FU TREND IS DEVELOPED BOTH WITHIN SEQUENCES OF BEDS, AND IN
R      304.40  333.60      GENERAL, WITHIN THE MEGASEQUENCE AS A WHOLE.  INDIVIDUAL BEDS
R      304.40  333.60      SHOW A RELATIVELY HIGH GAMMA RESPONSE (80-120 CPS) WHICH MAY
R      304.40  333.60      SUGGEST AFFILIATION WITH THE ROAD RIVER.  REFER TO GAMMA LOG FOR
R      304.40  333.60      DISTRIBUTION OF INDIVIDUAL BEDS.  THIS AND THE ABOVE PGI ARE
R      304.40  333.60      CORRELATABLE WITH A SIMILAR SAND SEQUENCE IN 82-DH088 (283.16 TO
R      304.40  333.60      310.99 METRES), BUT ARE SOMEWHAT THICKER.

/      333.60  335.00   1.40              ARGL CR    SN1 LM (L 0 3 1 3       P    BD      U45
L                                            2A
```

K E Y	F -L- G	F R O M -	T O -	I N T	RECOV R Q D	MD % AGE	ROCK EV	TM RQ	TM LC	QM1 TM	QM2	TX TX	TX TX	F S	C C	% O	M O	ARG CHT	RI	1 2	ID ID	AZM AZM	DIP DIP	QZ MG	FL MU	CY CL	CA SD	BA QS	XX HA	PY PR	CP MT	GL SL	YY HA	A 1	A 2
R		333.60	335.00				SAND IS CONCENTRATED IN TWO SMALL BEDS OF < 10 CM HIGH GAMMA																													
R		333.60	335.00				RESPONSE (115 CPS).																													
/		335.00	335.60	0.60			SAND			SN9		MX		3	4	2	4		P	6	RD		50											
L								7A						7		C																		
R		335.00	335.60				SAND IS IDENTICAL TO THAT IN MEGASEQUENCE FROM 290.00 TO 336.60																													
R		335.00	335.60				METRES.																													
/		335.60	347.47	11.87			ARGL	CB		LM		(L		0	3	1	3		P	1	RD		U45											
L								2A																										
R		335.60	347.47				SAND TENDS TO BE CONCENTRATED IN THE UPPER HALF OF THE INTERVAL,																													
R		335.60	347.47				AND OCCURS BOTH AS DISCRETE, AND DISSEMINATED WITHIN ARGL.																													
R		335.60	347.47				INTERVAL HAS A UNIFORMLY HIGH GAMMA RESPONSE (90 TO 110 CPS)																													
R		335.60	347.47				POSSIBLY SUGGESTING ROAD RIVER AFFILIATION. CORRELATES WITH A																													
R		335.60	347.47				SIMILAR INTERVAL IN 82-DH088, WHICH ENDS AT 283.16 METRES.																													

TABLE 6

GRAFLOG LEGEND

ENTRY / VALUE	GRAFLOG	DESCRIPTION
M/A	A	KEY HORIZON A
M/B	B	KEY HORIZON B
M/C	C	KEY HORIZON C
M/D	D	KEY HORIZON D
M/O	O	KEY HORIZON O
US1	1	KEY HORIZON 1
LS1	1	KEY HORIZON 1
US2	2	KEY HORIZON 2
LS2	2	KEY HORIZON 2
US3	3	KEY HORIZON 3
LS3	3	KEY HORIZON 3
UM1	M	KEY HORIZON M
LM1	M	KEY HORIZON M
UDF	F	KEY HORIZON F
LDF	F	KEY HORIZON F
MC	O	CONGLOMERATE CLASTS
BS	T	BOUMA SEQUENCE/ TURBIDITE
BS	T	BOUMA SEQUENCE/ TURBIDITE
BS	T	BOUMA SEQUENCE/ TURBIDITE
BS	T	BOUMA SEQUENCE/ TURBIDITE
G;	T	GRADED BEDDING/ NORMAL
G;	T	GRADED BEDDING/ NORMAL
G;	T	GRADED BEDDING/ NORMAL
G;	T	GRADED BEDDING/ NORMAL
G:	T	GRADED BEDDING/ REVERSE
G:	T	GRADED BEDDING/ REVERSE
G:	T	GRADED BEDDING/ REVERSE
G:	T	GRADED BEDDING/ REVERSE
SF	S	SILICIFIED
SF	S	SILICIFIED
SF	S	SILICIFIED

0	0	ABSENT — QTZ/SID VEINING
/	/	PRESENT
?	?	POSSIBLY PRESENT
.	.	.01
:	:	.03
(	(	.1
#	#	.3
)	)	1
+	+	2.5
=	=	5
1	1	10
2	2	20
3	3	30
4	4	40
5	5	50
6	6	60
7	7	70
8	8	80
9	9	90
X	X	100%

0	0	ABSENT — CHERT CLASTS
/	/	PRESENT
?	?	POSSIBLY PRESENT
.	.	.01
:	:	.03
(	(	.1
#	#	.3
)	)	1
+	+	2.5
=	=	5
1	1	10
2	2	20
3	3	30
4	4	40
5	5	50
6	6	60
7	7	70
8	8	80
9	9	90
X	X	100%

CH0	0	ABSENT — CH%
CH/	/	PRESENT
CH?	?	POSSIBLY PRESENT
CH.	.	.01
CH:	:	.03
CH(	(	.1
CH#	#	.3
CH)	)	1
CH+	+	2.5
CH=	=	5
CH1	1	10
CH2	2	20
CH3	3	30
CH4	4	40
CH5	5	50
CH6	6	60
CH7	7	70
CH8	8	80
CH9	9	90
CHX	X	100%

0	0	ABSENT — ARGILLITE CLASTS
/	/	PRESENT
?	?	POSSIBLY PRESENT
.	.	.01
:	:	.03
(	(	.1
#	#	.3
)	)	1
+	+	2.5
=	=	5
1	1	10
2	2	20
3	3	30
4	4	40
5	5	50
6	6	60
7	7	70
8	8	80
9	9	90
X	X	100%

.../27

TABLE 6 (cont)

GRAFLOG LEGEND

ENTRY / VALUE	GRAFLOG	DESCRIPTION
SHER		SHEAR
OVER		OVERBURDEN
LOST		LOST = NOT RECOVERED
MISS		MISSING = MISPLACED
TRIC		TRI-CONE DRILLED
REDG		CORE GROUND (REAMING)
FAUL		FAULT
CHER		CHERT
ARGL		ARGILLITE, <5% SI, SN
ARSI		SILTY ARGL, 5-30% SI, SN
ARSN		SANDY ARGL >30% SN, SI
BRXX		BRECCIA
BRHM		HOMOLITHIC BRXX, AR: CH<5%
BRHT		HETEROLITHIC BRXX
BRPM		PEBBLY MUDS/SAND MTX BRXX
CGXX		CONGLOMERATE
CGCP		CHERT PEB CGXX, >75% CH
CGBR		CHERT PEB CGXX/BRXX
CGPS		CONGL-PEBBLY SS
CGSN		CONGL-SS FU SEQUENCE
SILT		SILTSTONE
SAND		SANDSTONE
DYKE		DYKE
LBSX		LAM/BANDED SULPHIDE/ATE
MSSX		MASSIVE SULPHIDE/ATE
FGSX		FRAGMENTED SULPHIDE/ATE
MSSD		MASSIVE TO BEDDED SD
REPT		REPEAT INTERVALS
SN0	0	ABSENT % SAND
SN/	/	PRESENT
SN?	?	POSSIBLY PRESENT
SN.	.	.01
SN-	-	.03
SN(	(	.1
SN*	*	.3
SN)	)	1
SN+	+	2.5
SN=	=	5
SN1	1	10
SN2	2	20
SN3	3	30
SN4	4	40
SN5	5	50
SN6	6	60
SN7	7	70
SN8	8	80
SN9	9	90
SNX	X	100%
A	A	.003 MM CLAY SIZE CH (MODAL)
B	B	.008 MM V.FINE SILT
C	C	.011 MM FINE SILT
D	D	.022 MM MEDIUM SILT
E	E	.044 MM COARSE SILT
F	F	.088 MM V.FINE SAND
G	G	.177 MM FINE SAND
H	H	.354 MM MEDIUM SAND
I	I	.707 MM COARSE SAND
J	J	1.41 MM GRIT
K	K	2.83 MM GRANULE
L	L	5.66 MM V.SMALL PEB
M	M	11.3 MM SMALL PEB
N	N	22.6 MM MEDIUM PEB
O	O	45.3 MM LARGE PEB
P	P	90.5 MM SMALL COB
Q	Q	0.18 M LARGE COB
R	R	0.36 M SMALL BOLD
S	S	0.72 M MEDIUM BOLD
T	T	1.45 M LARGE BOLD
U	U	2.9 M V.LARGE BOLD
V	V	5.0 M
W	W	10.0 M HUMUNGOUS!!
A	A	.003 MM CLAY SIZE ARG (MODAL)
B	B	.008 MM V.FINE SILT
C	C	.011 MM FINE SILT
D	D	.022 MM MEDIUM SILT
E	E	.044 MM COARSE SILT
F	F	.088 MM V.FINE SAND
G	G	.177 MM FINE SAND
H	H	.354 MM MEDIUM SAND
I	I	.707 MM COARSE SAND
J	J	1.41 MM GRIT
K	K	2.83 MM GRANULE
L	L	5.66 MM V.SMALL PEB
M	M	11.3 MM SMALL PEB
N	N	22.6 MM MEDIUM PEB
O	O	45.3 MM LARGE PEB
P	P	90.5 MM SMALL COB
Q	Q	0.18 M LARGE COB
R	R	0.36 M SMALL BOLD
S	S	0.72 M MEDIUM BOLD
T	T	1.45 M LARGE BOLD
U	U	2.9 M V.LARGE BOLD
V	V	5.0 M
W	W	10.0 M HUMUNGOUS!!

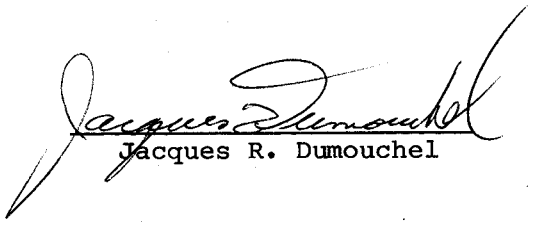
STATEMENT OF QUALIFICATIONS

J. R. DUMOUCHEL

I, Jacques R. Dumouchel of Calgary, Alberta, hereby certify that:

1) I am a geologist residing at 1516 - 23 Street N.W., Calgary, Alberta and am currently employed by Aberford Resources Ltd. of 300 Fifth Avenue, S.W., Calgary, Alberta.

2) I graduated from the University of Ottawa, in 1977 with a B.Sc. in Geology and have practised my profession since that time.



Jacques R. Dumouchel

LEGEND

- ○ LOCATION TARGETED 1981
- □ I.P. 230 DENOTES IRON POST SET WITH TAGGED TRAVERSE NUMBER (McELHANNEY ASSOCIATES)
- □ L.P. DENOTES LOCATION POST
- ○ T.H. 233 DENOTES TAGGED TRAVERSE HUB, HUBS ARE 6" SPIKES OR WOODEN HUBS
- (60 SW, 5 NW) DENOTES GRID LINE LOCATIONS
- ○ D.H. 34 DENOTES DIAMOND DRILL HOLE
- 48 DENOTES PREVIOUSLY SURVEYED LOCATION LINE POINT NUMBER (HOSFORD, IMPEY & WELTER LIMITED)
- ❀ HW 1, HW 6 DENOTES CONTROL STATIONS
- Fr. DENOTES FRACTIONAL MINERAL CLAIM
- B/L DENOTES BASELINE
- WT. DENOTES WITNESS

D.H. 1 – D.H. 7 DRILLED IN 1975
D.H. 8 – D.H. 20 DRILLED IN 1976
D.H. 21 – D.H. 26 DRILLED IN 1977
D.H. 27 – D.H. 43 DRILLED IN 1978
D.H. 44 – D.H. 52 DRILLED IN 1979
D.H. 53 – D.H. 67 DRILLED IN 1980
D.H. 68 – D.H. 85 DRILLED IN 1981

EXPIRY YEAR

- 1982
- 1983
- 1984
- 1985
- 1986
- 1987
- 1988
- 1989
- 1992
- 1995 – 1997
- 2000 – 2005

NOTE: ALL CLAIMS HAVE COMMON EXPIRY DATE OF DEC. 31.

MAYO MINING DISTRICT

WATSON LAKE MINING DISTRICT

PLATE 1

091428

OGILVIE JOINT VENTURE

MINERAL CLAIMS

JASON PROPERTY

MACMILLAN PASS AREA (N.T.S. 105O-1)

MAYO AND WATSON LAKE MINING DISTRICTS, YUKON TERRITORY

200 100 0 200 400 600 800
SCALE IN METERS

ABERFORD RESOURCES LTD.

DECEMBER 1982

E-1925

PLATE 2

091428

TO ACCOMPANY REPORT NO. 3-83 / 19-82 BY J.R.D. P.H., D.B., R. & J.P.

ABERFORD RESOURCES LTD.

OJV JASON PROJECT, MACMILLAN PASS, Y.T.

DRILL HOLE PLAN PROJECTIONS WITH TOPOGRAPHY

MAIN AND SOUTH ZONES

SCALE 1: 1000

0 20 40 60 80 100 M

DATE: 1982/04/29	NTS 105 O/1	DRAWING NO. 1827

INTERNATIONAL GEOSYSTEMS CORPORATION

2200 N

2400 N

6700 E

82AWH086

82 - DH086

185°

005°

6800 E

2200 N

2400 N

1300 m

82 - DH086

1200 m

1100 m

1000 m

SOUTH ZONE 2&3

SOUTH ZONE 1

UNIT 2b

900 m

800 m

82AWH086

TD 776.33 m

700 m

SOUTH ZONE 1

TD 845.21 m

SOUTH ZONE 3

SOUTH ZONE 2

600 m

IGC GRAFLOG LEGEND

ENTRY / VALUE	GRAFLOG	DESCRIPTION
SHER		SHEAR
OVER		OVERBURDEN
LOST		LOST - NOT RECOVERED
MISS		MISSING - MISPLACED
TRIC		TRI-CONE DRILLED
WEDG		CORE GROUND (REAMING)
FAUL		FAULT
CHER		CHERT
ARGL		ARGILLITE, <5% SI, SN
ARSI		SILTY ARGL, 5-30% SI, SN
ARSN		SANDY ARGL >30% SN, SI
BRXX		BRECCIA
BRHM		HOMOLITHIC BRXX, AR: CH<5%
BRHT		HETEROLITHIC BRXX
BRPM		PEBBLY MUDS/SAND MTX BRXX
CGXX		CONGLOMERATE
CGCP		CHERT PEB CGXX, >75% CH
CGBR		CHERT PEB CGXX/BRXX
CGPS		CONGL-PEBBLY SS
CGSN		CONGL-SS FU SEQUENCE
SILT		SILTSTONE
SAND		SANDSTONE
DYKE		DYKE
LBSX		LAM/BANDED SULPHIDE/ATE
MSSX		MASSIVE SULPHIDE/ATE
FGSX		FRAGMENTED SULPHIDE/ATE
MSSD		MASSIVE TO BEDDED SD

PLATE 3

091408

m 20 10 0 20 40 60 80 100 m

TO ACCOMPANY REPORT NO. 3-83 BY J.R.D.

ABERFORD RESOURCES LTD.

DDH SECTION 82-DH086 AND 82AWH086

OJV JASON PROJECT, MCMILLAN PASS

DATE	SCALE	NTS	DRAWING NO.
NOV., 1982	1:1000	105 O/1	X-1926

JCC

2200 N
2400 N
2600 N
6500 E
6400 E
167°
347°
6600 E
6500 E
81-DH068
80-DH063
82-DH087
2200 N
2400 N
2600 N
1300 m
1200 m
1100 m
1000 m
900 m
800 m
82-DH087
81-DH068
UNIT 2b
SOUTH ZONE 1
SOUTH ZONE 2
SOUTH ZONE 3
80-DH063
UDF
LDF
US1
LS1
US2
LS2
US3
LS3
TD 758.34 m

IGC GRAFLOG LEGEND

ENTRY / VALUE	GRAFLOG	DESCRIPTION
SHER		SHEAR
OVER		OVERBURDEN
LOST		LOST = NOT RECOVERED
MISS		MISSING = MISPLACED
TRIC		TRI-CONE DRILLED
WEDG		CORE GROUND (REAMING)
FAUL		FAULT
CHER		CHERT
ARGL		ARGILLITE, <5% SI, SN
ARSI		SILTY ARGL, 5-30% SI, SN
ARSN		SANDY ARGL >30% SN, SI
BRXX		BRECCIA
BRHM		HOMOLITHIC BRXX, AR: CH<5%
BRHT		HETEROLITHIC BRXX
BRPM		PEBBLY MUDS/SAND MTX BRXX
CGXX		CONGLOMERATE
CGCP		CHERT PEB CGXX, >75% CH
CGBR		CHERT PEB CGXX/BRXX
CGPS		CONGL-PEBBLY SS
CGSN		CONGL-SS FU SEQUENCE
SILT		SILTSTONE
SAND		SANDSTONE
DYKE		DYKE
LBSX		LAM/BANDED SULPHIDE/ATE
MSSX		MASSIVE SULPHIDE/ATE
FGSX		FRAGMENTED SULPHIDE/ATE
MSSD		MASSIVE TO BEDDED SD

PLATE 4

m 20 10 0 20 40 60 80 100 m

TO ACCOMPANY REPORT NO. 3-83 BY J.R.D.

ABERFORD RESOURCES LTD.

091428

DDH SECTION 82-DH087, 80-DH068 & 81-DH063

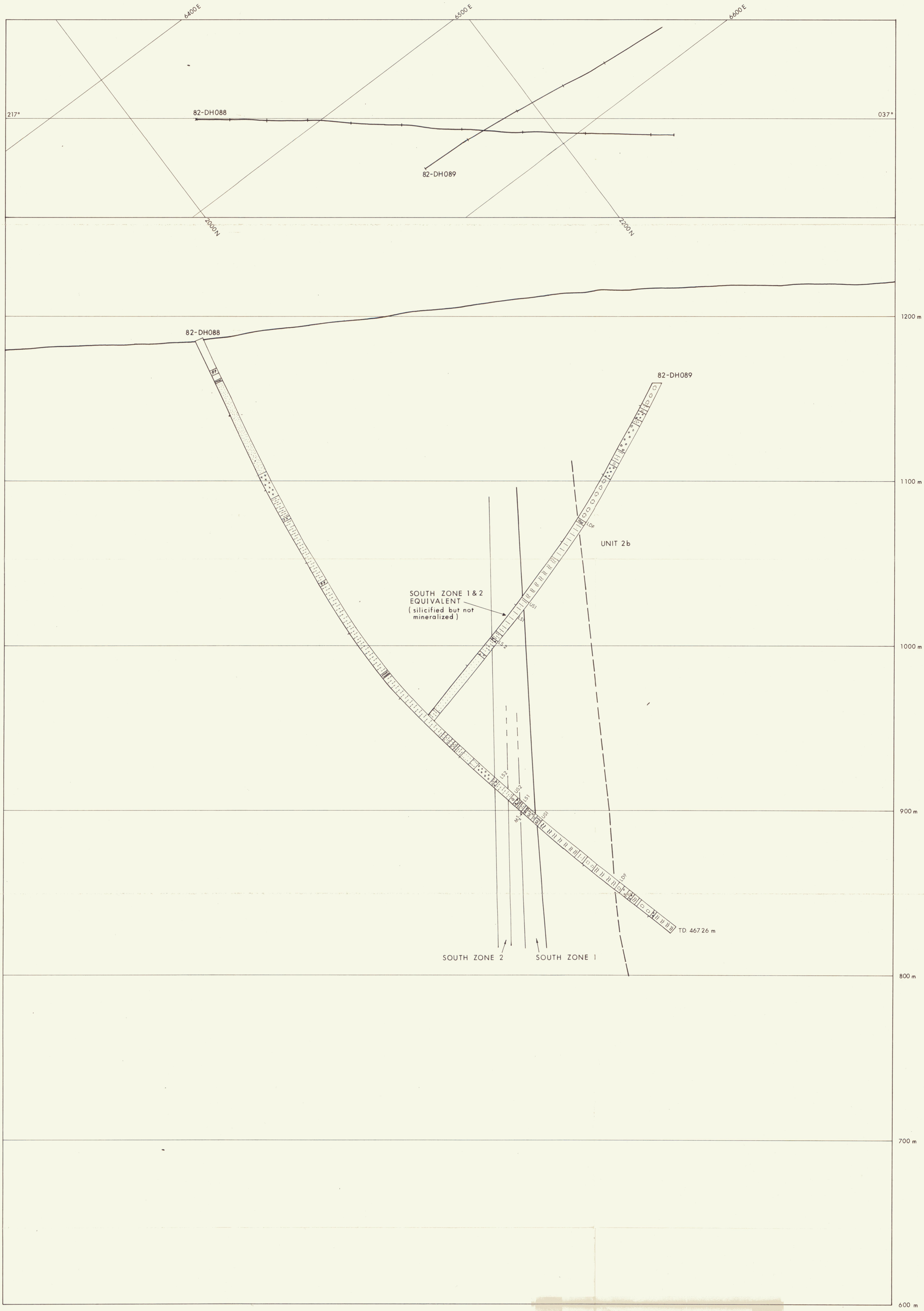
OJV JASON PROJECT, MCMILLAN PASS

DATE	SCALE	NTS	DRAWING NO.
NOV., 1982	1:1000	105 O/1	X-1927

JCC

DP - 5501 - B1 - P.O.O.

DP - 5561 - B1 - P.O.O.



IGC GRAFLOG LEGEND

ENTRY / VALUE	GRAFLOG	DESCRIPTION
SHER		SHEAR
OVER		OVERBURDEN
LOST		LOST = NOT RECOVERED
MISS		MISSING = MISPLACED
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CHER		CHERT
ARGL		ARGILLITE, <5% SI, SN
ARSI		SILTY ARGL, 5-30% SI, SN
ARSN		SANDY ARGL >30% SN, SI
BRXX		BRECCIA
BRHM		HOMOLITHIC BRXX, AR: CH<5%
BRHT		HETEROLITHIC BRXX
BRPM		PEBBLY MUDS/SAND MTX BRXX
CGXX		CONGLOMERATE
CGCP		CHERT PEB CGXX, >75% CH
CGBR		CHERT PEB CGXX/BRXX
CGPS		CONGL-PEBBLY SS
CGSN		CONGL-SS FU SEQUENCE
SILT		SILTSTONE
SAND		SANDSTONE
DYKE		DYKE
LBSX		LAM/BANDED SULPHIDE/ATE
MSSX		MASSIVE SULPHIDE/ATE
FGSX		FRAGMENTED SULPHIDE/ATE
MSSD		MASSIVE TO BEDDED SD

PLATE 5

m 20 0 20 40 60 80 100 m

TO ACCOMPANY REPORT NO. 3-83 BY J.R.D.

ABERFORD RESOURCES LTD. 091428

DDH SECTION 82-DH088,89

OJV JASON PROJECT, MACMILLAN PASS

DATE	SCALE	NTS	DRAWING NO.
NOVEMBER, 1982	1:1000	105 O/1	X-1928

GEW