

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

SYSTEMS ENGINEERING BY  
INTERNATIONAL GEOSYSTEMS CORP.AHERFORD RESOURCES LTD.  
JASON PH-ZN-AG-BA STF DEPOSIT, Y.T.

FORMAT VERSION : 6R02

DRILLHOLE/TRVERSE : 82-DH088  
TOTAL DEPTH/LENGTH : 467.26  
CORE/HOLE DIAMETER : NOCOLLAR ELEVATION: 1189.68  
NORTHING(- IF S): 7002029.84  
EASTING (- IF W): 436454.07AZIMUTH( DEG ) : 37.00  
VERTICAL ANGLE : -65.00  
CO-ORD SYSTEM : UTMGEOLOGGED BY : PCH +  
DATE (YY/MM/DD): 821010  
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		
R SVY	0.00	467.26		
R SVY	0.00	467.26		
R SVY	0.00	467.26		
PLOTING FILE				
THIS FILE CONTAINS THE FOLLOWING DATA:				
1) SINGLE-SHOT DATA FROM 0.0 TO 443.48 M.				
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

[illegible]

ABERFORD RESOURCES LTD.  
JASON PB-ZN-AG-CU STF DEPOSIT, Y.T.  
DRILLHOLE/TRAVERSE --- 82-DH088 --- (CONTINUED)

PAGE - 4

[illegible]

	TIME	DEPTH	LOG TIME	GR	SIF	LM	ST	R	RD		
/ L R	102.00	103.40	1.40	X ARGL GR 4A							>1
	102.00	103.40		BRECCIATED WALL ROCK INCORPORATED BY DYKE. LITHOTYPE SIMILAR TO THE FOLLOWING UNIT.							
/ L R	106.07	230.53	124.46	X ARGL GR 3A	SIF LM ST 1 1 1 1			P	1 RD	<)	S*
/ L R	106.07	230.53		THIS THICK UNIT IS TYPIFIED AS A SILICEOUS BLACK ARGILLITE, STRONGLY GRAPHITIC ALONG FRACTURE CLEAVAGE SURFACES. QUARTZ MICRO-VEINLETS FORM ALONG STYLOLITES CONFORMING TO PARTING SURFACES. SELVAGES OF PYRITE OCCUR WITH STYOLITES.							
/ L	111.25	111.25	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	75 <)	S*
/ L R	119.60	121.62	2.02	X DYKE FL 7G	EQ			R		I*	V*
	119.60	121.62		FELSITE DYKE.							
/ L	127.10	127.10	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	50 <)	S*
/ L	133.50	133.50	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	50 <)	S*
/ L	143.56	143.56	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	55 <)	S*
/ L	149.66	149.66	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	70 <)	S*
/ L	164.30	166.30	2.00	X SHER GR	GG5			R		V1	
/ L R	167.03	168.86	1.83	X SHER GR	GG1			R		<+	
	167.03	168.86		POOR RECOVERY. STRONG GAMMA RESPONSE - 100 CPS.							
/ L	176.78	176.78	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	70 <)	S*
/ L	186.23	186.23	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	55 <)	S*
/ L R	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 PRODUCING A CHOPPY GAMMA SIGNATURE. HOWEVER THE AVERAGE BACKGROUND OF 50 TO 60 CPS IS CONSISTENT WITH THE OVERALL PGI.							
/ L	207.72	207.72	0.00	X ARGL GR 3A	SIF LM ST 1 1 1 1			R	1 RD	50 <)	S*

ABERFORD RESOURCES LTD.  
JASON PB-ZN-AG-BR STF DEPOSIT, Y.T.  
DRILLHOLE/TRAVERSE --- 82-PH088 --- (CONTINUED)

PAGE - 5

[illegible]

/	217.93	217.93	0.00	X ANGL GR	SIF LM ST 1 1 1 1	R 1 BD	40 <)	S*
L				3A				

1	230.53	234.09	3.56	FAUL	GG5	P
---	--------	--------	------	------	-----	---

R	230.53	234.09	POOR RECOVERY.
---	--------	--------	----------------

```

/      234.09  283.16  49.07      ARGL      LM      0 0 X 0      P 0      D)
L
      4A

```

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	LM	0 0 X 0	R	0	BD	65	D)
L					4A							

1	252.68	252.68	0.00	X	ARGL	LM	0 0 X 0	R	0 BD	60	D)
					4A						

```

/      261.82  261.82   0.00          X ARGL          LM    0 0 X 0          R  0 RD          60          D)
|

```

272.19	272.19	0.00	X	ARGL	LM	0 0 X 0	R	0 RD	65	0)
				4A						

```

/      280.42  280.42   0.00          X ARGL          LM    0 0 X 0          R 0 BD          70          D)
|

```

1	283.16	285.60	2.44	SAND	// LM 3 3 X 3	P 6 RD	70
1				8A	8 C		

```

/      285.60  289.60   4.00      ARGL      SN+ LM      0 0 X 0      P 0 RD      67
/

```

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	// RU 2 3 9 5	P 6 RD	67
L				8A	8 C		

291.44 293.83 2.39 ARGL SN) LM 0 0 X 0

R	291.44	293.83	MINOR SANDSTONE INTERBEDS 5 CM THICK.
---	--------	--------	---------------------------------------

/	293.83	295.45	1.62	SAND	MX RU 3 4 5 5	P 6 BD
L				8A	8 C	

```
K F R O M - T O - I N T R E C V MD % ROCK IM TM RM1 TX TX F C % M A R G RI 1 ID AZH 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 RM2 TX TX S C O O CHT 2 ID AZH DIP MG MU CL SD QS HA PR MT SL HA
```

/	295.45	299.92	4.47	ARGL	HR	P	B)
---	--------	--------	------	------	----	---	----

L			4A	
N	295.45	299.92	LOCALLY BRECCIATED	PYRITE FILLING CRACKLE FRACTURES.

1	299.92	306.63	6.71	SAND	MX RU 2 3 8 6	P 7 BD
---	--------	--------	------	------	---------------	--------

L	R	7A	7	C
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*
			FL 76				

1	306.63	310.99	4.36	SAND	MX RU 3 4 8 6	P 6 8D
---	--------	--------	------	------	---------------	--------

	306.63	310.99		7A	B	C
L						
R	306.63	310.99	TWO SANDSTONE BEDS SEPARATED BY THIN ARGILLITE INTERBED.			

/	310.99	315.47	4.48	CGR	M;	MO4	P	D
---	--------	--------	------	-----	----	-----	---	---

	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.

L	315.47	319.80	4.33	CGR	*S)	N04	P
R	315.47	319.80		5A		4	) C M03
				POORLY SORTED. SLIGHT INCREASE IN CHERT AT BOTTOM OF INTERVAL.			

	319.80	324.10	4.30	CGRR	M; TS	N02	P	D
L				SA	7	C M04		
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.

1	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	<)	<)
---	--------	--------	-------	---------	---------------	-----	----	----

	6A	BR VG	
L			
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		L04	P
L						SA		SN1	1		

ABERFORD RESOURCES LTD.  
JASON PR-ZN-AG-RA STF DEPOSIT, Y.T.  
DRILLHOLE/TRAVERSE --- 82-DH088 --- (CONTINUED)

PAGE - 7

[illegible]

R	338.90	341.10	THE UNIT IS DIAGNOSTIC FOR THE FOLLOWING REASONS:
R	338.90	341.10	1) PRESENCE OF SUBROUNDED, ROUNDED TO RECTILINEAR SHAPED
R	338.90	341.10	SIDERITIC CLASTS WITH INCLUSIONS OF ANGULAR ARGILLITE GRIT
R	338.90	341.10	SIZED FRAGMENTS.
R	338.40	341.10	2) APSENCE OF CLASTS.
R	338.90	341.10	*CORRELATION: THIS UNIT BEARS A GREAT RESEMBLANCE TO A SIMILAR
R	338.90	341.10	FACIES ENCOUNTERED IN 82-DH087.
R	338.90	341.10	*INTERPRETATION: THE MULTI-SHAPED SIDERITIC CLASTS APPEAR TO BE
R	338.90	341.10	DERIVED LOCALLY FROM A REWORKING OR BRECCIATION
R	338.90	341.10	OF A SIDERITE VEIN SYSTEM. THE BRECCIATION MAY
R	338.90	341.10	RESULT FROM SYNTECTONIC FAULTING DURING OR
R	338.90	341.10	PRECEDING LITHIFICATION OF THE HOST UNIT AND
R	338.90	341.10	PRECEDING THE VEIN EMPLACEMENT. STATIGRAPHIC
R	338.90	341.10	CORRELATIONS INDICATE THAT THE SENSE OF EARLY
R	338.90	341.10	FAULT MOVEMENT IS SURPARALLEL TO REDDING AND
R	338.90	341.10	SPATIALLY LOCATED SUBADJACENT TO THE ORE ZONE
R	338.90	341.10	STRATIGRAPHY OF SOUTH ZONE ONE.

L	341.10	342.70	1.60	RRPM PY	SN1	N04	P	#1	#+
R	341.10	342.70		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.						

1	342.70	344.10	1.40	CGCP	K M 4 N	P	R* R*
L				6A	7 C		R*

L	344.10	344.90	0.80	BRHM PY	NOR	P	<)	#1	#+
R	344.10	344.90		4A *S= 5	C	KM+			
R	344.10	344.90		MINERALIZATION IS LOCALLY PERVASIVE, OCCURRING AS CLUSTERS AND BRECCIA MATRIX FILLING.					

/	344.90	346.40	1.50	SAND	MX FU H K 1 N	P	>+	D1
L				SA	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 LSI	346.40	346.40	0.00
-------	--------	--------	------

	346.40	348.10	1.70	ARGL SF	HR 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	HR 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.					

## G E O L O G

ABERFORD RESOURCES LTD.  
JASON PB-ZN-AG-BR SIF DEPOSIT, Y.T.  
DRILLHOLE/TRVERSE --- 82-DH088 --- (CONTINUED)

PAGE - 8

K F F R O K - 1 0 - I N T R E C O V M D % R O C K T M T M Q M 1 T X T X F C % M A R G R I 1 I D A Z M D I P Q Z F L C Y C A B A X X P Y C P G L Y Y A 1 A 2													
E - L -	R Q D A G E E V R Q L C T M Q M 2 T X T X S C O O C H T 2 I D A Z M D I P M G M U C L S D Q S H A P R M T S L H A												
Y G													
R	344.10	349.20	VEINS ARE WEAKLY MINERALIZED AND CONTAIN SOME VEIN WALL										
R	344.10	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	EUBEDRAL. 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	D+	D)			
L						KL)							
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	D)				
L						KM*		D+	D)				
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	D)	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 REDDING HABIT.										
/	360.40	362.78	2.38	MSSX		LM=	P	D)	M8	D)			
L									D)	D1			
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+						

## G E O L O G

ABERFORD RESOURCES LTD.  
JASON PB-ZN-AG-Ba STF DEPOSIT, Y.T.  
DRILLHOLE/TRAVERSE --- 82-DH088 --- (CONTINUED)

PAGE - 9

K F F R O M - T O - I N T R E C O V				M D % R O C K I M T M Q M 1 T X T X F C % M A R G				R I 1 I D A Z M D I P Q Z F L C Y C A B A X X P Y C P G L Y Y				A 1 A 2			
E - L -				R D D A G E E V R D L C T M Q M 2 T X T X S C O O C H T				2 I D A Z M D I P M G M U C L S D Q S H A P R M T S L H A							
Y G															
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 RD		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 M01							
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+		N08		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		O O X O		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						M09		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	
L				4A						JL)				C* C*	
R	452.63	467.26		SLIGHTLY DISRUPTED ARSI WITH MINOR CHERT IN MATRIX. CONSISTENT											
R	452.63	467.26		CORE ANGLE BEDDINGS.											