09128G

CORDILLERAN ENGINEERING LIMITED

DIAMOND DRILL SUMMARY RECORD

OJV - JASON 1978

HOLE No.	NORTHING	EASTING	ELEVATION M	SECTION	INCLINATION	AZIMUTH	OVERBURDEN	CLAIM	% RECOVERY	DATE STARTED	DATE FINISHED	REMARKS	TOTAL DEPTH
78-27	7002476.56	436828.70	1213.26	-	collar -70° 700'-59°30'	360° 27°	5'	Jason 55	86.9	June 1 D	June 9 D	HQ - L 38	726'
78-28	7002337.91	437109.84	1155.67	-	collar -70° 1200'-39°30'	350° 45°	22'	Jason 55	93.3	June 4 N	June 21 N	HQ - L 44	1,205'
78-29	7002528.25	436463.20	1286.88	-	collar -50° 299' -42°	180° 174°	29'	Jason 57	88.5	June 11 D	June 15 D	HQ - L 38	299'
78-30	7002417.90	436480.62	1261.76	-	collar -51° 845' -50°	178° 170°	Tricone to 50'	Jason 57	94.3	June 15 N	June 27 D	HQ - L 38	845'
78-31	7002298.44	436849.19	1186.89	-	collar -70° 2032' -43°	6° 52°	86.5'	Jason 56	86.9	June 29 D	Aug 9 D	HQ - L 44	2,032'
78-32	7002334.30	436489.19	1240.15	-	collar -50° 400' -44°	180° 170°	140'	Jason 58	89.8	June 30 D	July 8 N	HQ - L 38	400'
78-33	7002368.00	436380.78	1246.31	-	collar -60° 500' -61°	180° 179°	70'	Jason 57	85.8	July 10 N	July 17 D	HQ - L 38	507'
78-34	7002168.60	436587.20	1202.97	-	collar -55° 500' -52°	358° 16°	80'	Jason 58	79.6	July 19 D	July 29 D	HQ - L 38	506'
78-35	7002646.00	437132.43	1171.55	-	collar -51° 400' -47°	272° 285°	38'	Jason 36	86.0	Aug. 14 D	Aug. 20 D	HQ - L 44	437'
78-36	7002644.59	437263.12	1157.45	-	collar -51° 755' -31.5°	269° 281°	14'	Jason 36	84.7	Aug. 21 D	Aug. 28 D	HQ - L 44	755'
78-37	7002644.07	437249.35	1158.98	-	collar -50° 180' -46°	90° 84°	22'	Jason 36	90.4	Aug. 29 N	Aug. 31 D	HQ - L 44	180'
78-38	7002540.21	437185.40	1155.26	-	collar -55° -	345° -	44'	Jason 36	77.4	Sept. 1 D	Sept. 2 N	HQ - L 44	100'
78-39	7002563.95	437179.84	1156.61	-	collar -45° 225' -41°	165° 156°	45'	Jason 36	78.3	Sept. 3 D	Sept. 6D	HQ - L 44	225'
78-40	7002489.92	437168.33	1155.87	-	collar -55° 315' -48°	56° 51°	36'	Jason 36	74.3	Sept. 7D	Sept.11D	HQ - L 44	320'
78-41	7002206.70	436465.28	1209.67	-	collar -55° 470' -53°	45° 46°	75'	Jason 58	78.1	Sept. 12N	Sept.19D	HQ - L 44	475'
78-42	7002186.90	436511.00	1204.17	-	collar -55° 460' -55°	45° 44°	57'	Jason 58	66.8	Sept. 20N	Sept.29D	HQ - L 44	470'
78-43	7002103.00	436581.00	1196.74	-	collar -55° 620' -46°	45° 45°	78'	Jason 58	68.6	Oct. 1 D	Oct. 11D	HQ - L 44	630'
												TOTAL	10,112'

09286

DIAMOND DRILL CORE LEGEND

ARGILLITES

Shaly rocks which have undergone a moderate degree of induration. Colors range from light grey to black, compositions vary from calcareous, siliceous, carbonaceous, to argillaceous and there are often alternated or interlaminated siltstones and/or sandstones.

A-1 massive, generally carbonaceous

A-1-a massive, with occasional laminations or beds of fine sandstone and/or siltstone, totalling less than 5 volume percent, and mostly less than 1 centimeter in thickness

A-1-b massive, with local bands of ripple cross laminated sandstone, totalling less than 5 volume percent, 0.5 centimeter to 3 centimeters thick, occasionally to 25 centimeters. The sand bands are of irregular thickness and appear biscuit shaped in cross section. Occasional laminations or beds of fine sandstone and/or siltstone (less than 5 volume percent) may be present.

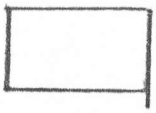
A-2 finely laminated, with thin, faint, parallel laminations siltstone and/or fine sandstone.

A-2-a finely laminated, with thin, faint, parallel laminations of siltstone and/or fine sandstone, plus less than 5 volume percent of parallel laminated sandstone interbeds, mainly about 1 centimeter in thickness.

A-2-b finely laminated, with thin, faint, parallel laminations iof siltstone and/or fine sandstone, plus greater than 5 volume percent of parallel laminated sandstone interbeds, mainly about 1 centimeter in thickness.

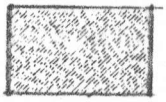
A-2-c finely laminated, with thin, faint, parallel laminations of siltstone and/or fine sandstone, plus less than 5 volume percent of ripple cross laminated sandstone bands, generally less than 2 centimeters in thickness. The sand bands are of irregular thickness, and appear biscuit shaped in cross-section.

A-3 massive, or finely laminated, with thin, faint parallel laminations of siltstone and/or fine sandstone, plus less than 5 volume percent of ripple cross laminated sandstone bands, generally less than 2 centimeters in thickness. The sand bands are or irregular thickness, and appear biscuit shaped in cross section.



SILTSTONE

Silt: grain-size, ranging from 0.01 millimeter to 0.1 millimeter. Mainly massive, moderately to poorly sorted, and carbonaceous.



SANDSTONES

SS-1: massive, well sorted. In the Bouma sequence, rock type A.

SS-2: parallel laminated, well-sorted. Sandstone laminations up t 1 centimeter thick. In the Bouma sequence, rock type B.

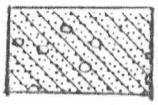
SS-3: ripple cross-laminated. Ripple foresets are less than 1 centimeter thick. Generally fine to medium grained and well sorted. In the Bouma sequence, rock type C.

SS-4: mainly massive or parallel laminated, exhibiting grading over intervals from a few centimeters to more than 1 meter in thickness. Often grading from a conglomerate of similar composition.

SS-5: pebbly sandstone; mainly massive sandstone containing up to 25 volume percent of fragments larger than sand size, of variable composition. Often intermediate between conglomerate and graded sandstone.

The grain size range is given after the rock type symbol:

f: denotes grains 1/32 to 1/8 millimeter in diameter
m: denotes grains 1/8 to 1/2 millimeter in diameter
c: denotes 1/2 to 2 millimeters in diameter



CONGLOMERATES

Conglomerates are defined as rock types contaiing more than than 25 volume percent of fragments greater than sand size (2 mm Ø), and having more than 10% of these fragments of roundness greater than 0.3. Fragments of different compositions generally display differing degrees of roundness; argillite typically being most angular and cherty material being most rounded. Matrix material is generally sand size. Silica and/or siderite cement is common.

CC-1: massive, containing less than 3 volume percent of argillite clasts. The remaining clasts are varied in composition, but are mainly cherty material or siltstone.

CC-2: massive, containing 3 to 10 volume percent of argillite clasts. The remaining are varied in composition, but are mainly cherty material or siltstone.

CC-3: massive, containing greater than 10 volume percent of argillite clasts. The reamining clasts are varied in composition, but are mainly cherty material or siltstone.

Conglomerates are sometimes graded to pebbly sandstones and/or sandstones of similar composition, over intervals from several centimeters to more than 1 meter in thickness.

The fragment size range is given for Conglomerates following the rock type symbol, and grading is noted where present.

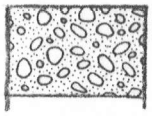
S: denotes clasts 2 to 8 millimeters in diameter
M: denotes clasts 8 to 16 millimeters in diamter
L: denotes clasts 16 to 64 millimeters in diameter
E: denotes clasts greater than 64 millimeters in diameter.

Fragment types are noted in brackets after the size range, and the type of matrix is given where applicable.

e.g. C-3 (L-E) (A-2-a, A-3) SS-1 (f) matrix

or written as

C-3-L-graded
Mtx: SS-1-f
Fgt: A-2-a 10 Chert 30 (4 cm Ø)



BRECCIAS

Breccias are defined as rock types containing more than 25 volume percent of clasts greater than sand size (2 mm), and having less than 10 percent of these clasts of roundness greater than 0.3.



B-1: Breccia, argillitic matrix with fragments of argillites, varied in size and quantity, but generally between 2 millimeters and 20 centimeters in diameter, and less than 40 volume percent.

B-2: Breccia; argillitic matrix with various fragment types, generally between 2 milllimeters and 20 centimeters in diameter. Fragments consist mostly of argillites (less than 30 volume percent) and cherty material (less than 5 volume percent)

B-3: Breccia; sand to pebble size matrix of variable composition, containing conspicuously larger fragments of argillites, generally 3 to 10 centimeters in diameter, and commonly 10 to 20 volume percent.

B-4: Breccia, sand to pebble size matrix of variable composition, containing conspicuously larger fragments of assorted rock types, generally 3 to 10 centimeters in diameter. Quantities of fragments are variable, but argillite clasts usually make up the greatest percentage.

B-5: Breccia, matrix of one of the above rock types, B-1, B-2, B-3, or B-4, or variable composition and grain-size range, containing conspicuously larger fragments of argillites, generally from a few centimeters to several tens of centimeters in diameter.

B-6: Breccia, matrix of one of the above rock types, B-1, B-2, B-3, or B-4, of variable composition and grain size range, containing conspicuously larger fragments of assorted rock types (such as argillites, sandstones, conglomerates, breccias, etc.) generally from a few centimeters in diameter.

The fragment size range is given for Breccias, following the rock type symbol, and grading is noted where present. Refer to fragment size table under Conglomerages.

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 | CLAIM: Jason-55 | PROPERTY Jason | PAGE No. 1 of 15

CORE SIZE HQ | AZIMUTH Collar 213.41m 360° 27° | ELEV. COLLAR 12.13.76 | LOGGED BY K.I. Lu & J. Rowe

ANGLE of HOLE Collar 213.41m -70° -59°30' | TOTAL DEPTH 221.28m | NORTHING 7002476.56 | DATE BEGUN Jun 1st FINISHED Jun 9th, 1978

SECTION | % RECOVERY 86.9% | EASTING 4368 28.70 | CORE STORED AT Jason Property

COMMENTS: Stick up 0.6m | SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
0m							overburden						
							2.20 B-1.-E (boulder) Fgt: assorted Arg 60~90 (1cm~3cm), upper part larger fgt 40~60cm max. 1.4m across						
5							large plates few matrix						
							6.1 one boulder						
							7.5 larger plates						
10													

Sperry Sun Test Results

Depth (m)	Inclination	Azimuth
Collar	-70°	360°
9.15	70°	356°
21.94	69°30'	355°
50.44	69°	359°
91.46	68°	15°
121.95	64°	22°
152.44	62°	24°
182.93	59°30'	23°
213.41	59°30'	27°

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 2 of 15

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G6 / G7						12.3 – 12.6 gouge, clay & Arg fine fgt. fault (8)								
							ditto (B-1-E boulder)								
	G5		Py												
15			some				finer fgt (1~3 cm ϕ, max 15 cm) matrix 35~40								
	"		"												
	"														
	G0	26°					18.6 60 cm plate breccia	Transition zone?							
20							19.8								
	G5	40°	Py				A-2-a								
			1~2				• thin SS and/or Py (fine grained mostly) layers (0.5 mm ~ 4 mm few 6 mm) lam. lower part more py layers.								
	"	40°	lam				• some biscuite-shaped sand bands (<1 cm) showing A-2-c type rock.								
			Py				• several faint boundary fine grained py beds (<0.5 cm)								
	"	36°	6 ~ 5% lam												
25															
	"	40°	Py 7.5% lam												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No 78.27 CLAIM: PROPERTY: Jason PAGE No. 3 of 15

SECTION m	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	Gs						ditto (A-2-a) ~A-2-b in local								
	"						28.8 B-1-E (cobble)								
30			Py 2 3				Fgt Arg 50~60 (4~6cm common 20cm few)								
	"		Qz 1% Sd												
	"						33.5 B-2-L								
			Py 3 Py 1% 2~3%				Fgt Arg 50~55 (1~2cm ϕ, max 6cm) Cht 5 (<3cm) many pyritized, & few Py fgt								
35							35.0 B-1-E (boulder)								
	"		Py lam				Fgt Arg 60 (5~15cm common, up to 60cm across)								
							• Py lam. Arg fgt frequently found								
	"		2~3 %												
40							40.6 B-5-L								
							See next page								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 27 CLAIM: PROPERTY: Jason PAGE No. 4 of 15

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
m															
	G5		Py				B - 5 - L Mtx: B-2-m (cht 5~7 ≤1 cm, two 1.5 & one 2.5 cm φ fgts) Fgt: Arg 50~60 (4~6 cm φ) • Py lam Arg fgts common, some faint boundary bedded py fgt and Py nodules								
45	G4		Py 3 fgt		△		• lower part matrix increasing and fgt size decreasing → Fgt 35~40%, 2~4 cm φ and matrix: B-2 (Fgt 20~30 with Arg >> cht 2-3)								
	G5		Py nod		△										
							47.2 — B - 1 - m Fgt Arg 60 (0.5~1.5 cm φ few 2 cm φ)								
							48.0 — A - 2 - C ~ A - 3 • A-2 type rock with ≤0.5 cm sand bands frequently intercalated (4~7 vol%)								
	G5	23°	Py fgt 1												
50		25°	3%												
			3%		△		fractured & clay in filled • middle part less sand band (<3 vol%) and decreasing quantity downward.								
	"	25°	1 3%		△		• lower part occasionally 1 cm thick sand bands intercalated								
	"	26° 26°	3		△		• Py lam common								
55	"		5%	S	45°		brecciated & broken sheared zone?								
		34°	1 3%		△										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 5 of 15

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

ditto (A-2-c)

57.9

B-1-E (Cobble)

Fgt: Arg 80-90 (5~10 cm ϕ)

- increasing matrix downward and some rounded fgt & cht fgt

60

60.6

A-1 and 2~5 cm thick B-2-m-s beds or lenses interrelated and contorted

- B-2-m-f = Arg 30-60 Cht 10-30 Py 5-15 up to 1.5 cm ϕ.
- A-1 = Carbonaceous

62.5

B-5-E (boulder)

Mtx: B-2-L (Arg 40-60 2~2.5 cm ϕ, cht 5+ <1 cm ϕ)

Fgt: Arg 30 (5~15 cm, max 25 cm)

65

65.4

B-1-E (boulder)

or locally brecciated A-2-c.

[Arg. plates 30 cm ~ 60 cm (?) (broken & fractured, hard to figure out original rock.]

brecciated

68.6

B-5-E (boulder)

Mtx: B-2-m (cht 40-60 1~2 cm ϕ pyB; and Arg 30 1 cm ± ϕ)

Fgt: Arg 30+ plates bladed etc up to 50 cm+ across

70

typical B-5 rock

71.6

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 6 of 15

COMMENTS:

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G7		Py				B-2-L~S intercalated(?) with carb. Arg (A-1) and contorted some						
	G6						• B-2-L~S = Fgt: Cht 5~30 Arg 50~80 Py 5~20 (2~3 cm ϕ to <0.5 cm)						
							sandy mudstone bands						
							• some sandy mudstone bands in carb sh (injection-like)						
75			Py				Py 20%						
	G4						75.8						
	G3		Q2				B-5-L Mtx: B-2-S. (Cht 50 Arg 40 Py some, <0.6 cm) Fgt: Arg 30± (2~3 cm ϕ) coarser downward						
	G2	34°					77.0						
							SS-2-C~m-(graded, one) n mm ~1 cm or more thickness) *** [correlated to DDH 77-26 136.20m – 137.40m]						
			Q2				78.0						
							B-2-m [Fgt: Cht 50 Arg 40 <1.5 cm ϕ rare 2 cm ϕ; orientated]		marker bed "B"				
							78.6						
							B-2-L gradually change to B-6-E (boulder) at lower. MTX: B-2-L: (Cht 60 Arg 20± 4~5 cm ϕ) Fgt: Arg 30-40 1 cm x 6 cm or 8 cm across etc. Cht some 4 cm ϕ±						
80							B-6-E		plates of underlain SS-2-C~m rock included				
							80.5						
							SS-2-C~m (n mm thickness)						
		34°					80.9						
							SS-2-C~m alternated with Arg (bed? or plate? 1~1.5 cm thickness)						
							81.9						
							B-6-E (boulder) Mtx: B-2-L (Cht 50~60 1~2 cm, Arg 20~30 4~5 cm) similar to above rock (78.6m ~ 80.5m) Fgt: Arg 30± (8~10 cm, few 30 cm one 90 cm across) Cht some (4~5 cm ϕ)						
85							85.7						
							B-6-E (cobble)						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 27 CLAIM: PROPERTY: Jason PAGE No. 7 of 15

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
m	P&C						B-6-E (cobble)								
							MTX: B-2-m (Fgt: Cht50 Arg30 Py5+; ≤15 cm ϕ)								
	G8						Fgt: Arg40 (18~20 cm) Cht5 (2~4 cm)								
	P&S						• Two large Arg plates 60 cm & 80 cm across respectively								
90															
	G8						91.0 ditto, but Matrix: finer, less cht. as B-2-S or pebbly mudstone and Fgt ≤15 cm ϕ								
	P&S		Py 3 ~ 5 %				92.2 B-6-L								
							MTx: B-2-m (cht50 Arg40)								
							Fgt: Arg30 cht15 (2~6 cm)								
							• one 1.8 cm x 12 cm plate of Arg at lower part.								
95															
							95.6 Transition zone (Mtx increasing upward)								
							96.0 B-5-E (cobble)								
	G5						Mtx: B-2-S (Arg >> cht > Mtx)								
	"						Fgt: Arg 85~90 (3~6 cm ϕ, 8~10 cm some)								
							• Typical B-5 rock								
	"														
100							100.3 B-5-E (cobble)								
	P&S						Mtx: B-2-L (cht60 Arg30 <2 cm) orientated								
							Fgt: Arg [illegible]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 8 of 15

SECTION (m) | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

102.0

B-6-E (cobble)

Mtx: B-2-L (cht 50 Arg 30+ 1~2 cm ϕ common some 2~3 cm)

Fgt: Arg 10-20 (5~8 cm ϕ several 12 ~15 cm length plates)

105

106.9

SS-2-c~f-graded and B-2-S altn.

- compositions of bed are varied,
- some beds higher matrix content.
- one 40 cm thick B-2-E (cht 20 Arg 45 ≤2.5 cm ϕ, one 14 cm across)

Marker Bed "A"

B-2-E (cobble) 108.4

109.0

B-4-L - graded at upper

- c.ss matrix with cht 40, Arg 45 Py some (≤2 cm ϕ)

109.6

B-6-E (cobble)

Mtx: B-2-L (cht 30 Arg 50, <2 cm Py some)

Fgt: Arg 25~30 (3~7 cm ϕ some 10 cm +) cht 7~10 (5 cm ϕ)

110

111.1

Fgt smaller up to 8 cm ϕ

112.5

B-5-E (boulder)

mtx: B-2-m (cht 30 Arg 40 Py 3~5, <2 cm ϕ)

Fgt: Arg 70~80 (3~5 cm ϕ common max 35 cm across)

114.6

115

115.0

B-1-m (underlain A-2-c rock bree.) transition zone

A-2-C

- Sand band <1.5 cm 3~5 Vol%

116.35

B-5-E (cobble)

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 27 CLAIM: PROPERTY: Jason PAGE No. 9 of 15

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED

SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-5-E (cobble)
Mtx: B-4-L (55-5-S mtx with cht≥20 Arg≤30 Py≤2 <2.5cm ϕ)
Fgt: Arg 30~40 (5~8cm ϕ, max 15cm) at upper
and Arg 60 : 5~10cm ϕ one 18cm ϕ) at lower
more large Arg fgt.

118.7

A-2-C
Sand bands <6mm thickness, <1 vol %

120.0

B-4-L
Mtx: SS-5-S (<8mm cht ≥ Arg)
Fgt: cht≥ Arg 30% S.S. some 3~5cm ϕ

increasing large fgt. -- transition to --
B-5-E (cobble) Mtx similar to overlain rock (B-4-L) but larger Fgt size to 5~10cm of Arg 50%

122.2

B-6-E (boulder)
A-2-C boulder Mtx: many kind rocks, moisture, hard to distinguish
Fgt: one large A-2-C boulder (60cm across)

123.45

B-2-L - graded to pebbly mudstone

123.73

A-1
carbonaceous
Mtx: B-2-S

124.5

B-5-E - graded

125.0

A-1 ~ A-1-a

- carbonaceous
- locally fain, thin, parallel lam. some
- occasionally, ≤2mm thick, py+ breccias of fine cht (≤1mm ϕ) thin layers intercalated.

- at 125.44 m: 6cm of B-2-L (Arg 80 Py≤5 cht few <2cm ϕ) bed
- at 126.4 m: 4cm of B-2-m (Arg 90, <1cm ϕ, cht few <2mm)
- at 130.8 m: 5cm of B-2-L (Arg 50, ≤2cm ϕ Py≥0 cht≥0 <8mm)

130.8 -- B-2-L (5cm)

131.7

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 27 CLAIM: PROPERTY: Jason PAGE No. 10 of 15

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
m															
135	G7						B - 6 - E (boulder) Mtx : B - 2 + L (cht25 , 1~2 cm φ rare 2.5 cm φ, Arg 50 , ≤ 3 cm φ , Py 3~5 ≤ 0.5 cm φ) Fgt : Arg 30+ (3~5 cm φ few 10~15 cm, one 25 cm) cht some (max 7 cm φ) Py few (one 4 cm φ) others (F) - B-2-S few one 15 cm across. • Due to fgt sizes ranging frome fine to coarse (Cobble size) and some other Breccia fgt mixed. it is difficult to distinguish matrix & fgt. It is also possibly more than one unit. providing complexity							
							Plate of B-2-S lam. Arg. showing stratigraphic top to Hole bottom								
							139.25 SS-2-C~f finely lam. one bed 1.2 cm thick • upper 15 cm. Qz veinlets bundle contains Sp. Gl and Bar xstals								
							139.72 A - 1 • silty								
140	G8						140.50 B - 5 - L - graded (C.ss + Py matrix with								
							140.80 B - 6 - E (boulder) Mtx: B - 2 - L (cht. 15~20 Arg 30 ≤ 2 cm φ) Fgt : Arg 30 (4~6 cm φ, few 10 cm φ max 60 cm) Others 40 (B-5-L & B-2-m-grad B-1-L SS-2-C etc. 10~30 cm across) • similar to above (131.7 ~ 139.25 m) B-6-E complicate rock.								
145							145.0 B - 6 - E (boulder) Mtx : B - 2 - L (cht 45~50 Arg 20~30 ≤ 3 cm φ) Fgt : Arg 20 (3~5 cm φ some x 2 cm one 80 cm across) [illegible]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 11 of 15

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
			Py				ditto (B-6-E boulder)						
							148.0						
							A-2-C • sand bands ≤2mm, 1~3 vol% • several py layers or Py dissem beds max 2 cm width • at 149.2m~149.5m, B-2-L (Cht50 Arg30 <2 cm ϕ) bed intercalated.						
	75		Py				149.2 B-2-L 149.5						
150	"		Py				150.3						
							SS-2-C-f-graded. • bed thickness ranging from 11mm~1cm		Marker Bed O				
	G2	26	Py				151.04						
		32					B-4-L-graded. (possibly two 2 units) Mtx. SS-5-S (Cht5~10 <8mm ϕ). Fgt: Arg30 (max. 3cm ϕ finer upward)						
							151.79						
	PES	37	Py 15				152.00 A-1-a						
							B-4-L-graded at upper (similar to above 151.04~151.79, but more Py)						
							152.4						
	G9	37					A-1-a • few silt beds at upper one 1cm thickness • at 153.7~154.0m, B-2-m (Cht70 Arg15, Py5-7 <1.5cm ϕ) few pieces of Arg rip-off shaped fgt. mixed max. 4cm across graded. like ⑥ • at 154.1m, 7cm thick SS-2-m-f graded						
	black	⑥	Py 5-7				153.7 154.0 B-2-m 154.1 SS-2-mf						
		36					154.8						
155	"	36					SS-2-C-f • 11mm~4cm or more thickness						
	G4		Py										
	G5		3-5				156.97						
				f? ⑤			poor recovery (<20%) few fgts of Argillite & Breccia rock possible fault ⑤						
							158.2						
							A-2						
	G4	48					159.2						
		48					B-4-E (cobble) Mtx: Sandy mudstone (Cht10% ≤2mm) Fgt: A-2 80 (2~3cm ϕ one 15cm) - overlain rock, A-1 same (<3cm ϕ)						
160	Pes		Py 5-3				160.2						
	black						A-1(-a) • Carbonaceous, two 1mm clay bands one Py. diss band (1.5cm, 10%) in middle						
	G7		Py 46				161.65						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 12 of 15

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	PRS						B-2-L Fgt: Arg 50 Cht 5~7 Py 3~5 ≤1.5 cm φ at upper half and coarser (2~3 cm φ with sereral 8~12 cm φ) at lower half (more Arg at lower part)								
	G7						163.4								
							B-3-E (cobble) MTX: ss-f-s (cht 5 < 1 mm φ) ~ C.ss. Py 10+% Fgt: rip-up clast of irregular-shaped Arg fgt 10%+ 1~10 cm across • two units?								
165			Py 10+%				165.6 —↑finer upward								
							B-2-m - graded cat top) Fgt: cht 60 (Qyz common) Arg 20+ • fairly siliceous & porous.								
			Py 3~5%				166.65								
	G5 G6	12°					A-1-b • sand bands (+Py) < 0.5 cm, 1~2 vol%								
							167.84 gradual transition								
							A-2-a • rarely sand bands (+ py) < 3 mm intercalated at lower part								
170		13°													
							171.2 gradual transition								
		15°					A-2-c • sand bands < 1 cm, increasing downward to 4~7%								
							172.3 slightly disturbed								
		14°					A-3 • Sand bands 2-4 cm often 7~10 vol% or more • max sand band 12 cm (at 176.0 m.)								
175		17°	Py 1%												
							176.8								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 27 CLAIM: PROPERTY: Jason PAGE No. 13 of 15

COMMENTS:

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G5 6	17°	Pyd				A - 2 - C. • Sand band (max 6 cm) occasionally intercalated. (3~5 %), few pylam.						
180	G6	44°	Pyd 10 cm 8 cm				Sheared high broken (fault? ③) 180.05 — upper 10 cm Py lam Arg (Py 25~30%) lower 8 cm Qz vlt cluster 180.23						
	G4		Pylam				A - 1 - a • fairly broken, Py finely lam locally (sp specs) • at 180.9~181.0 m B-2L (Arg 30 Cht 60 < 2 cm ϕ one 4 cm Arg)						
							181.90 — loose sand: Py 60 + Qz + Arg & bar? 182.1						
							B - 5 - L Mtx: B-2-m (Cht 40 Arg 50 < 1.5 cm ϕ) Fgt: 8~10 cm Arg three pieces 182.9						
							B - 5 - E (cobble) Mtx: B-2-m (Cht 50 Arg 35 Py some ≤ 8 mm ϕ some 1 cm ϕ --- at upper half ≤ 2 cm ϕ some 3 cm ϕ --- at lower half Fgt Arg 20 4~6 cm ϕ, one 15 cm ϕ mostly at lower half. upper half finer.						
185							coaser matrix 185.8						
	G4	38°					SS - 2 - c~f with one B-2-S (Arg >> cht) 3 cm intercalated 186.8	186.84					
	G7	36° 28° 25°	Qz clay stockwork				highly broken A - 2 (A - 2 - c locally) • fairly broken, (especially upper part) and Qz veinlets stockwork. clay mineral common	78.4					
	G5							188.37 44.0	188.0 (1.0m) 12363*	ppm 46	ppm 276		
190								189.28 43.5	189.0 (1.0m) 12362*	59	221		
		20°						190.20 98.9	190.0 (1.0m) 12361*	84	198		
								191.11	191.0 (1.0m) *	82	[illegible]		

* denotes assay [illegible] samples [illegible] ppm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER (m)	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag	Specific gravity: ORE	PULP
							COMMENTS:								
							ditto (A-2, locally A-2-C)		192.0 (1.24) 12359*	ppm 102	ppm 1410				
								100	193.24	%	%	%			
							A-2-C sand band 7-10% (heavily broken sheared or fault?)	100	(2m) 12276	0.05	0.88	3.92			
195							195.24		195.24	%	%	%			
							Well bedded, several G4-G7 Arg (1-3cm thick) slightly brecciated in part, middle part weakly contorted lower part pink colored (Sp) mainly Bar and fair amount of py. Sp. G1. Q; laminated	88.6	(1.76m) 12277	1.40	6.40	37.8			
							197.0		197.0						
							lam. highly contorted, less Sp no lam. at lower 40cm slightly brecciated	96.4	(1.4m) 12278	0.74	4.00	47.1			
							198.4		198.4						
							thinly well lam. lower 40cm contorted	101.4	(1.4) 12279	0.73	3.03	47.8			
200							199.8		199.8						
							thin py. seams (2~4mm) finely lam. (30vol%) Pink (Sp) beds (0.2~1.2cm) alternated some 1cm bar bed in middly	87.5	(1.2) 12280	0.67	6.13	38.5	3.60	3.66
							201.0		201.0						
							finely lam. few Pink beds (Sp.) (0.8cm).	91.7	(1.2) 12281	0.71	4.25	47.0			
							202.2		202.2						
							wide spacing (2mm~5mm apart) lam. middle part slightly contorted py seams rare	87.5	(1.6) 12282	0.86	3.05	52.2			
							203.8		203.8						
							finely lam. upper part 30cm contorted, & some pink beds	88.6	(1.4) 12283	0.80	2.30	51.6			
205							205.2		205.2						
							slightly contorted lam. Arg beds, G4 colored, 2cm & 3.5cm thickness at upper & lower part respectively. Some Py & Sp layer at upper part.	97.3	(1.5) 12284	1.02	2.70	51.6			
							206.7		206.7						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-27 CLAIM: PROPERTY: Jason PAGE No. 15 of 15

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag	Specific gravity: ORE	Specific gravity: PULP
							COMMENTS: Wide spacing (as cm common) lam Bar-rich some light pinkish layer altn One 0.6 cm thick Gn Arg bed	94.7	(1.9 m) 12285	0.68 %	2.32 %	48.8 %		3.95	4.05
							208.6 — Sandy ~ clayey, soft, middle part high sp content beds altn	94.1	208.6 (0.85) 12286	2.92	11.60	2.07			
							209.45 — fragmented ore & some Arg fgt (<3 cm ϕ ; vuggy fgt.)	92.0	209.45 (0.5) 12287	2.80	13.60	1.35			
210							209.95 — lower part B-1-m fgt 15 cm across; B-1-m carbonaceous silty, Py 3~5% Qz veined	72.7	209.95 (1.65) 12288	0.65 %	3.52 %	2.25 %			
							A-1 like (highly broken) Poor recovery (fault ?)								
							211.6 — A-2-a, (some A-1 bed 5~8 cm thick intercalated. • Qz veining at 212 m & 213.5 m 1 mm to 1.2 cm (max.) width; 5~7 vol%, some clay & Bar • some Py lam locally	85.0	211.6 (2.40) 12293	0.06	1.72	8.83			
215	Gn						214.0 — A-2 ~ A-2-a. (some A-1 bed 5~15 cm thick intercalated.	83.0	214.0 (1.0) 12289	0.11	3.25	6.47			
							215.0 — ditto • Py lam. extensive ~ 25 vol% • Sp Bar in lam. Poor recovery	65.2	215.0 (1.15) 12290	0.18	6.75	0.628			
							216.15 — ditto • Py lam lesser than above • lower part white lam (higher Sp Qz)	92.4	216.15 (0.92) 12291	0.10	4.10	0.755			
							217.07 — ditto • upper 1/3 A-1-carb. with several layers of Bar. nodules), Py, Py + clay, etc.	100.0	217.07 (0.93) 12292	0.03	0.11	1.05			
							218.0 — A-2		218.0						
							218.6 — B-5-L mtx: B-4-m ~ SS-5-m (clt 20, <0.6 cm) Fst: Arg 30~40 (1~3 cm ϕ; some 4~6 cm)	96.5	(1.0) 12364*	53 ppm	7700 ppm				
220							219.6 — A-1 upper part contorted (B-1-m like)	93.7	219.6 (1.0) 12365*	67	1750				
							220.3 — B-6-E (cobble) mtx: B-2-m (clt 50 Arg 20, <0.8 cm ϕ) Fst: Arg 15% (5~10 cm ϕ) clt some (2~3 cm ϕ)	88.2	220.0 (1.0) 12366*	37	136				
							221.0 — A-1		221.0						
							221.28 — HOLE END								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM Jason 55 PROPERTY Jason PAGE No. 1 of 25

CORE SIZE H.Q. AZIMUTH Collar 350° 365.76m 45° ELEV. COLLAR 1155.67m LOGGED BY K. I. Lu & J. Rowe

ANGLE of HOLE Collar -72° 365.76m -39°30' TOTAL DEPTH 367.28m NORTHING 7002337.91 DATE BEGUN Jun 4th FINISHED Jun 21st 1978

SECTION % RECOVERY 93.6% EASTING 437109.84 CORE STORED AT Jason Property

COMMENTS: stick up 61 cm SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
m													
5							Overburden						
10	G3	38° 35°					78 A-2 • upper part few sand layers (A-2-a) • occasionally G3 colored silt, up to 5 cm thickness, pyritized in some, intercalated • disturbed locally. } disturbed						

Sperry Sun Test Results

Depth (m)	Azimuth	Inclination
Collar	350°	-72°
15.24	359	69°30'
30.48	2°	70°30'
45.72	360°	70°30'
60.96	359°	70°
91.44	10°	68°
121.92	16°	66°30'
152.40	26°	65°
182.88	33°30	62°
213.36	35°30	59°
243.84	40°	57°
274.32	42°	53°
306.80	40°	49°
365.76	45°	39°30'

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 2 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		35°					ditto (A-2, locally A-2-a)								
	G5														
15		37°													
		34°													
							15.9 B-1-m highly disturbed A-1-a brecciated 80 vol% angular fgt. (<2cm ϕ)								
							16.9 A-1 locally A-1-a								
		32°													
		32°													
		34°	Py				} contorted								
20															
		34°					21.30 B-1-L Fgt: 1~2 cm ϕ common, up to 4 x 6 cm plate 70~80 Vol% (flow or slide texture remarkable)								
25															
							25.91 B-2-L Fgt: Cht [illegible] <3 cm ϕ Arg [illegible] <6 cm ϕ								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 3 of 25

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	Px S		Py nod				ditto (B-2-L)								
							27.75 SS-2-c~m alternated with shale in 0.5~1.5cm interval. • upper part s.s. beds thicker and coarser. (up to small pebble size)								
30							29.9 SS-5-S ~ SS-2-c~f intercalated								
	"	↑					30.9 ↑ finer upward B-2-L Fgt: Cht 50+ (<3cm, some py3), Arg 40 (<6cm)								
			Py d 3~5%				32.1 B-1-L as boulder								
							33.0 B-2-L similar composition to 30.9m~32.1m but coarser								
							33.5 highly fractured gouge, clayey. (fault ⊗)								
	G6			f			34.1								
35							B-5-boulder Mtx: B-2 (cht 40 <2cm, Arg 50 <6cm) Fgt 70~80%: Assorted Argillites fragments max 1.6m across, 6~10cm ϕ common some >20cm across								
	largely G5~G6														
40															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 4 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5 5 6	40°?	Pyrrhd scattered				ditto (B-5 boulder)								
45															
							46.45 B-2 Fgt: Cht30 (2~4 cm), Arg65 (2~3 cm ø & 2×4 cm ~ 4×6 cm plates)								
							47.55								
	G6														
50							B-1 - boulders • Fgt 40~60: assorted Argillites fragments size varied. max. 1.7 m across • flow or slide (?) texture remarkable • locally faint fragment boundary								
	G5														
55			Pyrrhd												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 5 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G_5						ditto (B-1)								
60	G_4														
	G_3														
	G_2						boulder								
	G_1														
65															
	G_{5a}														
70															
	G_6						larger plates or blocks (up to 1 m across) common								
	G_7														

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 6 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5						ditto (B-1.)								
	G6														
75	G5		Py nod		ΔΔ		} larger plates or blocks (up to 1m across) common								
	G6														
	G5														
80	"						decreasing fgt size								
		10-15°													
	G4	5-15°	Py nod				Argillites less lamination								
	G6	0-10°					fgt: few 10cm across								
85	G5														
	G5														

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 7 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G5	~10°					less fgt. ditto (B-1)								
90							more fgt (~60+ vol%) & larger sized some 60 cm across								
	G7			f3			-916 – 1.5 cm wide gouge clayey thin bands of siderite								
	G5						less fgt								
95	G8			f3			-945 – 10 cm+ wide gouge,								
	G6	~10°													
	G4		Py rare				some py lam fgt.								
100	G5	~10-15°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 8 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	Gy	10-11°					ditto (B-1)								
105	"														
	"						broken blocky core Arg fragment 30 cm ± some								
110	"														
	"	15°					less fgt (~40 vol%)								
115	"	15-30°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 9 of 25

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

ditto (B-1)

30~40 cm ϕ sized fgt somewhat contorted lams.

much less fgt. (~20 vol%) size up to 10 cm

122.50

B-2-L

Fgt: cht 15, Arg 30 Silt 10 <2.5 cm few 4 cm ϕ

B-1 like

- cht fgt irregularly distributed.
- Locally B-1-like rock due to none ~rare cht. fgt especially middle & lower parts
- at 124 m ~ 126.6 m fgt. orientated along flow(?) texture (~15°)

less cht fgt (~1 vol%)

126.3

A-3

A-2 rock with 5~8% biscuite-shaped sound bands (0.2~0.4 cm thickness) (few 1 cm thickness)

* May be a slab

129.0

B-4-E (cobble)

Fgt: Arg 60 (1~2 cm common some 10 cm ϕ to 25 cm)
Cht 10- (<0.5 cm common, few >1 cm to 4 cm)

B-3 like

locally B-3 like

131.5

B-1-E (cobble)

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 10 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5						B-1-E (cobble) ditto (B-4-E)								
							133.4								
							B-4 L~E several units								
							134.3 B-4-L Fgt {Cht20 (<1cm ϕ 0.2cm common) Arg40 (<3cm ϕ 0.4cm common)								
	Pks						134.8								
135	G5						B-1 (B-2 ?) very rare cht fgt (<0.4cm ϕ)								
	Pks						136.2 B-4-L {Similar to 134.3~134.8m rock, but coarser. Arg <4cm, cht one 2cm}								
	G2						136.7 SS-5-S (<0.8cm ϕ, cht 15~20%, Py 5~7, Sid 15) MARKER D								
							137.2 B-4-L-graded (?)								
	Pks						137.9 [lower half fgt. cht45 Arg40 1~2cm ϕ common up to 5cm ϕ; upper half fgt: finer (<2cm ϕ) less Arg., Sid 3~5%]								
							138.65								
140							B-5-E (cobble) MTX: B-2 (cht > Arg > F > M10) Fgt30: assorted Argillites, 7~10cm ϕ common, some 15cm across								
							B-5-E (boulder)								
	G6						142.6 B-2 Fgt30: Arg <4cm ϕ rare fine cht Boulder?								
							143.45								
145							B-6-E (boulder) MTX: B-2 (cht > Arg ≥ M15 >> SS. & F) Fgt: Arg20+ (6~12cm common; 30cm & 32cm across, one each) Cht5 SS some F few ∴ Some highly pyritized Fgt								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 11 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		

ditto (B-6-E)

148.25

B-1-L
Fgt ss. 2~4cm } Boulder?

149.60

150

ditto (B-6-E) } B-6-E (boulder)

155

155.00

B-5-E (cobble)
mtx: B-2 (Arg > Mtx$_{30}$ >> cht > s.s & (F) etc (<1cm d)
Fgt$_{35-40}$: assorted Arg 6cm~ max 15cm

• lower part some (F) fgt. (B-6 like)
& more muddy matrix.

B-6 like

158.8

B-4-m-graded.
Some B-5, ss-s-s beds. } Boulder?

159.9

160

B-5-E (cobble)
mtx: B-2 (Arg >> Mtx$_{10}$ >> cht, <0.4cm)
Fgt$_{70}$: assorted Arg 3~15cm common some 7cm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		

ditto (B-5-E)

163.20

A-1.

- Occasionally biscuite-shaped sand bands intercalated (<1 cm, 1~3 vol%) --- A-1-b
- Brecciated (by slaty cleavage)
- One 1.5 cm & few mm silty beds at lowerpart (A-1-a like)
- lowest part brecciated similar to B-1

165

170

B-1 like.

171.90

B-2-E

Fgt { Arg 50 1/2 x 3 cm common, some 6~10 cm platy
ChT 5: <0.6 cm common, few 1~2.5 cm

175

175.20

B-1 like

A-2-C.

- Biscuite-shaped sand bands max 1.5 cm thickness 3 vol%

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason PAGE No. 13 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							B-2 like A-2-C cont'd • locally sand bands remarkable (>5 vol%) as A-3-rock like • some brecciated parts recognizable, (B-1 like, Fgt ~40% 1~2 cm ϕ common) especially at 180.40m ~180.90m, 175.30m ~ 176.16m; 177.03m ~177.28m (Brecciation possibly is caused by slaty cleavage)								
180	G5	25					B-1 like gouge clayey								
		15°													
					f										
			Qz Py nod												
185	Pa	20°	Sp gran				184.91 SS-5-C ~ B-2-S cht >> Arg > M10+ few thin (<2cm) Arg plates								
			Py dip				185.93 B-2-L cht > Arg > M10 > Py one 4cm x 8cm Arg (B-5?)								
		↑③					186.36 SS-5-C ~ B-2-S intercalated • generally < 0.3cm ϕ, cht10-15 • several units weakly sorted upper part finer upward.								
							188.98 B-2 Fgt: Arg65. (2~4cm ϕ, lower part one 6cm) cht20+ (1~2cm ϕ)								
190		20~25					190.30 B-4 MTX: C.SS. Fgt: Arg30 Cht40 (<1cm ϕ few 2~3cm ϕ Arg)								
							191.30 B-6								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 28 CLAIM: PROPERTY: Jason

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-6 - boulder

Mtx: SS-S-S (Cht ≥ Arg)

Fgt: assorted Arg 50+ (5~10cm common, some 40cm~50cm) Conglo 15 (max 28cm across)

Others 15 (S S, B-2 3-4 etc. <4cm ϕ)

195

more matrix
and more Arg plates, boulders

20°

200

202.39

B-2 with few larger Arg fgt (B-5?)

Fgt: Cht 60 (1cm ϕ or less few 2.5~3cm ϕ)
Arg

204.0

gouge, clayey, finely broken fgt
fault (8)

205

205.1

B-5

MTX: B-2 (Arg ≥ cht ≫ Mtx 10+, <1cm ϕ some 2cm)

Fgt: assorted Arg 65+ <~8cm plates common
max 25cm across

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 15 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (B-5)								
							207.7								
			Py	S			B-2-E (cobble) Fgt: Cht 25 (1~2 cm ϕ, some 3~4 cm ϕ) Arg 60 (2~3 cm, several 7~15 cm ϕ) • locally highly broken (sheared)								
210															
				S			210.8 / 211.0 } 20 cm (sheared)								
				S											
							213.6								
			dissem Py Sp				B-5-E (boulder) Mtx: SS-5-S (Arg 15 Cht 5) few 2~4 cm ϕ Fgt: assorted Arg 70 (6~10 cm ϕ, one 70 cm across at lowest part) • some Py fgt (0.2~0.4 cm ϕ)								
215															
		35°													
	G4		Py 20%				216.4		★★★ MARKER C						
							SS-2-C 0.4~0.6 cm thickness beds; Py 20% ±								
		45°					217.0 SS-2-f~c with Arg interealated 0.2~4 cm beds.; Py 3~10% in some beds								
							217.9								
	G4			f			gauge finely broken Arg fgt & clay fault (8)								
							218.9								
							B-5-E (cobble) Mtx: B-2-m (Arg >> Cht Fgt: assorted Arg 60~70 (4~7 cm ϕ common up to 15 cm across.)								
220		90°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 16 of 25

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (B-5-E)								
225															
		45°	Py+Sp				227.6								
	G6						228.2 A-2-C								
							• biscuite-shaped sand bands: ~1cm thickness 3~5 vol.%,								
230							• at 228.2m, two B-2-S (or CSS.) 1cm thick beds contain py 20~40% and Sp (1%)								
		40°													
			Py				232.0 SS-2-C~m-graded, ★★★ [correlated to DDH 77-26, 135.94m~137.16m] -- ⑨								
	G4						Pyrite 5%, Siderite 7~10%, bed: 1.5~5cm thick. Some thin Arg. MARKER B								
							232.8 finning upward								
							B-5-E (cobble)								
							Mtx: B-2-m (cht ≫ Arg ≥ Mtx 15)								
235							Fgt: Arg 30~35 30cm & 20cm across some 8~10cm								
							★★★ [from 232.8m to 253.5m correlated to DDH 77-26 137.16m~165.51m, especially upper 4~5m] -- ④								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 17 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							237.76 ditto (B-5-E)								
							A-1-a ~ A-2-a								
	Gr	26°					broken								
							239.7 B-5 (?) Broken. Mtx = B-2-S (cht > Arg > Mtx) Fgt = Arg 2a+ (c. highly broken)								
240	PRS						240.18								
	Gr			4			poor recovery (~30%) A-2-C (sand band 3cm.) fgt, (possible fault)								
							240.80 B-6-E								
							Fgt: cht45 Arg 30 (1~2 cm ϕ, some 4~6 cm ϕ) (many finer, < 0.5 cm ϕ, size fgt.)								
	PRS			S			· occassionally larger fgt (~6 cm) accompanied with finer (< 0.5 cm ϕ) fgt.								
245			Gz	S											
			Gz	S											
				S											
250							249.8								
	Gr			S			gouge, Arg fgt only Arg plate origin? or fault (6)								
				fE			251.45								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 18 of 25

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							No Core								
							ditto (B-2-L)								
	G3	30					253.5 SS-2-C with thin (n mm) Arg altn.								
							254.3 SS-4-C (5~20 cm thickness, Py 5~10+								
255							254.7 B-2-L Fgt: Arg 50 Cht 40+ (≤1 cm φ some 2 cm φ rare 3 cm φ)								
	P84						255.8 A-2-a boulder?								
	G6	35					A-1-b								
							258.2 B-5-E (boulder) MTX: B-2-m (MTX >> Arg >> Cht, ≤1 cm φ) Fgt: assorted Arg 40~50 (63 cm, 55 cm, 40 cm across plates and som 5~10 cm φ ≤5 cm φ common								
260	G0		Py Sp specs												
	G4														
		30					262.8								
		30					263.3 A-1								
	G7		Q.S.d vlt				A-1-a~b like								
265	G8						264.6 264.9								
		35	Py dk												

*** [Correlated to DDH 77-26 165.51 m ~ 167.64 m]
*** [" " DDH 77-31

— Marker Bed "A" —

- upper part few silt & sand bands (n mm) intercalated rarely py thin layers found, Qz + s.d vlt. network.
- at 263.3 m, 2 cm of B-4-S [s.s + Py matrix with Py > cht > Arg (< 4 mm φ) fgt 40+] bed
- at 264.6 ~ 264.9 disturbed (B-1-m like & broken

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 19 of 25

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER m.	ASSAYS ppm ~~%~~ Pb	ppm ~~%~~ Zn	ppm ~~%~~ Ba	oz/ton Ag		
	G8	38°					ditto (A-1) cont'd								
			Py				• middle ~ lower part occasionally silt & s.s. thin layers laminated (A 1 a) but mostly massive carbonaceous								
	G7 5 8						disturbed		★ denotes chip sample						
270							• few disturbed parts		from # 12298 ~ 12331						
275				Py sid Py sid			slightly disturbed some slickenside								
	G4	38°	Py sid G3				highly broken, some clay fault (?) ~ ③								
							277.8 SS-2-c~f-graded lam. with silt at upper, and increasing thickness downward	mf ③							
							278.3 B-2-S-graded, (Fgt 30 Arg > Cht) upper & lower Arg beds intercalated 30 cm & 20 cm respectively.		* "O Marker" *						
	G4 G5						279.24 B-2-L Fgt: Arg 30 Cht 30 (≤ 1.5 cm ϕ, few 4~6 cm Arg plates)								
280							280.95 B-2-L Fgt: Arg 45 Cht 40 (1~2 cm ϕ common few 3 cm ϕ)		Mainly B-2-L~S beds with some Arg plates several units.						
		45°					281.70		281.5* 12298	125	64	2020			

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 20 of 25

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER (m)	ASSAYS ppm ~~%~~ Pb	ppm ~~%~~ Zn	ppm ~~%~~ Ba	oz/ton Ag
	G6	43°					282.30 A-1-a						
	G5	43°					282.40 B-3-m at upper 10cm; lower 20cm = A-1-Carb.						
	G6						282.60 B-2-L alternater with Arg (up to 25cm) ~ B-4 locally		283.0* 12299	78	117	3880	
	G5						Fgt: Arg 60 Cht 20 (≤2cm ϕ some 4~6cm ϕ) several units. one Arg 25cm across shows fold-nose like [locally B-5-E boulder) like]						
	G6		Q Sid						284.5* 12300	36	75	[illegible]	
285	G9						284.86 gouge, clay fault (B)						
	G5	40°					285.00 A-1-a						
	G4	40°					285.50 B-2-S-graded ~ SS-5-C-graded Fgt: cht ≥ Arg (<0.5cm ϕ) bed thickness: n mm ~ 10cm		286.0* 12301	26	18	[illegible]	
	G6	40°					286.4 A-1-b						
	G4	45°					286.8 B-4-m-graded (at upper) mtx: c.SS + Sid + Py 5 Fgt: cht 25 Arg 20 (<1.5cm)		287.5* 12302	46	[illegible]	[illegible]	
	G6						287.6 A-1-a with B-2-m (Arg ≥ cht 30; ≤3cm thickness) one Py fgt 80% (<2mm ϕ, 1cm thick) bed.	A-1-a~b beds alternated with					
	G4						288.7						
	G6	40°					288.9 B-4-S c.SS + Py matrix with Arg ≥ cht fgt		289.0* 12303	45	21	3020	
290	G8	45°	Q Sid.				A-1-a						
	G4	45°	Py fgt				290.2 A-1		290.5* 12304	89	22	3990	
	G7	40°	Py b				290.7 SS-4-C-graded (Py 10~25%, more than 5 bands) ~B-2-S-graded. (lower coarser. py fgt 60% in some bed)						
	G5						291.4 A-1-b some sand bands contains Py 30~80%	disturbance decreasing	292.0* 12305	102	31	4230	
	G7						292.8 B-4-m contorted						
							293.0 A-1-a ~ A-1.		293.5* 12306	100	9	3910	
							293.8 • Carbonaceous, locally disturbed (contorted or brecciated)						
295		35°	Py b				• upper part at 293.3m & 294.1m thin sand bands (py; some)		295.0* 12307	150	22	4130	
							• at 293.8m - 2cm thick B-4-S		[illegible]	100	20	[illegible]	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 21 of 25

SECTION m	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER m	ASSAYS ppm / % Pb	ppm / % Zn	ppm / % Ba	oz/ton Ag
							ditto (A-1-a - A-1) cont'd • Py (or with clay) beds, or Py dissem. beds (n mm ~ several cm thickness) frequently found		298.0* 12309	100	13	3740	
									299.5* 12310	52	17	4120	
300									301.0* 12311	36	7	4280	
								100	301.6 (1.0m) 12341	75	19	4245	
									302.5* 12312 302.6	84	44	2615	
								98.0	303.6 (1.0m) 12340	70	19	3700	
								95.1	304.0* 12313 304.6 (1.0)m 12339	68 / 171	8 / 24	3990 / 3700	
305								82.0	305.5* 12314 305.6 (1.0)m 12338	98	61	3710	
										56	8	3970	
								86.3	306.6 12337	250 o/o	145 o/o	3030	
							gouge carb silt & sh. fgt some Py clayey (fault (10))	85.2	307.0 (0.6)m 12294	0.07	1.23	3430	
							Arg. with Py + Qz (+ carb.?) thin layers (n mm thickness) lamination. Py 25~30 vol%. • Sp grains recognizable frequently. • contorted some	104	307.7 (0.1)m 12295	0.28	5.95	9410	
							A-1 Carbonaceous, silty. v.thin Py layers some	89.3	308.1 9.9m 12296 310.0	0.11	1.00	3830	
310							Arg. with py + Qz (+ carb) thin layers (n mm thickness) lamination Py 7~10% or more. • highly contorted at lower part. locally lam. parallel to core axis.	100	310.3m 12297	0.29	4.45	3680	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 22 of 25

COMMENTS:

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER (m)	ASSAYS ppm % Pb	ppm % Zn	ppm % Ba	oz/ton Ag
	G5		Py				312.3		312.3 (1.0)m				
	G7	41°	fPy				A-1-a fine py finely lam., some nmm ~ 6 cm thick G5 silt beds intercalated	60.1	12342	600	15000	3690	
									313.3				
									313.5* 12315	320	1700	[illegible]	
								64.5	12343	[illegible]	[illegible]	[illegible]	
	G7								314.3 (1.0)m				
			SP				314.7		12344	210	5100	3920	
315			SP				A-1 ~ A-1-a	90	315.0* 12316	[illegible]	2530	[illegible]	
							315.3		315.3 (1.0)m				
							• locally light grey silt (py. lam in some) beds	[illegible]	12345	430	[illegible]	[illegible]	
									316.3				
									316.5* 12317	148	360	[illegible]	
	G9						• at 314.7m & 315.3m fine Sp grains scattered in qz-carb thin layers (2 & 4mm)		(1.0)m 12346	155	910	3965	
									317.3				
		37°	Py l				317.5 12 cm silt py lam. som.						
			Py l				few 0.2 ~ 1.5 cm G4 silt beds intercalated		318.0* 12318	[illegible]	[illegible]	[illegible]	
			Py				• lower part (after 317.5m) and upper part A-1-a rock						
	"						6 cm silt						
									319.5* 12319	92	[illegible]	3700	
320	black												
							320.8						
					f (3)		321.1 gouge highly broken (fault? (3))		321.0* 12320	54	[illegible]	[illegible]	
							ditto (A-1.)						
	G9		QSd				322.45		322.5* 12321	73	1000	[illegible]	
				Py l			Siltstone						
	G9			Py l			Py &/or S.S. 0.5 ~ 5mm thin layers lam. intermittently. slightly contorted						
	G5	35°		Py l					324.0* 12322	30	[illegible]	[illegible]	
							324.6						
325							silty A-1						
	G8						• locally G4-5 colored silt beds (up to 1m thick) intercalated as A-1-a-like		325.5* 12323	48	280	3220	
	G4						326.45 22 cm thick Silt.		327.0*	[illegible]	[illegible]	[illegible]	

*** Correlated to DDH 76-15 143.87m ~ 146.9m

*** Correlated to DDH 77-26 273.86m

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 23 of 25

COMMENTS:

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER (m)	ASSAYS ppm ~~%~~ Pb	ppm ~~%~~ Zn	ppm ~~%~~ Ba	oz/ton Ag
	G7						silty ditto (A-1) cont'd • Some disturbed parts (contorted or brecciated,		327.0* 12324	73	370	3370	
									328.5* 12325	108	570	2480	
	"	31°					3 cm silt						
330									330.0* 12326	47	560	3010	
	G8		Py				331.6 — 7 cm silt contains massive Py band 4 cm ★★★ [Correlated to DDH 77-26 277.8m band]		331.5* 12327	55	440	2830	
							332.7						
							brecciated & contorted		333.0* 12328	82	53	2770	
	"												
			Q.S.d				334.7		334.5* 12329	58	139	3630	
335			Py				A-1-a						
	G7						335.8 30 cm silty G5 bed		336.0* 12330	33	740	2310	
	G5	43°											
	G7								337.5* 12331	36	300	2570	
	"		G.S.d				338.4 highly broken gouge; graphite fault (B)						
					f(B)		338.9 Slickenside abundant						
							G4 Colored silty silic bed						
	G4	40°					339.45						
340	G7						Carb. & silty A-1-a (S.S. ~3%)						
			Py										
			G.S.d.										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 24 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G7	31°	Py b				ditto (A-1) cont'd								
	G8						Silty & Carb.								
			G5 Py 5p				• locally "Pyrite Ring" — (concentric py rings cutting bedding planes, nodule? or concretion ball-like) appeared								
345	"														
	G7		Py b				• fussy pyrite (massive fine grained pyrite bed without sharp boundary) beds found some								
	G8														
	G9														
	G7														
		41°													
350	G9						349.65 "Pyrite Ring" (2 cm ϕ) 349.90 Concentric py rings cutting bedding planes								
	G7														
							351.7 352.0								
	G8														
		48°													
355	G8						354.5 "Pyrite Ring" (26 cm ϕ) 354.8 Concentric py rings cutting bedding planes								
	G9	40°													
	G7		Py b				356.93 fussy pyrite bed (8 cm), few thin py layers besides								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-28 CLAIM: PROPERTY: Jason PAGE No. 25 of 25

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G6	36°					ditto (A-1) contd • siltstone layers incresing downward as A-1-a to A-2-a~b (transition zone) Silt layers incresing								
	G7						A-1-b like								
360	G7						360.3 siltston beds abundant								
	G6		Q Sid				A-2-a • locally sand layers & bands extensive, showing A-2-b ~A-2-c like								
		30°					362.95 brecciated & broken, graphite 363.40 and slickensides. (fault? or B-1?)								
365		30°	Q Py Sp												
		29°					367.28								
367.28						HOLE END									

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 | CLAIM Jason 57 | PROPERTY Jason | PAGE No. 1 of 7

CORE SIZE H.Q. | AZIMUTH Collar 180° / 91.16m 174° | ELEV. COLLAR 1286.88m | LOGGED BY K. I. Lu & J. Rowe

ANGLE of HOLE Collar -50° / 91.16m -42° | TOTAL DEPTH 91.16m | NORTHING 7002528.25 | DATE BEGUN Jun. 11th FINISHED Jun. 15th 1978

SECTION | % RECOVERY 88.5% | EASTING 436463.20 | CORE STORED AT Jason Property

COMMENTS: Stick up 0.91 m

SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0m							Sperry Sun Test Results Depth Inclination Azimuth Collar -50° 180° 91.16m -42° 174°								
5															
9.75m															
10	GL		Py 1-2				B-5-E (cobble, one boulder) MTX: B-2-m (MTX >> Arg = Cht), one cht 3cm. Fgt: assorted Arg 60-70% (3mt cm common, max 25cm one)								

9.75m

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 CLAIM: PROPERTY: Jason PAGE No. 2 of 7

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
m															
			Some by dist				ditto (B-5-Cobble)								
							poor recovery 46%±								
15							poor recovery 33%								
							mostly larger Arg plates 5 cm ~ 7 cm or more								
20															
							21.9								
	G5						A-1-b. fairly disturbed (by slaty cleavage) locally shown B-1-like. • Biscuite-shaped sand bands ≤1 cm thick and less than 1 vol% at upper (increasing downward and transition to A-3								
							≤1% ss bands								
25							3~5% ss bands								
							25.7								
							A-3 Sand bands 2~6 cm thickness 5~8 or more vol% brecciated [illegible]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 CLAIM: PROPERTY: Jason PAGE No. 3 of 7

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5						ditto (A-3 ~ A-1 type)								
			Pyd				27.60								
		48					A-3 (A-2 type rock)								
	G6						• Sand bands ≤1cm 10~15 vol% Pyz 3~5%								
							• at 28.9m, 6cm thick B-2-m (Arg>cht>M)								
30		55°					30.20								
							B-2-L								
							Fgt: Arg 60 (1cm ϕ, few 2~3cm ϕ) Cht 20 (0.8cm some 1cm ϕ)								
	G5						30.8								
							B-5-E (cobble)								
							MTx: B-2-m. Fgt: Arg 80 (6~10cm)								
							31.55								
							A-2-C								
	G6						Sand bands <1cm thickness <5 vol%. Pyz some.								
		48°					32.92								
							B-5-E (boulder)								
							MTx: B-2-m (one cht 2cm ϕ, generally Arg ≥ cht > MTx								
							Fgt: assorted Arg. 80+ (4~6cm ϕ one 80cm across)								
35															
			Qvlt				36.43								
							A-2-C.								
							Sand bands <1cm, ~2 vol% pyz in some								
	G5	43°													
		38°													
40							39.82								
							B-6-E (cobble)								
							MTX: B-2-m (Arg 40 cht 30 ≤1cm ϕ)								
							Fgt: Arg 70+ (5~6cm ϕ some 12 ϕ)								
							Some S.S. (<4cm ϕ) cht (≤2cm ϕ)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 CLAIM: PROPERTY: Jason PAGE No. 4 of 7

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
m							ditto (B-6-E cobble)								
			Py d				43.89								
							A-2-C sand band <1cm, <2% slightly contorted plate ?								
45		60°					44.97								
	G4						B-2-m-graded Fgt: cht40 Arg45 <8mm								
	G3		Py 3				↓ finer								
							46.09								
			Qvl				SS-5-C~m, somewhat bedded								
							46.32								
							A-2-C (<1cm, <2%) plate ?								
							46.80								
							B-6-E (cobble, one boulder) MTX: SS-5-S ~ C.SS. Fgt: cht50+ (2~3cm φ one 5cm φ) Arg 30 (2~4cm φ few 6cm φ one 25cm) some (F) (one of them, similar to above - rock 44.97m ~ 46.09m) · lowest part finer								
			Py 1~3%												
50															
									B-6-E~L several units						
		50°		S			51.98								
							↓ finer to B-6-m (or less)								
							52.42								
							B-6-L (see below - 54.67m ~ 56.1m)								
				S			53.05								
							A-2-C disturbed highly broken poor recovery plate ?								
	G6		Py fgt some				Poor recovery (40~50%)								
							54.67								
55							B-6-L Mtx: B-2-S (cht40 > Arg >> Mtx) Fgt: Arg 30 (2x4cm some) cht40 (1.5~2cm φ, few 2.5cm φ)								
							56.10								
							B-6-L MTX: SS-5-S, cht20 < Arg < Mtx Fgt: Arg 20 (3~6cm one 0cm) cht 5 (4cm φ one)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 CLAIM: PROPERTY: Jason PAGE No. 5 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
m							COMMENTS:						
		50°	Py 5 Sid 5				57.77 — B-b-L — graded Matrix: SS-5-5 cht₄₀ <0.4cm ϕ Fgt: Arg 60 (2×6cm) cht 2% (3cm ϕ) 58.24 ↓ finer to ↑ coarser S-pebble size B-1-L Fgt: Arg 60 (≤2cm ϕ rare 2×4cm) slaty cleavage remarkable						
60			Py 15				60.06 60.20 B-2-L B-1-L 60.90 B-2-L (cht) 61.70 — finer SS-5-5 (Arg > cht, 2mm-1cm ϕ 20%) ↓ sandy mudstone ↓ shale (last 10cm)		B-1-L & B-2-L beds alternated				
		42°	Py 1-3				62.50 B-2-m (B-b-L?) Fgt: cht 50 Arg 40 (<1.2cm ϕ) middle part: three pieces of 1×4cm Arg plates (B-5-L)						
		45°	Py 5-7 Gy 2				64.33 B-2-L Fgt Arg 60 cht 30 (≤2cm ϕ few 3cm ϕ)		B-2-L ~5, several units				
65							65.09 B-2-S Fgt: cht 40 Arg 60						
	G6 5 G7		Native Cu in fracture				66.31 B-5-L Matrix: B-2-S-c. (cht >> Arg > Matrix 5~10) Fgt: assorted Arg 30 (2~4cm ϕ rare 6cm ϕ)						
	G8						68.59 Sandy mudstone black mudstone matrix with cht, minor Arg 10 g 0.1~0.2cm ϕ fgt; some thin black shale beds intercalated and contorted;						
70	G9 Py 5 G5 G6	38°					69.75 A-1 SS-2-c SS-5 fg-5 ↑ finer B-5-m-graded to SS-2-c upper part Arg: } plate? 70.33 B-1-L Fgt: Arg 10+ (<4cm ϕ) lower part slaty cleavage remarkable 71.40 (seemingly brecciated-like)						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 CLAIM: PROPERTY: Jason PAGE No. 6 of 7

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED

SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-5-E (cobble)

Mtx: B-2-m (Arg >> cht > M.s.) (few 1 cm)

Fgt: assorted Arg & B-1-fgt) (7~10 cm up to 18 cm across)

increasing fgt

73.37

B-6-E (boulder)

Mtx: B-4 (ss-s-s matrix with some 1 cm ϕ fgt of cht, Arg

finer fgt.

Fgt: Arg 25~35 (37 cm, 35 cm, 28 cm across boulders 5~10 cm fgt commonly)

cht 30 (2~4 cm, some 5 cm)

others 5 (ss silt etc <6 cm ϕ)

• Probably more than three units

many coarse cht. fgt (4 cm ± ϕ)

83.80

75

80

85

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-29 CLAIM: PROPERTY: Jason PAGE No. 7 of 7

SECTION m	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
90							ditto (B-6-E)								
							91.16								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 | CLAIM Jason 57 | PROPERTY Jason | PAGE No. 1 of 18

CORE SIZE HQ | AZIMUTH Collar 177° 257.56m -40° | ELEV. COLLAR 1261.76 m | LOGGED BY K.I. Lu & J.D. Rowe

ANGLE of HOLE Collar -51° 257.56m -40° | TOTAL DEPTH 257.56 m | NORTHING 7002417.90 | DATE BEGUN June 15 FINISHED June 27 1978

SECTION — | % RECOVERY 94.3% | EASTING 436480.62 | CORE STORED AT Jason Property

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | SCALE: 1cm = 1m | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

DESCRIPTIVE GEOLOGY

Depth	Inclin	Az
0 (m)	-51	177
15.24	-50	166
30.48	-49°30'	166
60.96	-48°30'	169
91.44	-48	168
121.92	-47	166°30'
152.40	-44°10'	170
182.88	-42°45'	172
213.36	-41°10'	169
257.56	-40°	170

Overburden

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED

SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

15

Overburden

16.50

B-5 (L-E up to 20 cm) [A-3 A-2-C]
B-2 Mtx

18.30 fault - grey-brown mud with small frags of Arg + Cht
18.55

A-3 strong CL ~ B-1

17.40

B-5 (L-E) B-2 Mtx

20

20.50 SS-1 (B)

A-3 10% SS lams 1mm - 1cm (some thicker) disturbed bedding.

21.60 SS-1 (C)
21.90

23.40

B-5 (L-E up to 40 cm) [A-3 ~ A-2-C]
B-2 ~ pebbly mudst. Mtx

25

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 3 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G5			$S_{1,2}$			B-5 cont'd						
	G5	50°		S_1			28.35 — A-3 Local cleavage, increasing downward						
30	G5	53°		$S_{1,2}$			30.40 — B-1 (L-E) [A-3] Arg Mtx with very few local fine cht frags (+yz)						
	G5	60°		S_1			33.25 / 33.50 Shear zone. Arg frags, Qz Vt + Nwk, minor Py						
35		58°					A-3 Minor Is Py + Lim in SS lams. Abund. loading + flame structures						
		59°											
		55°											
		53°					37.90 — A-2-c						
40	G5	53°		$S_{1,2}$			39.60 — A-3 Strong cleavage ~ local B-1 (E) Arg mtx with a very few local cht pebbles.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 4 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G5			$S_{1,2}$			A-3 ~ B-1 cont'd						
	G5			S_1			44.40						
45		~40°					A-2-c highly sheared ~ B-1 Arg. Mtx 10-15%.						
50							50.90						
	G5	43°		S_3									
		52°			A		A-3 7-10% SS lams, 1-2 mm with Minor Ds Py + Lim Locally disturbed bedding.						
55		43°											
		50°			A								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

57.25 — B-6 (L-E) [A-3, A-2-c, A-2, SS-1 (c)]
B-2 (s-L) Mtx

60

62.75 — B-1 (L-E) [A-2-a]

35° flow ter

64.70 — B-5 (L) [A-3, A-2-c, A-2-a] ± B-2 (s-L) Mtx
65.20 — Fault gouge + frags of Arg, cht, + Qz Vt

65

66.00 — B-1 (L-E) [A-2-a]

67.50 — Qz V with some Arg frags. Gouge at upper contact
67.75 — B-4 (E) [A-1, SS-1 (m-c), SS-2 (f-m), C-2, C-3]
C-3 (s-M) Mtx

70

Py Mtx ~ 20%

71.20 — C-3 (s-M)

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 6 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
75	G4			graded?			C-3 cont'd 73.65 SS-4 (C → m-f) graded ? up the hole contains several irregular Arg rip-up clasts ~1.0cm. A few cht pebbles. 75.85 C-3 (S-M) Qz Vt, 1-2%, 0.5mm - 2cm 76.60 B-6 (E up to 30cm) [A-3, A-2-c, A-2, SS-1(c), C-2(s), C-3(S-M)] B-2(M-L) Mtx.						
	G4		Qz	graded?									
	G5		Qz	$S_{1,2}$									
80	G4			S_3			79.35 C-2(S-M) boss. frag. 80.10 B-6 cont'd		core boxes were spilled & core reconstructed (not accurate)				
	G2 to G6		Qz										
	G3		Qz	S_2									
	G3 & 4			S_2									
85	G6						85.00 B-5(L-E) [A-2, A-2-c] B-2(S-M) Mtx. 86.20 B-1(L-E) ~ Local B-5 (L-E) [A-2-c, A-3] Arg Mtx local cht frags						
	G7			$S_{1,2}$									

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 7 of 18

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5			$S_{1,2}$			B-1 ~ local B-5 cont'd								
	"														
90															
	"						90.70 — A-3 Prob. boulders in B-1								
	"						92.20 — B-1 (L-E) [A-2-c, A-3] Few local cht + SS-1 frags in Mtx								
	"						94.40 — A-3 Prob. boulders								
95															
	G5						95.50 — B-1 (L-E) [A-2-c, A-3] A few cht + SS-1 frags.								
	G6														
	G7		Ag nod				98.20 — B-5 (L-E) [A-2-c, A-2] minor Ds Py in SS. B-2 (S-M) Mtx [Mainly Arg, some cht (pyz), SS-1 (m-c), + Py]								
100	G6														
	G7														

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-5 cont'd

106.10

B-3 (M-E, up to 20 cm) [A-2, A-2-c, Py lams 1mm - 1cm]

Mtx mainly SS-5 (sid mtx) ~ local B-4 (s-L) with sand Mtx, + occaisional B-2 (s-L) w/ sandy Arg Mtx.

110.20

Mass Qz V graph. stylolites - Foss fault

B-1 (L-E) [A-2, A-2-a (highly carb)]

Local B-2 (a few small cht + Py frags)

111.60

B-6 (L-E up to 50 cm) [A-2, A-2-c, A-3, Slst (Pyr), SS-5, B-4 (s-M), SS-1 (f-m), SS-2, SS-3, Py]

Mtx B-2 (s-L) [Arg, Cht + asserted frags.]

Qz-Sid Vt. <1% 1mm - 2 cm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 9 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							COMMENTS:								
120	G5			$S_{2,1}$			B-6 cont'd B-2 Mtx (30% +)								
	G6		Qz				118.65 Qz - Sid Vt + Nwk. 30%, 1mm - 2 cm with Ds Py 118.95								
	G4	42°		$S_{2,1}$											
	G6	41°	Qz												
		56°					124.20								
125	G3		Qz	S_2			C-2 (S-L) Sand Mtx with Ds Sid - Py (2-3%) Sid Vt, 1% 1 cm. Poss. grading.								
		51°		S_3			126.00 CS-5 Qz Vt 2-3% 1-5 mm 126.30								
	G6			$S_{2,1}$			B-5 (L-E up to 30 cm) [A-2 A-2-c] B-2 (S-L) Mtx [Mainly Arg some large clasts of cht + C-3]								
				S_1			128.50								
130	G3		Py	S_2			C-3 (S-L) sand Mtx with abund Sid.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 10 of 18

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		40°					132.36 — C-3 cont'd								
	G6	42°					A-2-C with 5 cm SS band Locally Bx [B-5, with a few cht frags in Mtx]								
				fault			133.45 — fault, gouge, clayey 133.90								
135		42°					A-2-C Ds Py in SS lams 3-5% locally 70% Local strong cL ~ B-1 (M-E)								
	G7														
				f			138.29 — 15 cm sheared zone.								
140	G6														
							140.95 — B-5 (M-E) [A-2, A-2-C] B-2 (S-L) Mtx [Arg, Cht, SS-1 (f), Py]								
	G5						143.13 — A-2-C ~ local A-3 Ds Py 3-5% (locally 90%) in SS lams. contorted bedding - core of fold?								
145	G6 ~ 7														
	G6														

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 11 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							A-2-C.								
	G5		Py mod diss				148.60 B-S[L-E][A-2-C] B-2 Mtx								
	G5	39°					A-2-C ~ Local A-3 Local strong cleavage								
150	G7														
	G4														
	G5	39°													
	G5	36°													
		36°													
155			Qz Sid												
		37°													
							↓ decreasing SS lams. A-2-C								
		35°	Py												
160		36°	diss				Py Vf. < 1%. 2mm - 1cm with minor Qz + Sid.								
			Sid												
		36°													
		20°	Py												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 12 of 18

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	ASSAYS % Zn	ASSAYS % Ba	ASSAYS oz/ton Ag
	G5 G6	37°	Qz ± Py				A-2-c cont'd						
	G4 G6		Py lens										
165	G6 G5	38° 45°	Py Some		f.?		164.75 A-2-c Strong CL ~ Local B-5 (B-2 Mtx) Strong small scale folding.						
	G4			S1									
	G5 ~ G6						↓ incr. SS lams. A-3 locally Bx						
170	G2												
	G3 ? G6						171.55 B-6(L-E)[A-2-C, C-2(S-L), SS-1(M)] B-2(S-M)Mtx Qz-Sid Vt, 1%, 1cm. 172.12						
	G3 + G6	10° ~ 25°	Qz Sp Qz				A-3 minor Ds Py in SS lams. Strong CL, local folding. Local Qz-Sid Vt, 1%, 1mm - 1cm with minor Ds Py + few specks Sp + Gl.						
175		Contorted bed						100	176.0 (1.0)m 12371	ppm 220	ppm 86		

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	PPm Ba	oz/ton Ag	% Cd	
							A-3 cont'd	100	(1.0)m 12370 178.0	ppm 300	ppm 69				
								46.36	(1.0)m 12369 179.0	ppm 300	ppm 61				
180			Qz				179.20		(1.0)m 12368 180.0	ppm 270	ppm 118				
			Sid				B-5 (L-E) [A-2 A-2-c] B-2 (S-L) Mtx [Arg Cht SS-2] Qz-Sid Vt 5-7%, 1mm-2cm	106.0 181.05	(1.5)m 12367 181.5	ppm 144	ppm 171				
							181.50 Fault zone poor recovery gouge + frags. of A-3, B-2 ~ Mass. Qz V	45.32	(2.45)m 12332	% 0.30	% 0.31	ppm 3320	oz/ton 0.14	% <.01	
			Qz				B-2 (S-M) [Arg Cht (pyz), Py]								
185							183.93 Massive Sp, Py, Gl fine gr., dense, hard, finely lam.; Gl richer in upper part thin lams in lower part Two 5 cm Arg bands slightly contorted. Some soft-sed. deformation (gal)	89.9	(1.39)m 12333 185.32	Sp. gr. before crushing 3.8 %	after crushing 26.05 %	10270	1.28	= 3.10 = 3.215 0.13	(represent. (cent. of Sample)
							185.32 Highly contorted interlam Sp-Py-Gl, Gl, Qz-Py bands. 185.81 silic. bed; Py, Sp-Gl, Gl bands finely altrd sharp contact 186.05	100.0	(0.49)m 12334 185.81	4.8 %	15.2 %	4900	1.67	0.08 %	
								100.0	186.05 m 12335 (1.86)m	1.29 %	5.93 %	6170	.72	0.04 %	
			Py		mud		B-5 (L-E) [A-2 (mrd sil. with bedded Py, fine gr., up to 1cm)] B-2 (S-M) Mtx Qz Vt, 5%, 1mm-1cm	★GRAB SAMPLE	187.10 12518	ppm (880)	ppm (524)	ppm (3690)			
							Fault? mud 187.91	88.7	12336	.06"	.06"	3280	0.07	<.01	
	G5			S1,2				100	(1.09)m 12372 189.0	ppm 96	ppm 34				
							A-2-c ~ A-3 Highly frac. ~ B-1 Sid Mtx + Vt, 5%, 0.5-2mm, with minor Ds Py + local blebs of CP. Qz Vt, 1-2%, 2mm-1cm	100	(1.0)m 12373 190.0	ppm 78	ppm 50				
190								100	(1.0)m 12374 191.0	ppm 106	ppm 48				
							191.25 10 cm. Sid. "band" fine ~ med xalline, with Ds Py cubes		(1.0)m 12375	ppm 68	ppm 41				
							192.82 10 cm. Qz. V. containing frags. of Arg + blebs of limonite								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 | CLAIM: Jason 57 | PROPERTY: Jason | PAGE No. 14 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							COMMENTS:								
	G4	20° flow tex	Qz Sid	Si,2			B-1 (L-E) [A-3, SS-2] Arg Mtx with local Sid Qz - Sid Vt, 2-3%, 1-3 mm.	100	(1.0)m 12376 193.0	31 ppm	33 ppm				
							193.55 Qz - Sid Vt, 10% + 1mm - 2cm minor Py	94.11	(0.8)m 12664 193.85						
	G1,2		Qz Sid				193.85 Shear zone ~ Bx. 5-10% Arg frags (<1cm ø) Mtx of Mass. Qz with intergrown Sid + blebs of Py + minor CP Some later Bx - Vts of Qz + Sid. ± cross-cutting	54.78	(0.63)m 12665 195.00						
195	G6						195.00 B-1 (L) [A-2 very soft (poss chlorite sericite alt)] Sid Vt, 3-4%, 1-5mm; Qz Vt 1-2%, 1mm-1cm; Py Vt + blebs, 1-2%, 2mm-1cm	67.78	(0.61)m 12666 195.9						
	G5	27° flow tex					195.90 sharp contact								
	G6						A-1 (highly sil.) Some vuggy spaces. Highly frac ~ Local Bx Abund graph stylolites. <1% finely Ds. specks Sid? Sid Vt + Mtx, 5%, 0.5-5mm with local minor Py, CP, Sp + Gl Py Vt <1% 1-2mm (locally 2 cm) Vts broken & distorted	72.24	(1.12)m 12667 197.35						
								92.0	(0.92)m 12668 198.35						
		38° flow tex					*** [78-30, 195.90 - 199.35 m correlates to 78-41, 123.30 - 126.40 m]	86.0	(0.96)m 12669 199.35						
	G3						199.35 SS-2 Sid - Ser - Qz Alt. (most textures destroyed) Very weak foliation. Local Bx few frags of A-1 (sil) in Sid - Ser - Qz Mtx Sid. Vt, 5%, 1mm - 1cm with local Ds Py + minor CP.	91.30	(1.05)m 12670 200.50						
200		38° flow tex	Sid					93.0	(0.93)m 12671 201.50						
							*** [78-30, 199.35 - 203.50 m correlates to 78-41, 118.87 - 123.30 m]	85.0	(0.85)m 12672 202.50						
	G4,5		Py Sp CP Gl				202.50 A-1 - Highly Alt - chlorite? Ser? Qz - Sid - Muscovite Vt, 2-3%, 1mm - 1cm with blebs Py, Sp, CP, Gl	95.0	(0.95)m 12673 203.50						
	G6	0 ± flow tex					203.50 A-2 (highly sil) V. strong frac ~ Local Bx Abund. graph. stylolites. Sid. Vt, 3-5%, 1-3mm with local Ds Py + minor CP. Qz - minor Sid. Vt 1-2%, 1-3mm with minor Py + CP.	94.0	(0.94)m 12674 204.50						
205								93.0	(0.93)m 12675 205.50						
	G7							94.0	(0.94)m 12676 206.50						
	G6						*** [78-30, 203.50 - 224.90 m correlates to 78-41, 82.30 - 118.87 m]	70.0	(0.70)m 12677						

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HOLE No. 78-30 | CLAIM: Jason 57 | PROPERTY: Jason |

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G6			S1			A-z (highly sil) cont'd highly frac ~ Bx		207.50 (1.0m)				
								89	12678				
		15°	Qz				208.60 Qz Vt, 80%, 1-2 cm		208.50 (1.0m)				
							Local Qz + Sid Vt with minor min	57	12679				
210									209.50 (1.0m)				
								84	12680				
							210.60		210.50 (1.0m)				
			Py Cp				Sid. Vt, 3-5%, 1-3 mm Qz Vt, 5-7%, 1mm - 1cm	89	12681				
		23°					211.50		211.50 (1.0m)				
								96	12682				
									212.50 (1.0m)				
							Sid Vt, 3-5%, Qz Vt, 1%	76	12683				
			Qz Py						213.50 (1.0m)				
								72	12684				
							214.50		214.50 (0.30m)				
215		22°	Py Cp				Highly frac ~ Bx Qz-Sid Vt+M+x, 5-7%, 1mm-1cm with Ds blebs Py(7-10%)+Cp(1-3%)	75	12685				
							215.30		215.30 (0.70m)				
	G5		Qz	S3				47.14	12686				
							216.00		216.00 (1.00m)				
			Sid				A-z ~ local A-1 (highly sil.) mod frac - abund. stylolites.	86	12687				
		31°							217.00 (1.0m)				
							Sid. Vt, 1%, 1-2 mm, broken + dist	87.7	12550	ppm 85	ppm 49		-
							Local Qz Vt, 2-3%, 1mm-2cm some Ds blebs Py + CP		218.00 (1.0m)				
								82.0	12551	ppm 72	ppm 40		-
									219.00 (1.0m)				
							219.60	97	12688				
220			Py				Abund. Qz Vt + Nwk with minor Ds Sid. + local blebs of Py (2-3%) + CP (3-4%)		220.00 (1.0m)				
		02°	Cp				220.70	84	12689				
									221.00 (0.50m)				
	3-			Sid			221.50	84	12690				
							B-1 (M-L) to A-1 (Sil) Py fr 20% (mod) - abund. Sil. str. Alt. Nwk. 1-4%		221.50 (1.50m)				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 30 | CLAIM: Jason 57 | PROPERTY: Jason |

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G5		Py Cp Sp Fg Cp	$S_{1,2}$ ↓			222.05 A-1 ~ local A-2 (highly sil) Strong frac. ~ Bx Abund graph stylolites Qz Nwk + Vt, 5%, <0.5mm - 1cm with local concentrations of Ds Py (up to 10%) + Cp (2-3%) Local fine Sp Vt, << 1%.	78	(0.75)m 12692 223.05						
							224.05	85	(0.85)m 12693 224.05						
225	G8.9						224.60 Qz Nwk 7-10% 224.90 fault graph gouge + A-1 (sil) frags Qz Vt + Nwk 5%	72.41	(1.05)m 12694 225.50						
	G3 G5						225.50 SS-2 (m-c) highly sil 225.70 B-1 (L-E) [A-2-c] Qz Vt, 1%, <1mm									
							226.50 B-2 (M-L) [A-1 (sil), A-2-c, cht, Py] mod ~ strong sil Qz Vt. 1-2%, 0.5-2mm									
							227.45 B-1 (L-E) [silty A-1 (mod ~ highly carb)] highly frac ~ graph. Qz Vt, 1%, 1-3mm + clay min? Py Vt, <1%, 1-3mm, Few thin Sp Vt									
							228.40 Carb. Slst weakly ~ mod. sil., highly carb. <1% finely Ds Py throughout Disturbed bedding - Strong CL ~ B-1 - graphitic									
	G6-7														
230		45° flow tex													
							231.65 B-2 (M-E) [Carb. Slst, A-2 (sil), A-2-c, Cht, SS-1 (m), Py] graph. Arg Mtx ~ Local Alt - chloritic? Talc? (<1%) on some cleavage faces.									
		35° flow tex					234.40 Carb. Slst. Strong CL ~ B-1 graph. fracs. Qz Vt. 2-3%, <1-3mm.									
235															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

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SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

237.10 — B-2 (M-E) [A-1 (sil), carb. Slst., A-1, Qz Vt with Py + Minor Cp] highly sheared

237.80 — B-2 (S-L) [Mainly Cht + A-1, A-1 (sil), + SS-1 (f)] 5% Mtx

238.20 — B-1 (S-L) [Carb Silty A-1, few SS-1 (c) frags + lenses] mod Sil

238.80 — B-2 (S-L some E) [Carb. Slst., A-1, A-2, A-1 (sil), Cht, Py]
some frags Pyz
weak ~ mod sil

240.90 —

Carb. Slst Strong CL ~ B-1 graphitic
weak ~ mod Sil.
Abund., Ds, white, fine sand size grains (silica?)
Fine Nwk of Qz + soft white min. (clay?) 1-2%, <1mm
with minor Ds Py.

246.60 — fault, 10 cm, gouge + Slst frags. Qz Vt, 5%, 1-8 mm, minor Py.

248.00 — Fine specks of Sp in soft white fibrous lenses.

248.35 — Local B-2 (M-L) [Carb Slst, A-1 (sil), A-2, Cht (pyz)]

Carb. Slst. cont'd

250.70 — Qz Vt + Nwk, 7%, 1mm - 1cm, minor Py

251.00 — fault, gouge + frags. of Slst + Qz Vt.

Carb. Slst, non sil Qz Vt + Nwk, 5%, 0.5 mm - 1cm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-30 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 18 of 18

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G6			$S_{1,2}$			Carb. Slst cont'd few thin Qz Vt.								
	G8		Py/Qz				252.65 A-1 (highly carb, mod sil) Highly frac ~ sheared. Qz Nwk, 10% with Ds + Mass. Py, 10%								
	G6	32°					253.40 B-5(L-E) [A-1 (high. carb ~ graph)] mod ~ highly sil.								
	G8						B-2(S-L) Mtx [frags of A-1 SS-1(f) + Cht(pyz) in graph. Arg] Qz Vt, <1%, 1mm - 1cm.								
	G6 G8 G4-5														
255	G3			S_3			255.10 shear 10 cm gouge + crushed Arg.								
		60°					SS-4 (c → m) (highly sil. + 3-5% Ds Py) A few bands of A-2 (non sil), up to 10 cm wide, with interlam. Py. 3-5% Arg rip-up clasts in SS.								
	G5 G3	60°					Qz Vt, 1-2% 1-5 mm with minor Py.								
257.56						End	257.56								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 | CLAIM Jason 56 | PROPERTY Jason | PAGE No. 1 of 41

CORE SIZE HQ / NQ | AZIMUTH 004° | ELEV. COLLAR 1186.89 m. | LOGGED BY J. D. Rowe + K. I. Lu

ANGLE of HOLE -70° | TOTAL DEPTH 619.35 m. | NORTHING 7002298.44 | DATE BEGUN June 29 FINISHED Aug 9, 1978

SECTION | % RECOVERY 86.9% | EASTING 436849.19 | CORE STORED AT Jason Property

COMMENTS: Stick up 1.1 m. SCALE: 1cm = 1m

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

0 M

1

19

20

Overburden

25

Depth (m)	Inclin.	Az
0	-70	4°
15.24	-72	} in
30.48	-70	} casing
45.72	-70	360°
60.96	-70	8°
76.20	-69°45'	13°
91.44	-69°30'	14°
106.68	-70	10°
121.92	-69°45'	14°
137.15	-71	21°
152.40	-71°15'	27°
167.64	-71°	30°
182.88	-72	34°
213.36	-70	38°
243.84	-68	47°
274.32	-66	46°
304.80	-66	49°
335.28	-65	53°
365.75	-62	54°
396.24	-56	55°
426.72	-53	52°
457.20	-52	54°
487.68	-50	55°
518.16	-49	54°30'
548.64	-44	53°
579.12	-45	54°
619.35	-43	52°

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 | CLAIM: | PROPERTY: Jason | PAGE No. 2 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
							COMMENTS:						
							27.74 Overburden						
	G7			S3			28.0 fault Carbonaceous Siltstone – very fine sandstone – weakly lam local abund. dissem grains of white Qz + feldspar? + local abund. dissem very fine cubes of Py (3-5%) ***[very similar to rock type in DDH 78-30 228.4-231.65 m] 27.74 - 58.22 m						
		28°											
30	G4	37°					30.0 fault zone – gouge + frags of carb. Slst						
	G7						30.7 Carb. Slst – 5-7% vol. dissem. grains of Qz + feldspar locally 5-7% dissem fine cubes of Py						
		30°					32.0 fault						
							32.3 fault						
				S1,2			32.5 B-1 (S-M) [Slst] – A few cht frags + Py frags. Abund. Ds Py.						
		39°					32.9 Carb Slst						
	G7-0			S3			33.2 fault zone – gouge with frac + brecciated carb. slst						
					V		33.9 Py band (lam?) 6mm wide – with dissem. Calcite						
							34.75 Abund. white Qz veinlets – somewhat broken + distorted						
35	G7						35.2 Carb Slst – same as above – Several small faults –						
							35.8 f extremely broken up. – Weakly lam – 1-2% G4 lams						
		27°					36.45 f 1-2mm wide with abund. dissem. Py. Occasional Qz veinlets						
							up to 3mm wide, + some very fine veinlets (<1mm) of						
		29°					white, soft material (clay?) with minor Py + siderite						
							38.15 f						
40							40.0 f						
		28°	Py				40.6 f Massive Py "band" 8mm wide with dissem Qz + calcite.						
							40.9 f – dissem outward into country rock – Epithermal?						
							41.3 f						
							41.6 f						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 3 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							COMMENTS:								
	G_b	32°	N Cu	S_3			43.05 Carb Slst - cont'd Very weakly lam, 5-10% dissem Qz + feldspar grains <1% very fine Py cubes (locally 2-3%) Occasional Qz-carbonate veinlets 1-2 mm wide Native Cu in hairline frac								
45		34°													
		40°													
		38°													
			Py				47.75 Py band (lam?) 4mm wide, with dissem Qz + carbonate. Some small scale deformation.								
			Py	$S_{1,2}$			49.2 SS-1 (c) 4cm Abund Py grains + Ds Py								
50		27°		S_3			49.5 B-2(s) 3cm frags contain abund Ds Py								
							50.6 Several thin veinlets (1-2mm) of Qz-carbonate, with local dissem Py, + very thin (<0.5mm) stringers of white-light green, soft material (Talc?). Broken + strongly distorted.								
							51.7								
		32°	Py				52.3 Py + Talc (?) lam 2mm wide								
		31°													
55			Py				55.15 Py "band" 0.5cm thickening to 6 cm - lams preserved								
							55.6 Strong shearing approx parallel to core axis - cutting lams. Graphitic shear planes.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 4 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
							COMMENTS:						
				D3			Carb Slst cont'd						
							58.22 SS-1 (c) Ds Sld (2-3%), Py (1-2%) minor Sp? 58.40						
							Fault zone - gouge + small frags of A-3 + cht						
60				D1-2			59.90 B-5 (L-E, up to 30 cm) [A-3, A-2-c]						
		10°					Matrix B-2 (s-L) - several cht frags contain abund Ds specks + blebs of Py + minor Sp - Cp						
		flow 30°					62.85 A-2-c						
65							7-10% SS lams, 0.5-5 mm						
							66.00 B-5 (L-E) [A-3] B-2 Mtx Ds Py + minor Sp						
		25°					66.75						
							67.00 f 67.30 A-2-c Poss boulder						
							67.90						
		60°					B-5 (L-E, up to 40 cm) [A-3, A-2-c, A-2-a]						
		flow fax					B-2 (s-L) Mtx. Several frags contain Ds specks of Py + minor Sp.						
70													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: JASON PAGE No. 5 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							B-5 cont'd.								
							75.—								
							A-3 poss. boulder Strong CL ~ B-1								
							77.—								
							B-5 (L-E) [A-Z-c, A-Z-a, A-Z] B-2 Mtx [Cht (pyz + local sp), Arg, C-3 (AVz)]								
							80.70								
							Qz Vf 5%, 1-5 mm, Ds Sid + Py Two crossing sets of Vts, 85° to each other. 81.40								
							↓ decreasing frag size ~ less Arg.								
							A-Z + A-Z-a Frags, 10%, up to 10 cm ø								
							86.60 ↓ incr. frag frags								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 6 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
							B-5 (L-E up to 30 cm) cont'd [A-2, A-2-a, A-2-c] 40% vol B-2 Mtx [cht, Arg, C-3(S-L)] minor Ds Py + Sp.						
95							90.70						
				S1			B-1 (M-L) [A-2-c] 10% Few Py nodules.						
							92.20						
							B-5 (L-E) [A-2, A-2-a, A-2-c] B-2 Mtx Ds Py + minor Sp.						
97													
				S1			96.20						
							B-1 (S-L) [A-2] A few local cht frags (Py, Z + Sp)						
				S1/2			97.75 98.00						
	G9												
	G6						B-5 (L-E) [A-2, A-2-a] B-2 Mtx - Ds Py						
100													
				S1			100.30						
							A-2 Local Slst bands up to 4 cm with finely Ds Py - loca Py with a few fine cht frags						

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HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 7 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G6	37		S1			A-2 ~ local A-2-a Strong CL. ↓ grading into B-1								
105		28 25		S1			105.00 B-1 [A-2] a few local cht frags.								
				S1,2			107.70 B-5 (L-E) [A-2 A-2-a A-2-c] B-2 Mtx minor Ls Py + Sp								
110			Sid				111.75 B-2 (S-L) [A-1, some cht, Sid] Arg Mtx (Chlor. Alt?) Sid. Vt. 3-5%, 0.5-5 mm								
							113.20 A-2-a ~ A-2-b Local B-1 a few cht. frags.								
115				S1			115.80 Shear B-2 (S-L) [A-1, some A-2-a + cht]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

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SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							F-2 cont'd.								
							118.20 A-z-c Poss. boulder								
							118.70 f (8) highly frac - silt + clay 118.90								
							B-2 (m-L) [A-1, A-2-a, cht SS-1 (E)] 75% Arg mtx strong CL								
							122.20 f (10) silt clay + Arg frags slickensides								
							122.70 Gz V, 3cm, minor Ds Py grad contact								
							A-2-c Strong CL ~ B-1 (E) with several cht frags								
							126.30								
							A-2-a Strong CL ~ B-1								
							128.50								
							A-2-c Strong CL ~ B-1 (L) with a few cht frags								
							sid Vt, <1%, 2-5 mm								

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SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							B-5 (L-E) [A-1, A-2-c few Slst. with Ds Py] B-2 Mtx minor Ds Py + Sp								
							133.70								
							A-2-c Strong CL ~ B-1 - few cht. frags. Py nodules common								
135															
		50°					136.35								
							A-3 Poss. boulder								
							137.55								
							B-2 (M-L) [A-2-c, A-3 minor cht + Slst]								
							138.70								
							A-3 boulder? 139.10								
							B-2 (M-E) [A-2-c, A-3, SS-1(f), Cht]								
140							140.20								
							A-3 boulder? 140.80								
		60°					A-2-c Strong CL								
							143.70								
							B-1 ~ local B-5 (M-E) [A-2-c] Few local cht frags.								
145							145.50								
		60°					A-2 ~ A-2-a Ds Py in SS. lams Poss. boulder								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 10 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	0°-5°		S1			147.00 B-1 ~ local B-5 (L-E, up to 30 cm) [A-2, A-2-c] Strong flow texture (CL?) Locally a few cht frags. (pyz), <1cm + SS-2(f) frags ↓ fewer A-2-c frags								
150		flow tex	Py nod												
		38°					151.80 B-1 (M-E) [A-2, some A-2-c] <1% SS lams, 0.5-2mm frags blend into mtx of similar comp - fuzzy weak - mod flow tex (cleavage?) Few local Sid-Qz Vt, <1%, 1mm-1cm.								
		25°	Sid Qz												
		35°													
155		0°-5°	Sid Qz				154.60 B-1 (M-E) cont'd. [A-2, some A-2-c] strong flow tex (CL?) Sid-Qz. Vt, 1%, 1mm-1cm, broken + distorted some Ds Py.								
		flow tex					156.80 ~~~ shear								
			Py nod												
160		0°-5°													
			Qz Sid				Sid-Qz. V, 1-2 cm with minor Py - broken up.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 11 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	0-5° flow tex		S1			B-1 (M-E) cont'd [A-2, some A-2-c] <1% SS lams Strong flow tex.								
165							165.50								
		25°					weak ~ mod flow tex (CL?)								
							167.65								
			Qz Sid Py				Strong flow tex (CL?) Frags. up to 10 cm - Qz-Sid Vt, 3mm, minor Ds Py								
170							170.30								
		33°	Py nod				~~~ Shear weak flow tex. Lums cut + slightly offset Few stringers of Qz-Sid-clay, <1%, 0.5-5 mm with some Ds Py								
							173.00								
		28°	Py nod Sid Qz				Strong flow tex. (CL?) A few Qz-Sid Vt, <1%, 1mm-1cm, minor Py.								
175		0-5° flow					174.70 ~~~ f highly frac, some clay A couple of small Py nodules with Qz-clay rims. ~~~ Shear ~~~ Shear								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 12 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G.5		Qz	S1			B-1 (M-E) cont'd [A-z, some A-z-c] Strong flow tex								
							179.20								
180							B-1 (M-E up to 20cm) [A-z-c, A-z] 2-5% SS lams, 0.5-4 mm Few Py lams, <1% shear Frags have fuzzy edges - blend into matrix Mod - Strong flow tex (CL?)								
							182.80								
							B-1 (M-E) [A-z some A-z-c] 1-3% SS lams., 0.5-4 mm A few broken up fine Pyr lams								
							184.60								
185							Highly frac poor recov., clay. Shear zone								
			Qz Cal				185.50								
							Strong flow tex (CL?) Local Sid-Qz Vt, <<1% with DS Py - broken up shear								
							189.50								
190							Weak flow tex (CL?)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 13 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							COMMENTS:								
							B-1 (L-E) cont'd [A-2 some A-2-c] 1-3% SS lams - incr. downward up to 1cm wide weak flow tex (CL?) 195.10 B-1 [L-E] [A-3] 7-10% SS lams, .5mm - 1cm, x-lam + loading 195.50 broken contorted Sid Vt, 1cm with Ds Py Sp Gl + CP 196.45 15 cm band SS-z(f) - some x-lam Weak flow tex (CL?) Lams slightly offset Locally SS lams bunched in bands up to 6 cm. Few Py nodules, some with Gz-clay rims small shear 201.80 Qz-Sid Vt, 2mm with minor Ds Py parallel to core 205.75 Strong flow tex (CL?) Lams broken + contorted							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 15 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-5 (L-E) [A-2-c, A-2]

30-40% B-2 Mtx - Mainly muddy Arg + Arg clasts,
1-2% cht frags (S-M) a couple 2 cm abund
Ds Py
Strong flow tex (CL?)

226.00
226.25 SS-2 (m-f) 15 cm graded ?

A-1-a 1-2% SS lams. 0.5-8 mm

226.60 f. highly frac, clay (gouge)

B-2 (S-M, some L) [A-2 cht (20%) contain Ds Py + minor Sp]
50%+ Sandy Arg Mtx Few Py frags (or nods)
Mod - strong flow tex (CL?)

230.00 Fault gouge (80%) + frags of B-2 + Arg.
poor recovery

231.05

A-1 ~ A-1-a <1% SS lams, 0.5-1 mm
Few thin Qz Vt, <1%
Highly frac - locally sheared - some gouge
Lams approx parallel to CA

233.50
233.90 B-5 (L-E) [A-1, A-2] B-2 (S-L) Mtx [Abund. Cht frags, minor Ds Py + Sp]

Fault gouge (90%) + small B-5 fragx.
Poor recovery

235.35

B-5 (L-E, up to 20 cm) [A-2, A-1]
B-2 (S-L) Mtx [Abund. Cht frags (20%) - with Ds Py + Minor Sp]
Some cht frags up to 7cm

236.60
A-1-a

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 16 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G5			S3			A-1-a boulder? cont'd								
							237.80 Lams truncated by B-5.								
				S1,2			B-5 (L-E, up to 20 cm) [A-2, A-1]								
							B-2 (S-L) Mtx Abund clt frags, up to 7cm, many with Ds Py specks + a few with Ds Sp specks.								
240							Local thin Qz Vt, 1%, broken + offset by CL?								
							242.50								
							B-1 (L) [A-1] Arg Mtx (40%) same comp strong flow tex (CL?)								
							Poss boulder in B-5								
							243.80 B-5 s/a above								
245							244.95								
							A-2 Poss boulder								
							245.50 B-5 s/a above 15cm frag of SS-1 (m) with 3-5% Ds Py								
	G6						246.40								
				S3			246.90 Shear A-3 10-15% SS lams, 1-3 mm x-lam								
							A-2 weakly lam.								
							weak CL. - Local shears -								
							Shear								
							Shear slickensides								
250							250.30								
	G5			S1,2,3			B-5 (L-E, up to 20 cm) [A-2, A-1, some A-2-C, + Slst]								
							B-2 (S-L) Mtx [Abund clt frags, 20%+ up to 6 cm, some with Ds Py + a few with Ds Sp]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 | CLAIM: | PROPERTY: Jason | PAGE No. 17 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							B-5(L-E) cont'd. Few Qz Vt within some frags. <1%, <1mm.								
							253.90								
							B-1 ~ local B-5 (L-E) [A-2 some A-2-c] Strong flow tex (CL?) Arg. Mtx with local clt frags (S-M) 1-2 %, many with abund. Ds Py + some with abund. Ds Sp. Local Qz-Sid Vt, <1%, 1mm-1cm, Some with Ds Py + Sp.								
							259.85								
							B-5 (L-E) [A-2, A-1] B-2 (S-L) Mtx [Abund clt frags several with Ds Py + some with Ds Sp] One 20cm SS-1 (m-f) frag with 7-10% Ds Sp specks (Mtx2) + 3-5% Ds Py.								
							261.00								
							B-1 (M-L) [A-2, some A-2-c] <1% SS lams. Muddy Arg Mtx of similar comp. - 30%+ Strong flow tex. (CL?) Few local Py nodules								
							Shear, slight frac. clay								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 18 of 41

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	Gb		Py nod	S1,2			267.20 B-5(L-E) [A-2, A-1, A-2-c] B-2(S-M) Mtx [3-5% Cht frags with Ds Py + minor Ds Sp]						
							269.00 B-1(M-L) [A-1, A-2] Strong flow tex (CL?)						
270							270.00 Shear zone (fault?) Highly frac. 20% clay frags. of B-1 [A-1, A-2] poor recovery						
							271.30 B-5(L-E) [A-1, A-2, some A-2-c] B-2(S-L) Mtx Cht frags 7-10% contain some Ds Py + minor Ds Sp A-2-c boulder?						
				S3			273.55 Shear (f?) 60% gouge with fine Arg frags. A-2-a - 3-5% fine SS lams, 0.5-2mm lams slightly disturbed A few qz-Sid Vt <<1% Poss. large boulder						
275		5°											
				S1,2			276.40 shear (f?) B-6(L-E) [A-1, A-2 Slst, SS-1(m-c)] B-2(S-L) Mtx [Abund. Cht, minor Ds Py + Sp]						
			Py vein				278.00 Shear Zone (fault?) Highly frac - poor recovery clay 80% B-6 frags 20% Py Vt, 1.5 cm, coarse xal		highly sheared zone (fault zone?)				
				S1			279.00 B-1(M-L) [A-1-a] Very Strong flow tex (CL?) Frags blend into Mtx						
280			Py nod	S1,2			Shear B-5 (L-E, up to 15cm) [A-1, A-2, some A-2-a] B-2(S-L) Mtx (30%+) [5-7% Cht frags some Ds Py + minor Ds Sp]. A few Py frags. + nodules.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 19 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G6						B-5 (L-E) cont'd [A-1, A-2, some A-2-a]		Shear zone (fault zone?) cont'd.						
							Highly frac - locally sheared poor recovery . abund silt + clay (Fault zone >)								
285							Few local Qz-Sid Vt, <1%, 1-2mm, minor Py								
290							290.80 — 1-10% Ds Py in gouge								
	G5						292.25 —								
							B-5 (L-E, up to 20 cm) [A-1, A-2, A-2-a]								
295							B-2 (S-L) Mtx (70%+) [cht(pyz), A-1, A-2, Slst, SS-2, a few frags fine gr "Ore zone" Py]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 20 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G5						B-5 (L-E) cont'd [A-1, A-2, A-2-a]								
		1°					B-2 Mtx contains abund Cht frags, 15-20%, up to 6 cm. Some contain Ds specks & blebs of Py + local Marcasite?								
		flow tex					Mod ~ strong flow tex (CL?)								
300															
		26° flow					301.75 shear								
							B-1 (M-L) [A-1 ~ A-1-a] Poss boulder								
							302.30 shear								
							B-5 (L-E) s/a above								
							303.80								
	G8		Dx Py				Fault (10) gouge + frags of Arg, B-5, + SS-2 Ds Py 3%								
	G5	17°					304.45								
305		flow					B-5 (L-E) s/a above								
							306.90 shear								
		21° flow					307.95								
	G8						Fault (10) 80% gouge, 20% Arg + B-5 frags.								
							309.20								
	G5														
310		15° flow					B-5 (E) [A-2 A-2-c, A-3]								
							B-2 (S-L) Mtx [Arg, Cht (few pyz), SS-2 (f), Py]								
							312.00								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 21 of 41

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5			S1,2			312.00								
	↓	15°					A-2 Strong CL ~ local B-1 (L) Poss. boulder.								
							313.40								
							B-6 (E) [A-2-a, A-3, Cht, SS-1 (f-m)]								
		13°					B-2 (M-L) Mtx.								
							↓ incr. A-3 frags. decr. cht.								
		17° flow tex													
320															
		14° flow					323.20 grad. contact incr. matrix ↓								
							B-5 (L-E) [A-2-a Some A-3]								
325		17°	Pu nod				Mtx B-2 ~ pebbly mudst. (50%)								
							326.80 f? (?) highly broken incr. silt (gouge)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 22 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G5			S1,2			B-5 (L-E) cont'd								
		17°	Py				grad contact decr mtx, incr cht								
							328.70								
							B-5 cont'd [A-2-a, some A-3]								
330		17°					B-2 Mtx cht 30%								
							330.10								
							B-5 (L-E) cont'd. [A-2-a, A-3]								
							B-2 Mtx (50%) cht 5%								
							Three local beds? of C-3 (S-L) 8-25 cm wide								
		21°													
335															
							335.30								
							decr Mtx incr cht								
							B-5 (L-E) cont'd [A-2-a, A-3]								
							B-2 Mtx cht 25%								
			Py				338.55 f(10) gouge + Arg frags. Ds Py, 1cm vein-like								
							B-6 (L-E) [A-2-a, A-3, cht, SS-2(m)]								
340							B-2 Mtx abund. Cht								
							340.40								
		20°					B-2 (M-L) [Arg, Cht, SS]								
							341.80								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 23 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							342.50 f (3) B-5 (L-E) [A-2-a, A-3] B-2 mtx ★ ★ ★ MARKER "D" C-3 (M) Qz, Vt + mass (near fault), 7-10 %								
							344.30 f (a) ~~gouge~~ cht, ~~Arg~~ Qz Three graded sequences C-3 → SS-4 approx 60 cm wide 1.5 cm → .3 mm								
							346.60 B-2 (M-L) [Arg cht] Few Qz Vt minor Py 347.47 A-2-c upper 10 cm, Qz Vt, 10%								
							348.70 f (a) gouge, Arg, cht frags, Qz Vt, 7-10% A-2-c local strong CL								
							Very strong CL ~ B-1 (M-L)								
							356.10 A-3 Very strong CL								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 24 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G5						A-3 Strong CL ~ B-1 Mtx 5-10%								
							359.40								
360							A-3 ~ A-2-C Strong CL ~ B-1 Mtx 3-5%								
							362.10								
		30°					A-3 ~ A-2-C Strong CL								
		35°													
365		35°													
		30°													
							367.60								
							A-3 ~ A-2-C very strong CL ~ B-1 Mtx 5%+								
370															
		20°													
		30°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 25 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5														
		35°					A-3 ~ A-2-c Mod ~ Strong CL cont'd bedding angles fairly consistent								
				S1											
375		35°													
		25°													
		35°	Py mod												
380															
		40°													
							↓ incr. SS lams.								
		56					384.05								
			Qz		gouge		fault (10) gouge, clay, frags. of A-3 + Qz Vt								
385		40°					348.70								
							A-3 disturbed.								
							385.45								
							fault (6) gouge, clay, A-3 frags.								
							386.10								
							A-2-b disturbed								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 | CLAIM: | PROPERTY: Jason | PAGE No. 26 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

390

395

400

A-2-b cont'd highly disturbed.

388.20

B-5(L) [A-2-a, A-3]

Mtx B-2 ~ pebbly mudst.

390.55

Bouma B-C bed ↑ (m-f)

B-5(L-E up to 25 cm) [A-3, A-2-a]

B-2(M) Mtx.

294.40

B-5 cont'd. Pebbly Mudst. Mtx.

395.66

A-2-c broken distorted

397.00

B-5(L-E) [A-2-a, A-3] Pebbly Mudst Mtx

397.80

A-3 ~ B-1(E)

399.62

B-5(L-E) [A-3, A-2-a]

Mtx. B-2 ~ pebbly Mudst.

401.10

SS-4(c~m) **[correlates to 77-26, 66.20 m]

401.70

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 27 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

405

B-6 (L-E) [Mainly A-2-a, some C-2 (S-M), SS-5 + Cht]
B-2 (S-M) Mtx
* [C-2 frags lith. similar to 414.53 - 416.80m]

406.50

B-3 (L-E) [A-2-a] C-2 (M) Mtx

407.50

B-5 (L-E) [A-2-a, A-3]
B-2 Mtx, 20%

410

411.60

B-6 (L-E) [A-3, A-2-C, C-2 (M-L), SS-5]
Mtx B-2 (S-M) ~ pebbly mudst.
* [C-2 frags. lith. similar to unit below.]

414.53

C-2 (M)

415

416.80

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 28 of 41

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5						B-5(E) [A-3] B-2 Mtx								
	G2	47°					417.59 SS-1 (c) 417.90								
	G6	40°	Py nod c bed replace				A-2-c								
420		37°	Py nod c bed replace				420.00								
		40°					A-3								
		35° 38°					Py nodules common within SS lams. Replacement feature? Lams preserved								
	G5	25°					423.40 B-5(L-E, up to 30 cm) [A-3, some A-2-a, + one frag. SS-5] B-2(S) Mtx								
425	G4		G2				425.61 Fault (g) gouge. Arg frags + clay poor recov. 426.42								
	G5	35°					B-1 (L-E) [A-2-a, some A-3] Few local cht + Py frags. in Mtx								
							429.00 B-5(E) [A-2-a] B-2(S) Mtx [Arg. cht. SS, Py]								
430		35°					430.20 B-1 (L-E) [A-2-a, A-3] Very few fine cht + Py frags.								
		35°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 29 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag

B-1 (L-E) cont'd
[A-2-c, A-2]
Locally very few cht pebbles
Qz - Sid Vt, <1%, 0.5-3mm Ds Py.

no cht frags.

438.70
Sid Vt, 1-2%, <1mm
439.80
highly frac ~ sheared
440.44

A-2-c ~ A-2 minor Ds Py in SS lams.

443.18
Qz-sid Nwk, 25%, 1mm-2cm. Ds Py blebs.
444.00
SS-4 (c→m) Py Ds, <1% + minor Sp.
** [78-31 444.5-445.9m correlates to 77-26 113.5-114.7m] *(Marker C)*
445.20
B-2 (S-M) [A-1, Cht(pyz)]
445.90
B-5 (L-E) [A-1, A-2]
B-2 (S-M) Mtx

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 30 of 41

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	35° flow tex					447.45 — highly frac ~ sheared, frags. of A-1, + A-2, clay — 448.00								
							B-5 (L-E) [A-2, A-2-C]								
							B-2 (S-M) Mtx [Mainly A-2, A-2-C, some SS-2 (f) (pyz) Slst + Cht (pyz)]								
450		35° flow tex													
							451.90 — Shear zone some clay + frags of A-2, A-2-C, B-1								
							452.90 —								
	G5		Pu rod				B-1 (L-E) [A-2-C] ~ Local B-5 (A few cht + SS-1 (f) frags. in Arg Mtx) (Ds Py)								
	G6	35° flow tex	Pu films												
455							455.50 —								
	G5	20°					A-2-C minor Ds Py in SS lams. Poss. boulder.								
							457.40 —								
	G6	22°	Pu ten				B-5 (L-E) [A-2, A-2-C] B-2 (S-M) Mtx [Arg, Cht (pyz), SS-1]								
							458.40 — A-2 ~ A-2-C boulder?								
							459.50 —								
460			Pu frag few				B-1 ~ B-5 (L-E) [A-2, minor A-2-C]								
							Arg. Mtx - Locally few cht + SS-1 (m-c) frags								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 31 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

462.15 f (3) clay + Arg frag.
462.40

B-1 ~ B-5 (L-E, up to 50 cm) cont'd.
[A-2, A-2-c]
Qz Vt, 1%, 1-5 mm.

464.88 SS-4 (c → f) several sequences, 2-20 cm * (Marker B) *
** [correlates to 77-26, 136.0-137.3m 78-28]
466.04

B-5 (L-E, up to 40 cm) [A-2, A-2-c]

B-4 (M-L) Mtx [A-2, A-2-c, cht, Slst, SS]
Ds Py (1%) + minor Sp.

470

472.40 SS-2 (c) with interlam. Arg (1-4 cm) — few Arg frags (2-4 cm)
472.86

B-5 (L-E) [A-2, A-2-c]

B-2 (S-M) Mtx ~ local B-4
Ds Py + minor Sp.

475

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 32 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-5 (L-E) cont'd.

Local Qz Vt, 1mm - 1.5cm

479.46 — SS-2 (m-c) few Arg + cht pebbles.

480.46 — B-5 (L-E) [A-2-c] B-2 (S-L) Mtx

481.54 — SS-4 (c → m~f) several graded sequences 2-20cm. A few Arg + cht pebbles.

* Marker Bed xxx [78-31, 479.46 - 483.50 m. correlates to 77-21 77-26 78-28, 832' - 837'

483.50 — B-2 (S-E, up to 30cm) [A-2, A-2-c, SS-1 (m-c), SS-5, C-2 (M-L) (Sil., Unit 2?)

Several frags contain Ds Py + minor Sp.

487.42 — C-2 (S-L) (highly sil.) several frags have alt rims. few Sid frags. Ds Sid., Py, + minor Sp

Qz Vt, 1-2%, 1mm - 1cm one 7cm cht frag.

Sid Vt, 1%, 1-5 mm

Poss. boulder

490.03 — B-5 (L-E) [A-1, A-2] B-2 Mtx.

Few Sp frags 2-6 mm - frags contain Ds Py + minor Sp

491.50 — A-1 ~ A-1-a

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							A-1 ~ A-1-a cont'd. - some carbonaceous SS. lams, 1%, 0.5-5 mm with minor Ds Py								
							Silic Py lam, <3%								
							494.40								
							494.77 B-2 (S-L) [A-1, SlSt, SS-2 (f) + Cht, few Py + Sp frags] Ds Py + minor Sp								
							495.30 A-1								
							Shear zone								
							Some clay, + frags of A-1 + B-2 (S-M) (few Sp frags 2-4 mm)								
							496.21								
							A-1 ~ A-1-a (carbonaceous)								
							Locally Bx - B-2 (S-M) Mtx - Few Sp frags <4 mm								
							Ds Py + minor Sp.								
							Qz-Sid Vt, 1-2%, 1-3 mm								
							↓ incr Bx								
							500.10 Qz V, 2 cm, minor Sid + Py								
							500.22								
							B-5 (L-E) [A-1, A-1-a]								
							B-2 (M-L) Mtx Cht contains Ds Py + minor Sp.								
							502.02								
							A-1-a (carb.) Local interlam SS-2 (m-c).								
							503.50								
							503.83 SS-2 (m-c) 1-3% Ds Py								
							Shear zone Qz, Vt + Nwk, 15%, 1-5 mm Py, Ds, 3-5%								
							B-2 ~ SS-1 (c) recognizable.								
							505.05								
							Bouma A-B-E, several sequences 1-10 cm. Abund Ds Py								
							505.80 Qz-Sid Vt, 1-2%, 1-3 mm, Ds Py + Sp								
							506.25 B-3 (S-M) [A-1, A-1-a] SS Mtx.								
							SS-2 (m-c) ~ local SS-5 some grading	* (Marker A) *							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 34 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
							COMMENTS:						
							507.19 — 507.39 B-3 (m-L) [A-1] SS-5 Mtx						
							SS-4 (c→f) few sequences ↑						
							Some SS-5 cht + A-1 pebbles (rip-up clasts)	*	(Marker A) * cont'd				
							Highly contorted bedding.						
							508.92 B-4 (M-L) [A-1, A-2, cht, SS-1 (m-c)]						
							SS (m-c) Mtx						
							510.10 SS-4 (c→f) few seq up to 20cm ↑						
							510.94 Py Ds, 3-5%						
							B-5 (L-E) [A-1-a with local beds of SS-4 (c-f) 1-5mm]						
							B-2 (S-M) Mtx [Mainly A-1, A-1-a, some cht (pyz)]						
							Qz-Sid Vt, 2%, 1mm-1cm, Ds Py + Sp						
							514.8 A-1-a (carb) Poss. boulder.						
							515.30 B-5 (E) [A-1] Mtx B-2 ~ SS-5 (pyz frags)						
							A-1 (carb) one SS-4 (c→f) bed (11cm pyz) ↑						
							516.77 — SS						
							517.27 B-5 (L-E) [A-1, A-1-a]						
							Mtx B-2 (S-M) (pyz) ~ SS-5 (M-c)						
							519.00 A-1-a (carb)						
							Occaisional SS-2 (f-m) bands 2-5%, 5mm-10cm						
							with abund. Ds Py, 20-90%						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 35 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

A-1 ~ A-1-a (carb) cont'd

Several Pyz SS. lams

Local Qz Vt

530.70 — 531.55 Z-Z grading to SS-5 ↑ abund Ds Py

A-1 ~ A-1-a (carb)

Few Pyz SS. lams.

Highly folded + disturbed bedding.

Highly contorted

Qz-Py-Sid Vt. 2-3%, 1mm - 1cm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 36 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

HQ ⇕ NQ

B-5 (L-E) [A-1, A-1-a (carb)]
B-2 (S-M) Mtx Py frags up to 4cm
Abund Ds Py
538.88

A-1 ~ A-1-a (carb)
Occaisional Py bands 1-3 cm

543.05
Several SS-2 (m-c) bands 20% + Ds Py

Very poor recovery (50%)
poss. fault (3).

A-1 ~ A-1-a Ds Py <3%

546.20
fault (6) very poor recovery (8% ±)
A-1-a thin Qz-Ser-Py Vt.
547.42
547.83
547.95 B-2 (M-L) Ds Py
A-1 ~ local A-1-a
548.70 SS-2 (f) lams. 5mm - 2cm 20-90% Ds Py

A-1 ~ A-1-a

highly carb

% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS					
		% Pb	% Zn	% Ba	oz/ton Ag		
	HQ ⇓ Reduced to NQ size core						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 37 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

552.32 — B-5 (L-E) [A-1-a] Mtx B-2(S) ~ SS-5 (Py frags + Ds Py)

553.12 — A-1 (carb)
lower part mod. Sil.

554.38 — Several SS-2 + SS-4 (c→f) beds (1mm - 2cm) with interbedded A-1-a Minor Ds Py

555.25 — SS-4 (c→f) several sequences 2-20 cm (Ds Py)

556.50 — 20 cm section of B-4 (M-L) at base

A-1-a (carb)

557.25 —
557.60 — Abund SS lams with carb. Arg. (1:1)

A-1 ~ A-1-a (carb, mod sil)

Local fine SS lams. (Pyz)

560.80 — A-2-a (carb, sil)
Pyr SS lams 10%, 1-2 mm.
Local Py, clay (+ Qz) bands (5 mm +) - contorted.

563.00 — B-1 (M-L) [A-1]

A-1 (carb., sil)

564.00 — B-4 (S-M) [A-1-a, SS(f), A-1, cht]
Mtx - Sil. Muddy SS(f)
Abund Ds specks + blebs of Py + Sp in frags. + Mtx

566.00 — B-2 (M-L) [A-1, B-4 (S/a above), Py]
carb - Arg - Mtx

very poor recovery

% CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS

SAMPLE INTERVAL & NUMBER	ppm % Pb	ppm % Zn	ppm % Ba	oz/ton Ag
559.19 (1.00m) 12470	105	1020	7500	
560.19 (1.00m) 12471	280	2780	7210	
561.19 (2.00m) 12472	86	1260	5855	
563.19 (1.00m) 12473	300	10160	7400♥	
564.19 (0.61m) 12474	740	>20000	2500♥	
564.80 (1.0m) 12475	370	17600	5900♥	
565.80 (0.82m) 12476	390	12200	5900♥	

♥ denotes interference

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 38 of 41

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

★ Footage (+ meterage) denote the end of each drill run (for collecting core + changing mnd)

DESCRIPTIVE GEOLOGY

B-2 cont'd
few Qz Vt with minor Sp, Gl, CP

Sludge Study (Vol %)

	Arg	ss or Wilthie	Cht	Qz Bar	Calc	Py	Sp	Biot
569.67 A-1 (carb) = 30 cm SS-1(f) bed (sil ≥ Py)	75	9		10	?	5+	1+	
A-1 cont'd: Local Py lam + band	85	5		7		3	some	
	90	3	1	3		3+	some ~1%?	
	75	10		10		5	1+	
574.85 — — — —								
0 % recov. fault?	Missing							
	75	8		15		2	?	
577.29 — — — —								
A-1 ~ A-1-a (carb, sil) Py lam. or band locally.	35+	20-		40-	some	5-	some	
	65	13-		20-		2+	rare	
578.97 — — — —	65	3	2	20		2	rare	
A-1-a (sil) finely lam Py + minor Sp	60	8	20	5		2	?	
	60	15	15	8+		2-	?	
	60	10	20	8+		2-		
579.88 — — — —	90	5		3		2+		
very poor recovery. fault? gouge (clay)	90	5		4+		1-		some
	80	10		9		1-		
	30-	10	8+	50+		2-		
581.41 — — — —	10-	15	2	75		1+	?	2
A-1-a see over	75	8		15		2		
	40	20		40		?	?	rare

% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	% Ba	oz/ton Ag
	12477 (1.53m)	540	10100	5900+	
	568.15 (0.90m)				
	12478	980	>20000	6500+	
	569.05 (0.62m)				
★ 1869'	12479 569.67	500	13400	7300+	
47.54 1873'	570.89				
28.57 1876'	571.80				
7.19 1881'	572.41 573.33				
3.29 1886'	574.85				
0 1890'	576.07				
0 1894'	577.29				
45.90 1896'	577.90 (1.53m)				
1899'	578.82				
1900'	579.12 (1.06m)				
60.66 1901.5'	12481	610	17150	7500+	
1902'	579.88 (1.07m)				
12.15 1906'	12482	480	7320	7400+	
	580.95				
52.70 1907.5'	581.41				
47.78	581.86				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 31 CLAIM: PROPERTY: Jason PAGE No. 39 of 41

COMMENTS:

Sludge study

Arg	S.S. or W. lithic	cht.	Bar. Qz	Calc	Py	Sp	B.ot
60+	17-	Some	25		2+	Some	4-
65	10-	5	20		Some	Some	Some
50	14-	Some	35-		1	?	
70	18,	Some	10-		2-	?	
Sludge Samples missing.							
45	10	13+	30		2-	?	Some
60	10	5	25	?	2	Some	Some
55-	20?	18-	5		2-	Some	Some
75	8-	4	10+		3	?	
80	4-	8	7		1+		
7-	8	10-	75	?	Some	rare?	Some
40	7	10	40	?	3+	rare?	Some
35	15	20	23		2		
60	25	3	10		2		
70	5	20	5				
65	10		23		2+	Some	
70	12		15		3+	Some	
70	8	15	7		?	?	
60	20		18		2-	Some	
50	10	30	8		2-		
30	28		40		2-		
40?	20?		40?		Some		
30?	20?	Some?	45?		5?		
65	8	2	20		5.		
60	20	4	15		1+		
60	20	8	10		2+	?	
85	3+	2-	8		2-		
75	4	5	15		1		Some

[Samples were collected in 61cm or 91cm (2ft or 3ft) interval. Due to better core recovery, sludges were not studied.]

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G7 & B.	13°						S(m)				
		28°				disturbed, (folded) very fine py & silt lam (wkly) G7 Arg. alternated with black Arg. occassionally py + clay bands		582.17 Δ x 582.47				
							87.58	582.78 Δ x	A-1-a (carb, sil) occasional Py lams + bands ↓			
							1916	583.39				
							70.69					
							1916	584.00				
							1917 50.00	584.39				
585						ditto, but less py lower part carb sh	57.38	584.6				
							1918	584.91				
						Gs Silic Arg. one 0.4cm Py bed	1919 19.35	585.22				
			Sp			fgt of Gs Silic Arg. with* Py diss. bed @ 8° * Qz veined + Sp + Py * two silt beds (0.1 to 0.2cm)	18.03	586.13 Δ x				
							1924	586.44				
						No core ? ★	0	586.89				
		24°				one piece Silic Arg. with very fine Py and silt lam	1925					
							3.95	587.20				
							1928	587.65				
		30°				Gs + Carb sh (silic, wk) few Gs silt beds. Py + clay + Qz veining (disturbed?)	1929 41.61	587.96				
	G7					Gs Arg. silic (wkly) Qz veinlet boundle + Sp + Py few Py veinlet	21.98	588.26 Δ x				
							1932	588.57 Δ x				
		30°					78.95	588.87 Δ x				
							1933 35	589.18				
590	G8					Qz veined Arg & C. sh slump & slided matrix clayey few Gs silt bed lam. G8 Arg	92.86	589.25 Δ x	589.25			
							1936	589.55				
								590.09	590.09			
							1937 5	6327 poor recov.				
							58.14	590.55 poor recov.				
		31°					1938	591.01 Δ x				
	G7					Arg. silic (wk) (R carbonaceous?) Py fine ly diss. (<2%) few Py beds (2mm optol Arg)	1939 26.67	591.16 Δ x				
							1940 93.75	591.46 Δ x				
							1941 70.00	591.62 Δ x	591.62			
							73.91	591.92 Δ x	A-1 ~ A-1-a (carb, sil)			
							1945	592.88				
		34°				Py ring shape dissem in Arg beds.	100.00					
							1949	594.06				
						fault (8) Poor recovery clay + silt	1950 43.33	594.36				
595							100	594.97				
							1951					
							54.10	595.58				
						disturbed. Δ Qz veined	1952					
		35°					80.33					
							1953	596.80				

ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
				Δ no wash, dry no. ★ not done magnetic treat.	
				★ brown very fine grain oxidized? shown by cht	
Qz - sid - Py, Vt + Nwk, 7-10%, 0.5-5 mm					
A-1 ~ A-1-a	(carb, sil)				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 40 of 41

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		30°							597.10						
		27°					A-1 ~ A-1-a (carb, sil)	100.00	597.41						
								75.00	597.87						
							Qz Vt, 1%, 1mm minor Ds Py	40.79	598.63						
		38°					599.20	80.33	599.24						
600		36°						100.00	600.15						
							A-1 ~ A-1-a								
							Local SS-2(f) lams <1%, 5mm - 1.5 cm with Ds Py, 20-90%	84.78	601.07						
		33°													
		34°					604.10								
		40°	Qz Sid Py				604.60 Qz-Sid Vt, 5%, 1-5 mm, Ds Py cubes + blebs.								
605															
		35°					A-1-a 1-2% fine slst. lams								
							+ local SS-2(f) lams, 1-2%, 1mm - 1cm with finely Ds Py, 5-80%								
		39°													
		45°													
		35°					608.40								
							608.90 Sid-Qz Vt, 5-7%, 5mm - 2 cm Ds blebs + Vt of Py.								
			Qz Sid Py												
610															
		33°					610.70								
		37°					Local Sid-Qz Vt, 1%, 5mm - 2 cm Ds Py								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-31 CLAIM: PROPERTY: Jason PAGE No. 41 of 41

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							A-1-a cont'd. few Sid-Qz Vt								
		40°					613.50 — incr. color lams grad. to A-2 — — —								
							A-2 A few local SS-2(f) lams 2-5 mm with Ds Py (20-80%)								
			Py				614.80 — Py "ring" 10 cm								
615		35°	Py				615.40 — "fuzzy Py band" 7 cm								
							615.85 — "fuzzy Py band" 2 cm								
		40°													
		34°													
		38°	Py				617.60 — "fuzzy Py band" 2 cm								
		36°													
							619.00 — Porous band 5 cm shear?								
619.35							619.30 — Porous band 10 cm shear? finely Ds Py								
						End									
						1									

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-32 | CLAIM Jason 5&8 | PROPERTY Jason | PAGE No. 1 of 7

CORE SIZE HQ | AZIMUTH Collar 180° 121.92m 170° | ELEV. COLLAR 1240.7 m | LOGGED BY J.D. Rowe

ANGLE of HOLE Collar -50° 121.92m -44° | TOTAL DEPTH 121.92 M | NORTHING 7002336.2 | DATE BEGUN Jun. 30th FINISHED July 8th 1978

SECTION | % RECOVERY 89.8% | EASTING 436490.7 | CORE STORED AT Jason Property.

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS: SCALE: 1cm = 1m

DESCRIPTIVE GEOLOGY

Depth	Inclin.	Az.
0 (M)	-50	180
30.48	-52	
60.96	-49	
91.44	-44	170
121.92	-44	170

0m

5

6

Overburden - glacial till, with boulders of Arg, SS + Congl.

39

40

% CORE RECOVERED

SAMPLE INTERVAL & NUMBER

ASSAYS

% Pb	% Zn	% Ba	oz/ton Ag		

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-32 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							Overburden cont'd								
							43.90								
45	56			S1	A		B-1 (L-E) [A-z-c] Some SS lams contain up to 30% finely Ds Py + Lim. Locally a few small cht frags in Mtx								
				S1,2			46.70								
							B-5 (E up to 40 cm) [A-z-c ~ A-z] B-2 (S-L) Mtx [Cht (some pyz), A-z, A-z-c, C-z (S-M), some B-z]								
				S1			48.15 A-z-c boulders.								
				S1,2			49.00								
50		37°	Qz Carb	S1			Az Vt <1%, 0.5-2 mm - some Ds Py.								
		37°		S3			51.60								
							A-z-C ~ Local A-3								
							Minor Ds Py in SS lams, some up to 30%.								
		35°													
55							54.86								
				S1,2 S3			55.60 Local B-5, B-2 Mtx Highly frac. Very poor recovery, some gouge. Qz Vt 1-2%, 1-3 mm.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-32 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 3 of 7

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb (ppm)	Zn (ppm)	Ba (%)	Ag (oz/ton)	Cu (ppm)
	G6	32° ↑? 27°	Qz carb	S3			A-2-C Ds Py 1-5% Local SS-2 bands up to 7cm. with 3-5% Ds Py Local Qz-sid Vt	92.8	58.20 (1.0m) 2553	62 ppm	06 ppm		–	
								100.0	59.20 (1.0m) 12551	44 ppm	207 ppm		–	
60		↑? 30°	Qz carb	S1			60.40 Bouma B-C bed B-1 (L-E) [A-2 ~ local A-2-C Py lams 1-2%, fine gr., 2mm - 1.5cm (ore zone Py?)] Local fine cht frags in Mtx		60.20					
		grad bed ?	Py				62.30 A-2-C frags. + boulders Minor lam Py 1.5cm							
			Py				63.25 B-5 (M-E) [A-2 ~ A-2-C with local Py lams 2-3% fine gr. 3mm-2cm (ore zone Py)]	GRAB SAMPLE	64.40 12519	290 ppm	206 ppm	1690 ppm		
65			Py				B-2 (S-L) Mtx [A-2, A-2-C, cht (pyz) Py + C-3]							
			Py				incr. B-2 Mtx (60%) C-3 (S-M) frag at 66.30 m (10 cm) has matrix of Py (60%) vuggy porous.							
		? 40° load cast												
							69.65 grad. contact.							
70			Py				B-2 (S-E) [A-2, A-2-C, cht (some pyz + alt. rims), SS-1 (c), A-1 (sil) Py lam, SS-5] Arg. Mtx with local fine Py lenses.	70.0	71.10 (1.0m) 12750	150 ppm	68 ppm			93 ppm

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-52 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 4 of 7

COMMENTS:

DESCRIPTIVE GEOLOGY

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							72.10 A-1 Framboidal Py clusters up to 1 cm ø (30%)							
							A-1-a ~ local A-2 non-sil, non-carb	70.24	72.10-73.10 (1.0)m 12751	152	53			102
							7-10% fuzzy Slst lams with v. finely Ds. Py	84.0	72.90-73.90 (1.0)m 12752	62	138			124
							<1% SS lams 1-5 mm, minor Ds Py + Lim	63.0	73.90-74.90 (1.0)m 12753	56	334			320
75							Strong cleavage ~ local B-1	90.5	74.90-75.90 (1.0)m 12555	44	174		-	
							Py Vt 1-2%, 2mm-1cm, minor Qz-Sid	98.7	75.90-76.90 (1.0)m 12556	60	162		-	
							Qz-Sid Vt, 2-3%, 1mm-1cm, Ds Py + lim	100.0	76.90-77.90 (1.0)m 12754	38	120			116
							78.00	84.0	77.90-78.90 (1.0)m 12809	73	140			163
							Qz Vt + Nwk, 10%, 1mm-2cm, minor Ds Sid + Lim	92.0	78.90-79.90 (1.0)m 12810	72	171			430
80							Py Vt, 2-3%, .5mm-1.5cm	89.0	79.90-80.92 (1.02)m 12811	36	120			83
							80.20	83.0	80.92-81.90 (1.0)m 12812	28	93			92
							81.00	89.0	81.90-82.90 (1.0)m 12813	26	95			176
							81.40 Qz Vt, 5%, 0.5-5mm, Ds Sid, Py, Lim	75.0	82.90-84.10 (1.2)m 12814	38	158			97
							82.30	99.0	84.10-85.10 (1.0)m 12815	32	85			82
							82.50 Qz Vt + Nwk, 5-7%, 0.5mm-1cm, Ds Sid, Py, Lim	90.0	85.10-86.10 (1.0)m 12816	47	38			64
							84.10	100.0	86.10-87.10 (1.0)m 12817	70	38			65
85							A-2 ~ local A-2-a non sil., non carb.							
							2-3% Slst lams, 5mm-4cm, abund. Ds. Py.							
							A few thin SS lams							
							Qz Vt << 1% 1-3 mm, minor Py.							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-32 | CLAIM: Jason 58 | PROPERTY: Jason | PAGE No. 5 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							A-z ~ A-z-a cont'd	105.0	87.10 (1.0)m 12818	106	51			107
								89.0	88.10 (1.0)m 12823	80	43			94
								85.0	89.10 (1.0)m 12819	129	28			65
90				S_1			87.70 — A-z moderately cleaved ~ B-1 (N-L)	100.0	90.10 (1.0)m 12820	123	32			72
			Py				frag. Py lams <1%, 1-5 mm							
		26°	Py	S_3			91.20 —	89.0	91.10 (1.0)m 12821	138	45			100
							A-z local strong CL. ~ B-1	71.0	92.10 (1.0)m 12822	104	37			82
			Py Sid				Py lams 2-3%, 1-4 mm ~ minor Qz + Sid							
				S_1			93.30 — Bx, frags <5mm Sid Mtx (15-20%)	89.0	93.10 (1.0)m 12755	280	51			130
			Py				94.10 — 5%+ Ds fine white grains (silica) + 1-3% fine Py	73.0	94.10 (1.0)m 12756	60	41			63
95				S_3			Qz-Sid Vt + Nwk 30% Py							
							A-z 1-3% Ds fine white grains (sil)	80.0	95.10 (1.0)m 12757	144	137			113
			Py				96.20 —	71.0	96.10 (1.0)m 12758	123	208			60
	67	23°					A-z ~ weakly ~ mod. carb., weakly sil							
							A few (<1%) hairline stringers of clay? material.	73.0	97.10 (1.0)m 12759	150	111			72
			Py				98.40 — Strong cl. A-z, weakly ~ mod sil, vuggy + porous	88.0	98.10 (1.0)m 12760	240	810			104
			Py				Qz-Sid Vt + Nwk, 5-7%, 1-5 mm							
		27°					99.20 — A-z weakly ~ mod carb. weakly sil ~ locally mod sil	104.4	99.10 Ag (1.0)m 12761	186	62			66
100							100.00 ~~shear~~ —		100.00 (1.0)m					
							A-z (highly sil weakly ~ mod. carb) Locally vuggy	68.0	12762	183	34			38
			Qz Py				Highly frac. graph. stylolites, generally parallel to lams		101.00 (1.0)m					
							Local Qz-Sid Vt. 1-2% 0.5-5mm ~ some Ds Py	64.0	12763	180	53			47

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-32 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 6 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							2cm med-coarse xal Sid band.							
	G7	42°	Qz Py	G3	highly frac (pass fault zone)		A-Z (highly sil) cont'd mod. frac. Few graph stylolites. Qz Vt + Nwk, 2-3% Sid Vt + Nwk, 0.5-5 mm - minor Py	70.0	12764	152	63			128
		42°						63.0	12765	200	54			78
								74.0	12766	184	35			62
105	G6-7		Qz				105.10 Several G-3 chert bands/lams over 20 cm section 15% vol, 2-6 mm, 3-5% Ds Py	60.0	12767	220	58			68
		45°	Qz				***[78-32, 100.00 - 118.80 m correlates to 78-30, 195.90 - 224.90 m]	78.0	12768	147	34			75
								81.0	12769	113	39			152
	G6	42°	Py Cp Qz				107.70							
							Qz Vt + Nwk, 7%, with Ds Py (<1%), minor Cp + a few specks Sp 108.40	78.0	12770	133	42			82
							Qz Vt, 2-3%, 0.5mm - 1cm Local lenses + lams? (<0.5mm) of white min. (silica?)	69.0	12771	136	22			213
110			Qz					56.92	12772	165	51			890
			Py Cp Sp				110.65 Qz Nwk 2-3%, with mass. Py blebs 10-12%, + Cp 2-3% 110.90 Qz Vt, 3-5% 0.5mm-1cm, with 1-2% Sp blebs	83.0	12773	450	3820			>4000
		22°					111.60							
							A-Z (highly sil) cont'd. mod - strong frac. abund graph. stylolites;	78.0	12774	560	213			505
								59.0	12775	1460	49			249
		15°					Qz Vt, 1-2% with minor light green - white min. (Talc?) + minor Py	89.0	12776	600	84			147
115		24°						109.0	12777	700	42			88
			Qz				115.90							
			Sid				Sid, coarse xal, 70-80%, Ds Py 5-10%, 10-15% Arg frags. Sid Vt, 3-5% 1cm 116.30	100.0	12778	450	72			660
							A-Z (highly sil) strong frac, abund stylolites, Qz Vt 2-5% 0.5mm	91.0	12779	47	25			85

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-32 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 7 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
	G6	35°		S_1			A-2 (highly sil) Abund Qz Vt + Nwk incr. toward fault.	67.33	117.30 (1.50m) 12780	390	50			61
			Qz	S_1			118.50 Fault poor recov., gouge, + frags of A-2 (sil) Qz Vt, 5% 118.80		118.80 (1.20m)					
	G2			$S_{1,2}$			B-2 (s-l) [Cht, A-2 (sil), A-1 (non sil, non carb) + Py (few)]	68.33	12781	65	69			39
120	G7	30° Flow Tex		S_1			120.00 Carb. Slst. ; disturbed bedding ; Local B-1 with a few SS-1 frags.	75.0	120.00 (1.0m) 12782	150	>8			82
121.92				$S_{1,2}$ Bl		N.O.V.F.	121.40 B-2 [Carb slst] B-2 Mtx [minor cht (pyz) + A-1] 121.60 Carb Slst disturbed 7-10% Ds Py 121.92	88.06	121.50 (0.92m) 12783	188	47			61
						End			121.92					

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 | CLAIM Jason 57 | PROPERTY Jason | PAGE No. 1 of 11

CORE SIZE HQ | AZIMUTH Collar 180° 152.4m 179° | ELEV. COLLAR 1246.6m | LOGGED BY J.D. Rowe

ANGLE of HOLE Collar -62° 152.4m -61° | TOTAL DEPTH 154.53m | NORTHING 7902368.1 | DATE BEGUN July 10th FINISHED July 17th 197

SECTION T | % RECOVERY 85.8% | EASTING 436381.9 | CORE STORED AT Jason Property

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | SCALE: 1 cm = 1 m | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

DESCRIPTIVE GEOLOGY

0m

Depth	Inclin	Az
0 m	-62	180°
30.48	-64	172°
60.96	-63	176°
91.44	-62	179°
121.92	-62	179°
152.40	-61	179°

5

Overburden

10

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 2 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
15							Overburden - contd								
20															
	3.5			S_3			21.34 A-2-c ~ A-3 Some finely Ds Py in SS lams local x-lam. + loading. 7-10% SS lams. 0.5-5 mm (locally 3 cm) Qz-Sid. Vt, <1%. -5 mm. Highly broken core, strongly oxidized.								
25		45° 20° 25°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 3 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5			S3			A-2-c cont'd								
	G3	x-lam					28.20 SS-2 (c) mod - highly sil Sid Vt, 1% 1mm								
	G5	35°					28.40 A-2-c								
	G3						28.80 SS-2 (c) Mtx contains Ds Sid, 10-15% + Py, 2-3%								
	G5	23°					29.50 A-3 40% SS lams 1mm - 2cm								
							29.80 SS-1 (c) 3-5% Ds Py								
30	G1						30.05 Mass Qz V with minor intergrown soft green min. Talc?								
	G3						30.55 SS-1 (c) ~ local SS-2 Sid Ds + Mtx, 10-15%								
							Qz Vt 2-3%, 1mm-1cm Local graph stylolites, <0.5mm								
							31.85 30% Arg lams, 1-3 mm wide over 10cm section								
							SS-1 (c)								
	G5	28°					33.25 30% Arg lams 0.5-2mm - slight contortion								
	G3						33.60								
							SS-1 (c)								
35															
	G1						35.50 Mass Qz V								
	G3						35.70 SS-1 (c)								
	G1						36.30 Mass Qz V - abund graph. stylolites								
	G3						36.70								
							37.20 Mass Qz 6cm								
			Py lim				37.45 Crushed Rock + clay (gouge) SS + Qz, Lim + Py blebs								
	G1						38.00 Mass. Qz V								
	G3						38.40								
							SS-1 (c) - local SS-2 mod - highly sil.								
40		24°?					Few Arg clasts up to 5mm, <1%								
							Py Ds 2-3%								
							Sid Ds - Mtx, 5-10%								
							Sid. Vt 1-3% 1-5mm								
							Qz Ds <<1% 1-2mm								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 4 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							COMMENTS:							
45							42.20 A-Z to SS-Z with a few fine Arg lams, x-lams 42.70 SS-1 (c) = local SS-2 Sic DS 1-2% local Sid. Mtx 5-10% Sid Vt 1% 1mm several Arg/Z ~ top of beds over 10 cm section upper contact 46.00 Qz + Z cm wide with minor CP Shear - broken up minor clay (gouge) 30% Per Arg lams over 10 cm section 47.10 30% Arg lams 5 cm section 48.05 30% Arg lams 15 cm section							
50							47.10 Minor Qz V with minor grey green min (Talc?) c'a, a P 47.40 49.60 30% Arg lams 4 cm section 51.05 Qz V 3 cm (parallel) to bedding 30% Arg lams 0.5mm - 1cm - over 20 cm section 51.60 40% Arg lams 8 cm section Sz Vt 10% 1-5mm 52.45 A-Z 10 cm Qz V 20 cm with Ds Py 3% + Sid 53.30 f/b 53.50 53.75 Highly Frac 50% SS, Mtx + Vt. Qz(10%), Sid(20%) Py(20%) minor CP		53.50 1.0m 12695	ppm 63	ppm 62			ppm 870
55							SS contd Sid Vt, 5-7%, 1mm-1cm with Ds Py (2-3%) Qz Vt, 5-7%, 1mm-1cm 55.40 ?(?) gouge - frags of SS, Arg + Qz B-1 (L) [A-2, A-2-a] (occais Pyz SS lam) non Sil, non calc Qz Vt + Nwk 5% 0.5-5 mm Sid. Vt. 1% 0.5-3 mm	100	54.50 1.0m 12696 56.40	48	58			185
								71	1.0m 12697 58.40	54	83			185
								62	1.0m 12698	61	64			105
								32						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 5 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	% Ba	oz/ton Ag	Cu ppm
	G5-6 ↓	50°		S3 ↓			A-2 ~ local A-2-a		57.40	ppm	ppm			ppm
							non sil non carb.	76.0	(1.0m) 12699 58.40	44	54			87
		grad	Qz Sid				A few local thin SS lams with minor Ds Py	[illegible]	(1.0m) 12700 59.40	78	106			104
		33°					2-3% G3 Slst lams 2mm-2cm with finely Ds Py							
							or Marc 1-2% (locally 30%)	[illegible]	(1.0m) 12701 60.70	72	115			135
		43°	Py mod				Locally abund Py-Marc lams - decreasing down hole							
							Qz-Sid Vt, 1-2%, 1-3 mm with Ds Py	[illegible]	(1.0m) 12702 61.40	58	62			97
								94.0	(1.0m) 12824 62.40	63	112			71
		43°					Py-Marc lams <1%, 0.5-3mm							
							Sid-Qz Vt, <1%	92.0	(1.0m) 12825 63.40	48	81			63
		38°						93.0	(1.0m) 12826 64.40	56	203			85
65			Py lams					70.0	(1.0m) 12827 65.40	62	128			100
							several Py-Marc lams, 5% 1-2 mm	91.0	(1.0m) 66.40	62	233			103
		35°						100.0	(1.0m) 12829 67.40	83	104			125
		35°						80.0	(1.0m) 12830 68.40	78	64			107
			Py lams					92.0	(1.0m) 12831 69.40	88	79			79
70		40°					70.00 A-2 weakly sil, weakly ~ mod. carb	94.0	(1.0m) 12832 70.40	86	61			54
							Py-Marc lam, 3-5%, 1-2 mm							
							70.85 A-2 weakly lam. mod sil, weakly ~ mod carb.	86.0	(1.0m) 2833 71.40	70	102			58
							locally highly sil [illegible] highly cleaved ~ B-1 [illegible]							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 6 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	% Ba	oz/ton Ag	Cu ppm
	G6	36°	Py lams	S3			A-2 cont'd Some graph frac surfaces. Local Py-Marc lam 1% + Qz-Sid Stringers <0.5 mm	98.0	72.40 128.34	90	100			65
								78.82	(1.35)m 12835 73.75	88	74			174
							73.75 highly broken - poor recovery A-2 (weakly lam) ~ local A-1 highly sil, weakly-mod carb. Local abund Ds fine white grains (silica?)	37.6	(1.25)m 12703 75.00	83	75			83
75		65°					highly frac + Bx Abund. graph shears? + stylolites Qz-Sid Vt. 2-3% 1-2 mm with Ds Py	80.6	(1.0)m 12704 76.00	51	42			186
			Py					100.0	(1.0)m 12705 77.00	91	42			109
							77.20 Two thin Py-silica lams 1mm 10cm apart Contorted	76.0	(1.0)m 12706 78.00	101	193			365
							77.70 77.90 Bx. A-2 frags, 1mm-4cm Sid Mtx 40% with intergr. Qz + Py	85.0	(1.0m) 12707 79.00	84	106			181
							highly frac section - Abund. graph. shears + stylolites Qz Vt + Nwk, 5-7%, 0.5-5 mm, with minor Talc? Sid-Qz Vt 1-2% with Ds Py	76.0	(1.0)m 12708 80.00	47	64			389
80		27°						100.0	(1.0m) 12709 81.00	51	38			95
								58.0	(1.0)m 12710 82.00	57	267			102
							82.60 Mass. fine xalline Sid "band" 2 cm with Ds Py (5-10%)	61.0	(1.0)m 12711 83.00	41	430			90
		24°					Less frac 10% graph. shears, < 1mm, parallel to lams. graph. stylolites. 3-5% QZ Vt, 0.5 mm - 2 cm with minor Sid, Py + Talc?	65.0	(1.0)m 12712 84.00	30	177			82
85			Py					100.0	(1.0)m 12713 85.00	43	50			42
							85.00 85.20 Mass. Py "band" fine gr., sharp irreg. contacts. replacement feature? Some original lams. visible. Local strong frac - graph	85.0	(1.0)m 12714 86.00	93	115			97
		30°	Py				86.30 Mass - Py band 1cm, broken + dist	78.0	(1.0)m 12715 87.00	157	77			58

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 7 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	% Ba	oz/ton Ag	Cu ppm
	G6	30°	Py	S_3 ↓			A-2 (highly sil weakly carb) Cont'd. Abund graph. stylolites Qz Sid Vt 2-3% with minor Talc? One Py lam? 5 mm	76.0	(1.0)m 12716 87.00 88.00	37	37			48
								85.0	(1.0)m 12717 89.00	39	182			36
		38°						98.0	(1.0)m 12718 90.00	45	118			46
							90.35 Weakly lam A-2 Undisturbed lams graph stylolites 2-3%	100.0	(1.0)m 12719 91.00	38	55			42
		33°					91.75 Strong frac + abund graph styl. increasing downward increasing carbon content .. weakly ~ mod carb. Qz Vt, 1-2%, 1mm-1cm with minor Talc?	95.0	(1.0)m 12720 92.00	40	46			32
		43°						100.0	(1.0)m 12721 93.00	42	30			48
								74.0	(1.0)m 12722 94.00	50	24			47
		33°						75.0	(1.0)m 12723 95.00	43	26			38
							95.00 Lam graph Arg. 95.40 Very strong frac highly graph. Qz - Sid Vt, 3-5%, <0.5 - 3 mm	64.0	(1.0)m 12724 96.00	153	137			98
		35°						60.0	(1.0)m 12725 97.20	120	287			88
	G6-7	35°	Py lim				97.20 A-2 highly carb ~ graph non sil Py mass lam 30%, 3mm-1cm 97.77 Sid "band" fine xal 5cm Abund Qz stringers. 98.10 Sid "band" fine xal, Abund Ds Lim, Bx, carb. Arg. Mtx Abund. Qz - sid Vt.	79.0	(1.0)m 12726 98.20	147	510			59
							A-1 (highly sil, mod carb) Qz - Sid Vt, 5-7%, 1-2 mm.	19.13	(1.0)m 12727 99.35	40	520			14
			hem				99.35 Mass hematite fine gr. dense, highly sil Possible Uranium 99.50	53.33	99.50 12728	29	68			12
100							Fault zone 30% silt + clay (gouge) + frags of A-1 (sil), A-1 (graph) + hematite.	33.33	(1.35)m 12729 100.85	87	520			81
	G6	54°					100.85 A-1 (highly sil) highly frac - graphitic Sid Vt + Nwk 3-5%, 1-3mm 101.15	80.0	101.15 12730	58	252			42
							A-2 silty Arg. weakly - mod. calc, mod - highly sil weakly - carb.	72.0	(1.0)m 12731	34	153			16

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 | CLAIM: Jason 57 | PROPERTY: Jason | PAGE No. 8 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							102.15			ppm	ppm			ppm
							A-Z Calc. Silty Arg. cont'd	86.0	(1.0)m 12732 103.15	32	331			20
							Local Sid. Qz Vt 1%, 0.5-2mm	77.0	(1.0)m 12733 104.15	28	270			16
							some graph. traces + Sil. lets/frags.	96.0	(1.0)m 12734 105.15	28	400			8
								78.0	(1.0)m 12735 106.15	38	113			11
							105.40	85.0	(1.0)m 12736 107.15	53	440			55
							Highly frac + sheared zone	92.0	(1.0)m 12737 108.15	36	35			41
							A-Z weakly-mod calc, mod-highly sil + mod-highly carb (locally solid graphite)	62.0	(1.0)m 12738 109.15	44	990			49
							Local hematite? bands up to 1cm in graph material	62.0	(1.0)m 12739 110.15	28	1520			38
							Abund. graph frac faces		(1.4)m 12740 111.55	28	1530			32
							Qz-Sid Vt + Nak 3-5% (locally 7%) 0.5-3mm							
							111.55							
							Fault zone (10)		(1.55)m					
							gouge 40% + frags of A-Z (silty calc Arg), Qz + hem	93.5	12741 113.10	138	375			258
							113.10							
							B-Z (S-L some E) [SS-1 (f-m) sil, a few A-1 (sil), + A-1 (non sil fuzzy) edges (same as Mtx)]	72.0	(1.0)m 12742 114.10	30	30			580
							Mtx - muddy Arg, non sil, weakly carb. few Py frags. (weak alt?, chloritic?)							
							Qz Vt 1%, <1mm in SS + A-1 (sil) frags.							
							Local graph shears							
							* [- similar to & trans to 78-30 22.6-222.0m]							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 9 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	% Ba	oz/ton Ag	Cu ppm
		25° flow tex		$S_{1,2}$			B-2 cont'd							
120		no flow tex												
				S_3			21.80 Highly frac. ~ sheared 22.20 A-1, highly sil, vuggy highly frac graph Qz Vt, 1%, <0.5 mm							
							123.75 Poss fault (5) 30% core recov							
125		37°					A-2 weakly - non sil, weakly - non carb. Marc lams, 2-3%, 1-5 mm with minor soft white min (clay?) highly contorted (convolute)	79.0	125.00 (1.0)m 12743 126.00	ppm 77	ppm 39			ppm 49
		77°	Marc				Marc Vt, 2-3%, 1-3 mm x-cutting lams. Qz Vt, 1-3%, 0.5 - 2 mm weak ~ mod. CL, A few graph. fracs.							
							** [78-33, 123.75 - 143.55 m correlates to 78-41, 45.00 - 56.39 m]							
130		8°					↓ decreasing Qz Vt, <1%, <1 mm.							
		16°												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 10 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G6	12°		S3			A-2 cont'd								
		10-0	Marc												
135															
	G8	17°					-135.55 Highly frac ~ Bx carb. clay (gouge?) + fine pebbles A-2 + Marc								
	G6						-135.95 Local strong CL + disturbed lams								
							-136.70 gradational contact - decreasing slst lams								
							A-2 very fine delicate lams.								
			Py				Local strong CL ~ B-1 non sil, non carb								
			Marc				Py - Marc Vt, 1% 1-2 mm with minor Qz + clay?								
140							highly distorted + broken								
			Py												
			Marc												
		7°													
							-143.55 gradational contact - increasing silty SS lams.								
							**[78-33, 143.55-154.53 m correlates to 78-41, 28.00-45.00 m]								
							A-2-a non sil, non carb.								
							5-7% slst lams, 1mm-1cm 2-3% fine SS lams 1-5mm								
145							Local CL Qz-Clay Vt, <1%, <0.5mm with Ds Py.								
		8°					-146.00 grad. contact								
							A-3 15-20% SS (f-m) bands 3mm-10cm 2-3% Ds Py								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-33 CLAIM: Jason 57 PROPERTY: Jason PAGE No. 11 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							A-3 cont'd Ary weakly-non sil non carb. SS lams contain 1-3% Ds Py - grouped in bands 1-10 cm wide. rare cc weakly distorted lams								
							150.70								
							A-2 non sil non carb. Marc lam 2-3%, 2-3 mm minor Qz, Sid. + clay? soft sed. deform (convolute) Py - Marc Vf, 1-2% minor Qz + Sid, dist. + broken Local strong CL ~ B-1								
154.53							154.30 fault (B) 10 cm, 90% gouge 154.53								
							End								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 | CLAIM Jason 58 | PROPERTY Jason | PAGE No. 1 of 11

CORE SIZE HQ | AZIMUTH 360° | ELEV. COLLAR 1204.7 m | LOGGED BY J. D. Rowe

ANGLE of HOLE -55° | TOTAL DEPTH 154.23 | NORTHING 7002176.5 | DATE BEGUN July 19th FINISHED July 29th 1978

SECTION | % RECOVERY 79.6% | EASTING 436593.1 | CORE STORED AT Jason Property

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: SCALE: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0 M															
							Overburden								
5															
10															

Sperry Sun Test Results

Depth (m)	Azimuth	Inclination
Collar	00°	-55°
30.48	06°	-56°
60.96	09°	-56°
91.44	12°	-54°
121.92	13°	-53°
152.40	16°	-52°

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 2 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
M															
15															
							Overburden - cont'd								
20															
							24.38								
25	G_5	20°	Sid 2%	S_3			A-2 ~ A-2-c 1-2% fine ss lams. (1-5 mm wide, with minor dissem Py.) 2-3% sandy slst bands, 1-2 cm wide with 3-5% very finely dissem Py grains. Bands have fuzzy edges + indistinct grains (weak alteration?) Slight, 1-2% 0.5-3 mm with minor Qz - Py.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 3 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM ~~%~~ Pb	PPM ~~%~~ Zn	% Ba	oz/ton Ag	PPM Cu
	G5		Sid Py	S3			A-2 ~ A-2-c contd non sil, non carb	61	27.00 12744 .61M 28.00	26	84			450
		40°	Sid Py Gl				Sid Vt + Nwk, 2-3% (locally 10%), 0.5mm-1cm with some Qz + minor dissem blebs of Py, Cp, Sp + Gl.	45	12745 .45M 29.00	115	97			93
30		36°	Sid Qz				Local thin Py lams? broken + slightly distorted 1-2% Pyritic Qz slst lams. 2mm-2cm wide	70	12746 .70M 30.00	52	98			116
		35°	Sid Qz Sp											
		34°					33.70 ΔΔΔΔ highly frac minor silty-clay material - shear zone? A-2, local A-2-c (decreasing SS) Sid-Qz Vt <1%, 0.5-2mm Few pyritic lams.							
35	G5-6	33°					35.40 ΔΔΔ highly frac - minor clay + angular Arg frags - shear?							
		loading 31°	Py lams											
		35°	Py lams											
40		34°					40.20 10% Siderite subparallel veinlets 1-5mm cutting lams. Minor dissem blebs of Py, Cp, Sp + Gl.							
	G6		Sid Py Cp Sp Gl											
		30°					41.60 ΔΔΔ highly frac. Arg silt + angular frags - shear?							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
							COMMENTS:						
		25°		S3			42.30 highly frac - Arg silt + angular frags. - shear zone?						
							A-2 cont'd. Local A-2-c (1% fine SS lams, 1-3mm) 1-2% pyritic G3 Slst lams, 2mm-2cm						
		30°					43.80 highly frac - silt, clay + ang. Arg frags - shear?						
45			Py										
		36°					45.50 highly frac - Arg silt + ang frags. - shear zone?						
		32°					Gradual decrease in thin ss lams to < 1% + pyritic sandy slst bands decrease to 1% or less. A few local siderite veinlets with minor dissem Py + Cp.						
		26°	Sid				48.00 highly frac - minor silt + clay - shear zone?						
							49.30						
50		27°					A-2						
		25°											
		13°											
							Bedding folded parallel to core axis						
							Weak - mod cleavage.						
55													
		8°											
		22°					Bedding 22° to CA - no tops indicators - may be other limb of fold - repeated strata? - or only one orientation in the section						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 5 of 11

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

A-2 cont'd

Local thin SS lams, <1%, 1-3 mm - some with Ds Py

Local Pyritic Slst lams 1% 2mm - 2cm - G3

Sic - Qz Vt, << 1%, 0.5 - 5 mm with Ds Py

60

65

Weak - mod cleavage

68.00 – 68.50 } Abund. Sid-Qz remlets, 7-10%, 0.5-5 mm with Ds blebs of Py + minor Cp

68.80 – 69.10 Py lam? 5mm wide - distorted + broken - within fuzzy G3 Slst band, 1cm each side of Py (weak alteration?)
A few cross-cutting thin Qz-Sid stringers.

70

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 6 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS PPM Pb	PPM Zn	PPM Ba	PPM ~~oz/ton~~ Ag	PPM Cu
	G6	30°		S3			Silt + clay - highly frac Arg - shear ?			98	42			121
							72.75 A-2 cont'd.		72.70 (1.0)m 12748					
		34°	Py				73.30 Very Sil. Arg. band 1.5 cm wide with 5-7% finely dissem Py cubes + one small Py nodule			117	43			94
							73.85 Disturbed lams - broken + offset - local strong cleavage ? or flow texture ? ~ B-1		73.70 (.98)m 12749	198	42			97
75		40					Sid-Qz Vt + Nwk 2-3%, 0.5-2 mm with Ds Py + local minor CP.	83.55	73.58 12377 1.52 M	260	54	2150	0.7	
		37°					76.10 Very Sil. Py Slst band (Alt?) 2.0 cm wide		76.20 12378					
		52°					increasing SS bands 1-3 cm wide Local A-2-C some cross lams.	84.26	1.0 M 77.20	PPM 1160	PPM 520	2275	1.9	
		48°	Sid Qz Gl Sp 25%					77.72	[illegible]	[illegible]	[illegible]	2230	2.6	
				S12			78.00 B-1 (M-E) A-2-C, A-2, + SS lams. + lenticular frags of mass Sp with intergrown Sid + Ds Gl.	100% 78.64	78.20 [illegible]	0.34%	[illegible]	3260	3.6	
	G4		Qz Sid Sp Gl Py CP 3%				79.00 SS-1 (m-c) with Ds sulfides (50% Qz, 40% Sid, 8% Arg. 1% Sp, 1% Py, <1% Gl. Abund hairline stringers of Sid, 1-2% + Sp <1% Qz Vt. 2-3%, 0.5-8 mm Local coarse xal blebs of Gl.	98.68	79.20 12381 1.0 M 80.20	2.50%	[illegible]	1330	14.0	
80	G6	18° ?					80.10 highly frac minor silt + clay		12382					
							B-1 (M-E) A-2-C ~ A-3 (similar to 78.00-79.00 m) SS lams contain minor Ds Sp. + Py. Lenticular frags of mass. Sp + intergrown Py. Some matrix filling Sp with Arg. + local Ds specks of bitumen.	74.89	1.0 M 81.20 12383	0.26%	0.15%	2490	2.0	
	G4		Sp 10%				81.90 SS-1 (m-c) (similar to 79.0-80.1 m) Ds Sulfides Strong frac ~ local Bx - Mtx 2-3% carb Arg. Qz Vt. 5-7% 1-2 cm (one 15 cm) with dissem blebs Gl, Py, CP	91.15	1.0 M 82.20 12384	0.16%	4.28%	2500	1.4	
			Qz Py Sp Gl CP Qz				SS contains dissem. grains Sp, Py, Gl (same as above) Fine hairline veinlets of Sp + some vuggy blebs of Py, Gl + minor Sp. Sid Vt, 1%, <0.5-3 mm.	85.71	1.0 M 83.20 12385	2.25%	0.58%	1030	14.0	
	G5						84.50 fault (10) silt + clay 80% sub rounded Arg frags. 0.5 cm 20%	96.05	1.0 M 84.20 12386	2.20%	0.15%	1010	10.0	
85				S12			84.80 B-2 (L-E) Mainly A-3 frags, SS-3 (f-m) with minor Ds Py, Sp + Gl, Slst + one frag C-2 (f-m) + a few Py frags.	85.21	1.0 M 85.20 12387	PPM 1050	PPM 238	1930	1.4	
		21°					85.90 A-3 30% fine SS bands 1mm - 1.5 cm wide 1mm - 1cm apart SS bands distorted + locally broken - composed of 40% sid [illegible] Py + Sp [illegible]	89.0	1.0 M 86.20 12388	PPM 580	75	1940	1.1	
	G6						86.20 [illegible]		1.0 M	PPM [illegible]	23	1670	1.2	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 7 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	ppm % Ba	ppm ~~oz/ton~~ Ag
	G6	34° 32° 25°	Py nod	S1,2			87.10 A-2. Local A-z-c non sil, non carb strong cleavage ~ local B-1	91.5	87.20 12389 1.0m 88.20	ppm 270	ppm 37	1990	1.1
							88.85 Highly frac A-2 Some silt Shear zone?						
90							89.60 Highly frac. B-6 minor silt Shear zone?						
	G3 G6	37°?					91.10 B-6 (L-E up to 50 cm) [A-2, A-z-c, SS-1 (m-c) (some sid mtx) SS-2 (f), Slst (pyr) cht, C-3 (S-L) (sil, sid, py Mtx), B-4 (S-L) [A-1, cht, SS-2] highly sil silty SS Mtx)] Mtx - B-2 (S-M). Mainly muddy Arg mtx with cht Arg + SS frags.						
95	G4 G6 G5 G6												
100	G4						100.10 C-3 (S-L) [cht, A-1, SS (sid) + vuggy A-1 (sil) frags] Sandy mtx - highly sil.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 8 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G4 G5	32°? Pebble align	Qz	$S_{1,2}$ ↓			102.35 B-6 (L-E, up to 30 cm) [A-2, A-2-c, SS-1(f), Slst, C-2 (M-L) (sil), B-4 (S-L) (sil)								
105															
	G4	45°? Pebble align					105.80 B-4 (S-L) [cht, A-1, SS(f) (sid), some vuggy A-1 (sil)] Highly sil., sandy Mtx.								
							107.35 B-6 (L-E) [Mostly B-4 frags] B-2 Mtx								
							108.10 B-4 (S-L) (sil) s/a above.								
							109.30 B-2 (L-E) [Mostly B-4 frags]								
110		40°?	Qz				110.50 B-4 (S-L) (sil). s/a above QZ Vt, <1%, 1-2 cm								
	G5	45°?					111.85 B-6 (L-E) [Mostly B-4 frags., some A-2-c, A-2, SS-1 (f-m) + Slst] B-2 Mtx								
115	G4	Qz					114.65 C-2 (S-L) Highly sil., sideritic Mtx with Ds Py - Locally vuggy [cht, A-1 + a few SS(f) frags] Local Qz V. 1%, 8 cm								
	G5	Qz					116.25 Highly frac ~ sheared - Abund silt + clay								
							116.50 B-6 (L-E) B-2 Mtx see over page								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 9 of 11

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G4			S1,2			B-6 (L-E) [A-2, A-2-c, SS-1 (m-c)] B-2 (S-M) Mtx [cht, A-1, some SS-1]								
							118.40								
120							SS-1 ~ SS-2 (m-c) Highly sil, mod sid. Locally Bx B-2 Mtx 3-4%) Py - Sid Vt, 1%, 0.5-2 mm								
	G5						120.40								
			Qz				B-2 (S-L) [A-1, A-2, cht, SS-1, B-4 (S-L) Highly frac ~ sheared. Qz Vt, 2-3%, 0.5mm - 2cm. Py Vt, <1%, 0.5-5mm + few Py frags.								
	G6						122.60								
	G1		Mass Qz + Ser?				Fault zone? Massive Qz, highly frac., with 5% B-2 (S-L) frags. (10-20 cm) Abund. graph., stylolitic fracs., some with Py (1-3%) Intergrown masses + blebs of Sericite? (10-12%, up to 8 cm), with 2-3% Py blebs + Vts, + 2-3% sid. Vts with minor Py.								
125															
	G5						126.30								
	G6						B-6 (L-E, up to 20cm) [A-1, A-2, SS-1 (C), cht, C-2 (S-L) (sil., sid.) B-4 (S-L) (sil) B-2 Mtx. Highly frac - sheared Qz Vt, 5-7%, 0.5mm - 5cm Sid Vt, <1% Py Vt, <1%, <1mm								
	G4.5		Qz												
130															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED

SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

B-6 cont'd

133.80 —

Fault zone?
Highly frac - sheared 20% silt + clay
50% B-6 frags (< 5cm) + 30% Qz Veining
Poor recovery (~30%)

137.50 —

A-3 ~ SS-2 (f-m) Sid + Py Ds. 2-3%
Qz Vt. 10-15%, 0.5mm - 5cm
Poss. boulder in B-6.

139.20 —

B-6 (L-E) [A-2, A-2-C, SS-1 (m-c) B-4 (S-L) (s:l)
C-2 (S-L) (s:l)
B-2 Mtx.
Qz Vt, 5%, 0.5mm - 5cm.

142.70 —

A-2-C (Local B-5 (E))
5% B-2 Mtx. Locally [mainly cht + SS-2 frags]
Qz Vt, 1-2%
Poss. boulders in B-6?

145.75 — 25cm section SS-2 (m-f) graded? wrong direction (overturned frag?)
sid mtx (10-15%)

146.70 —

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: PROPERTY: Jason PAGE No. 11 of 11

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G3 G5		Qz	S1,2			Breccia - clast supported - SS, Slst, Cht, SS-Arg-Cht pebble congl., Arg pebble ~ boulder size clasts			B-6 (L-E, up to 40 cm) A-2 A-2-C, Slst, SS-1 (m-c), C-2 (S-L) (sil) + sid, B-4 (S-L) (sil) SS-2 (f)					
	G6	65°	Qz				M Arg 5 - SS5 (A-S, 3.0 cm - fine-med (>30% sid.) med-coarse (<10% sid)			B-2 Mtx					
		60°					- Slst5 (A-S, 5.0 cm, tan-grey-pyritic similar to frag. in Conglo at 140.55 m						S/a above (channel fill)		
150	G4-5						- Cht15 (A-R, 1.5 cm) - SS-Arg-Cht pebble congl 30 (A, av 20.0 cm max 40.0 cm) [15-20% siderite matrix - similar comp. to 114.65-116.25 m]			149.8	bedding 122/75 S				
							- Arg40 (A-R, pebble-boulder weakly lam. - pinstripe. Pinstripe similar to sub unit above - weakly lam similar to sub unit below 149.1-149.9 m. weakly lam. Arg (plate?) [Similar frag types to 126.30-133.80 m]		Sub unit Debris Flow - cont'd						
	G6	folded	Qz	S3			152.30 A-2 non sil. non carb. <1% fine SS lams, 1 mm wide <1% thin veinlets of Qz-sid. + minor Py. 1-2 mm.		A-2	152.6	204/50 W? Strong Ch. folding.				
							154.23 END OF HOLE								
155															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-34 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag
	G3 G5		Qz	S1,2			3-6 (L-E up to 40cm) [A-2, A-2-C, Slst, SS-1 (m-c), SS-2 (f), C-2 (S-L) (Sil + Sid), B-4 (S-L) (Sil) 3-2 Mtx						
	G6	65° 60°	Qz										
150	G4-5												
	G6	Folded	Qz	S3			152.30 A-2 non sil, non carb. Strong cleavage + folding. Qz-Sid Vt, <1%, 1-2 mm, minor Py						
154.23							154.23						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-35 | CLAIM Jason 36 | PROPERTY Jason | PAGE No. 1 of 10

CORE SIZE H.Q | AZIMUTH Collar 272° / 121.92m 285° | ELEV. COLLAR 1171.55m | LOGGED BY K. I. Lu

ANGLE of HOLE Collar -51° / 121.92m -47° | TOTAL DEPTH 133.20m | NORTHING 7002646.00 | DATE BEGUN Aug. 14th FINISHED Aug. 20th, 1978

SECTION | % RECOVERY 86.06% | EASTING 437132.43 | CORE STORED AT Jason Property.

COMMENTS: Stick up = 0.76m

SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		

0m

Sperry sun test results

Depth	Inclination	Azimuth
Collar	-51°	272°
30.48m	-52°	288°
60.96m	-50°	290°
91.44m	-48°	288°
121.92m (1)	-47°	285°
(2)	-47°	286°

5

O.B.

10

11.58

Cont. next Page

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-35 CLAIM: PROPERTY: Jason PAGE No. 2 of 10

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

% CORE RECOVERED

SAMPLE INTERVAL & NUMBER

ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

m

12.10
12.60
13.85
14.14
14.50
15.10
15.25
18.30
19.20
19.53
20.79
21.06
21.55
21.95
23.00
26.21

A-1-b Argillite

* G5~G7 colored Argillite with some silt~s.s. (0.1 mm~few mm thick; <3 vol.%) laminated. Occasionally, 0.5 cm to 15 cm thick brecute-shaped sand bands (loading, grading, x-laminae etc. recognizable) intercalated
* larger than 1 cm thick sand bands locations are noted in lithology column
* some sand bands containing pyrite

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-35 CLAIM: PROPERTY: Jason PAGE No. 3 of 10

SECTION m	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G6	40					A-2-c.								
		40					G6 Colored Argillite with fine, regular, faint parallel silt (some ss) lamination.								
		40					and < 1 cm thick biscuite sand bands intercalated (3~5 vol %) Only one band thickness larger than 1 cm at 29.27 M.								
		42	Py V Pyd				29.27 2 cm thick								
30		42	Q												
		41					Lower part Qz veinlets appeared irregularly <3 vol %.								
		43	Pyd												
		45													
		50													
		54													
		48	Q V												
		45													
35			Py	D											
				D											
		52													
	B		Q	f(?)			36.27								
	G4		Pyd				36.45 sandstones								
							f.s.s. with some c.s.s lenses intercalated (clue bedding)								
	G3						Pyd 10% +								
							↑ finer								
		grading	Q				38.15 S.S-5 (~C-1-S)								
	G2						with one A-1 breccia (4 cm across) and few 0.2~0.4 cm ∅ A-1 breccias.								
40			Q				39.92								
	G5						S.S.-5-c								
	G2						rarely A-1 breccias (up to 1.5 cm x 5 cm) found,								
							uppermost part (35 cm thick) s.s ~ f.s.s. finely banded								
	G1						by black shaly material [Similar to 78-36 1/2 m ± rock]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. T8-35 CLAIM: PROPERTY: Jason PAGE No. 4 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G2						42.30 — — —

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-35 CLAIM: PROPERTY: Jason PAGE No. 5 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
							SS-1-m						
							59.14 SS-1-m with black thin material layers (bands) (highly contorted SS-2-m ?) contorted, appears to be fold-like (fold nose at ±59.85m)						
60							60.60 SS-1-m						
							61.08 SS-5 (cht fgt 3 vol%, Arg fgt 4%, <1cm ϕ) 61.32 SS-1-m (lower part black thin material faint layered & contorted) 61.72 SS-5 (or SS-1-c) — gradded ? [from 2mm to <½mm ϕ) ↓finer SS-1-m						
65							64.53 C-1-S-gradded ↓finer SS-1-m						
							65.90 B-2 (Pebbly mudstone-like matrix 60% with cht & s.s breccia about 40% <1cm ϕ) (Sheared ?) 66.20 SS-1-m						
							67.58 B-2 (Pebbly mudstone-like matrix 60%+ with cht & A-1-b breccia (up to 5cm across) 40% 68.18 SS-1-m						
							69.25 69.35) 10cm ϕ A-3 breccia						
70							69.80 B-3 (or B-5) upper part graded. B-2-gradded pebbly mudstone-like matrix, 60%, with breccias of cht (35% <2cm ϕ) and A-3, A-1 (5%, >10cm plates)						
							71.23 SS-1-F B-3 B-3 (or B-5 ?)						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 35 CLAIM: PROPERTY: Jason PAGE No. 6 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G4						B-4 B-4 (or B-6?) - L								
							SS-1-m contorted								
							B-6								
							A-3								
							B-2								
							A-3								
							B-2								
75					50		A-3								
					40		B-2								
		(40)			40		75.82 SS-1-m~f (locally thin coarse S.S)								
							A-3 fragment or fold nose?								
	G4														
			Q▽												
	G4														
	G4														
80															
	G4 & G5				37		80.87 B-4 C-2-S matrix with 10% A-1, A-2-C plates upto 12cm across.								
					45		81.12								
		30	Qrt												
		(40)	Q▽				82.55 SS-1-m~f mainly with B-4								
	P	(50)	Pynod		45		B-4 (								
					50		SS-1-m								
							B-4								
							S.S-1-m								
							B-2								
							SS-1-f (≈ A-3)								
85		(50)			50		85.12 B-4 (or B-6?) - E cobble								
	P														

(lower part B-2 as matrix ? & A-2 & SS-1-m as plate ?) or fragments — like.)

B-2 composition = C-3-S matrix with 7~10% breccia of A-1 A-2-C up to 5cm ϕ and some cht

(occasionally A-1, A-3, B-2 rock appeared (fragment?), locally disturbed (at 79m ±)

black material abundant as thin layer or dispersed

clue bedding barely recognizable

breccia of A-1

(intercalated(?) (or fragments?)

B-4 composition similar to the underlain B-4 rock

[possible transition zone between above & below unit?]

(C-2-S as matrix with A-1 & A-2-C breccia — one 15cm across, some 5~8cm ϕ, and cht. and S.S Total fragments ≈ 15 vol%.

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 35 CLAIM: PROPERTY: Jason PAGE No. 7 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G3 & G6 altn	42°	Py nod				87.39 ditto A - 3 (≈50% s.s. bands)						
90		20°	Qz				89.99 Qz veins 90.25 B - 6 - (Cobble plates) Assorted fgts and size varied, hard to distinguish matrix fgts: A-2-C 40% (max 30 cm across) and B-4 some C-1 f. s.s.						
	G1 ~ G7 mix		Qz	28	30°		92.70 B - 6 - (boulders plates) Matrix (~70 vol%+). B-4-m, consisting C.S.S ~ fine pebbly s.s. with fgts of cht Arg (.1~2 cm common max 6 cm platy) Fgts: mostly A-3 or A-2-C. (up to 65 cm across) and cht. * fragments orientated						
95	P&S			35°									
				30									
				28°									
100	G4	46°					99.90 B - 4 - (m) few Arg. fgt 100.51 C - 3 - L (max 3.5 cm) - graded (from 2 cm to 1 mm) (15 vol% Arg fgt ~10% Angular) 101.87						
	Pbs	grading					Mainly Conglo - 2 - m ~ f. (Some graded beds) breccia beds intercalated.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 35 CLAIM: PROPERTY: Jason PAGE No. 8 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							103.87 C - 2 - m								
							103.05 S.S. - 5 - L chl fgt 10% < 4 cm one 7 cm; few Arg fgt								
							106.20 B - 4 - (peb) matrix: c ss 70% Fgts: cht 20 Arg 10 1 to 2 cm & aver. some 4 cm								
105							[unit - 3A, channel fillings material]								
							107.03 C - 2 - m silic.								
							[unit - 2 conglomerates]								
							108.70 SS - 1 - c - graded ? lower part pebbly ss to c - 2 - f								
110							109.95 ? SS - 1 - c - grad ? C - 2 - m - graded graded at upper (possible two units)								
							112.98 SS - 1 - c graded. C - 1 - m - graded [or B - 4 - m - graded ? Fgts: cht >> Arg s.								
115							115.22 SS - 2 - c to f (amalgamated bedding) C - 2 - L - graded								
							116.95 graded at upper								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-35 CLAIM: PROPERTY: Jason PAGE No. 9 of 10

SECTION m	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G3		QV				SS-2-f-								
	G2						117.60 SS-1-f								
	G1	grading					coarser 118.42 118.62 Qz vein								
							SS-5-graded matrix: CSS mostly Fgts: Cht 20. Args round, 7.5 cm & finer upward.								
120							119.6 C-2-S one fgt of S.S 7 cm across								
		40					120.40 A-2-C biscuite shaped SS band up to 3 cm thick ≈ 3~5%								
	G6	45													
		35°					121.92 gouge Arg brec + clay + Qz fault (8)								
	G2			fg			122.32 A-3 biscuite shaped S.S. bands up to 3 cm + thickness and 30 vol% +								
		10° 16°													
	G4	25° 31°													
125	G5	32° 30° 32°													
	G6	32° 60°					126.20 A-1-b (upper part A-2-b like) biscuite SS band < 3%								
	P.S. tank	↑?					127.18 SS-5-(m) Mtx: CSS grey 80%- Fgt: Cht (15~18%) and Arg. (Two units or grading?)								
							128.32 C-2-L Arg fgt 5% ± lower and 7~10% upper								
130	P.S						130.00 C-2-L one 6.5 cm across cht fgt Arg fgt - 7% or more								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-35 CLAIM: PROPERTY: Jason PAGE No. 10 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	PRS						ditto								
							1332.0 - - - HOLE END								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 | CLAIM Jason 36 | PROPERTY Jason | PAGE No. 1 of 16

CORE SIZE HQ | AZIMUTH collar 269° / 230.13m 281° | ELEV. COLLAR 1157.45m | LOGGED BY K. I. Lu

ANGLE of HOLE collar -51° / 230.13m -31.5° | TOTAL DEPTH 230.12m | NORTHING 7002644.59 | DATE BEGUN Aug. 21st FINISHED Aug. 28th, 1978

SECTION | % RECOVERY 84.70% | EASTING 437263.12 | CORE STORED AT Jason Property

COMMENTS: Stick up = 0.71m

SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag

DESCRIPTIVE GEOLOGY

Sperry Sun Test Results

Depth (m)	Inclination	Azimuth
Collar	-51°	269°
30.48	-46.5°	284°
60.96	-42°	286°
91.44	-39°	284°
121.92	-36.5°	287°
152.40	-35°	286°
182.88	-32.5°	285.5°
213.36	-32°	282°
230.13	-31.5°	281°

OB

4.88

5.36 (10cm)

5.94

A-1-b Argillite

G_6 ~ G_7 colored with some silty beds (or thin layers) laminated Argillite occasionally biscuit-shaped, or ripple-marked sandstone beds (or bands) intercalated

7.62 (10cm) silicified

8.02 (10cm)

Sandstone bands (beds) (>1cm thickness) locations are numbered, and larger than 10cm thickness are noted in bracket

9.75 ***

10.67

10.97

(Some G_6 & G_8 colored)

*** 9.75m ~ 10.67m lithologic sequence is identical to that of [ ]

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 2 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							18.10 ditto (A-1-b)								
							13.72 silica bed 6cm								
15															
							16.0								
							16.53 silica bed 10cm								
							16.7								
							17.37 (12cm) — *** [This portion correlated to DDH 78-37 23.39m]								
							18.09								
							18.96 "								
20							20.06								
							20.39								
							21.58 (32cm) — *** [This portion correlated to DDH 78-37 29.80m]								
							22.56 silica bed 10cm								
							"								
							23.96 (13cm)								
							24.20								
25							24.99 (12cm)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 3 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (A-1-b)								
							27.43								
							27.76 (33cm) — *** [This portion correlated to DDH 78-37 38.01m-38.42m]								
							28.30 Silic bed 20cm								
30							30.42								
							31.09								
							Silic bed 25cm — *** [This portion correlated to DDH 78-37 44.81m-45.26m]								
35							36.21 Silic bed 10cm								
							36.63								
							37.98								
							38.00								
							38.40								
							38.86								
							39.20								
							39.56 (12cm)								
40							40.54								
							40.95								
							Silic bed 50cm								
							41.45								
							41.55 (10cm)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 4 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (A-1-b)								
							43.08								
							43.89 (15cm)								
							44.50								
45							45.26								
							47.00								
							47.12								
							48.28 silic bed (12cm)								
50							50.10								
							50.54								
							50.75								
							51.97								
							52.31								
							52.67								
							52.85								
							53.34 silic bed (14cm)								
55							55.47								
							56.08								
							56.20								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 5 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							57.55 Silic. bed 16cm								
							ditto (A-1-b)								
							59.87								
60							59.89								
							60.35								
							62.53								
							63.28								
65															
							67.30								
							locally A-2 ~ A-2-a like in 20~30 cm intervals (at 67.06m 68.28m 71.32m.								
70							69.80								
							71.20								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 36 CLAIM: PROPERTY: Jason PAGE No. 6 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5														
	G6						72.57 ditto (A-1-b)								
		39	Pyb												
			Pyd				73.58								
		40													
							74.55								
							74.67 Silicified contorted								
75	G6						75.29								
		45													
	G7	48°	Pyb												
		50°													
		48°													
							77.38								
							77.51								
							77.78								
		58					78.94								
	G7	50	Pyb				79.25								
							79.40								
80		50°													
		48°					80.47								
		50°	Pyd				81.08								
		52°													
					S		82.40 silicified 10cm								
		45													
	G7	75	Pyd				83.06								
		65					83.27								
		64	Pyd				83.85								
			Pyd				84.08								
		63.5					84.27								
85		75°													
	G8		Pyd				85.34 Py bed (1cm) & clay								
	G6	45					86.67								

A - 2 - C Argillite

generally biscuite-shaped sand bands no sharp boundary except 90.73m (1cm thick) 100m (2cm) 100.30m (6cm lens) and 100.58 (1cm). Thickness of sand band is < 5cm in general [illegible] 3cm at 86.67m (three bands)

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 36 CLAIM: PROPERTY: Jason PAGE No. 7 of 16

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY (↑cont'd)	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G6	55	Py db 5%				Content of Sand bands ~ 3 ~ 5 vol %. (Some A-2 ~ A-2-a rock intercalated.) upper part						
	G5	58° 60°	Py db										
		70°											
	G5	80°	Py d 5%				89.10 Silic bed 89.50 40cm						
90	G5	63° 70°					ditto (A-2-c)						
	G6	65°											
	G7	68°					A-2 (very rare <1mm ss layer)						
	G7	72° 74°											
	G5	68°	Py b 2.5cm				94.39 Py 2.5cm bed and ss						
95	G5	72°											
	G6	65°	Py db				96.01 ← 1 cm thick Po dissem (35-40%) bed.						
	G5	60°											
	G6	78° 85°											
		80° 72°	Py b										
		50° 60°	Q										
100		72	Py db Py db				100 100.30 Py + ss distorted (3cm)						
		77°					A-2-a						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 36 CLAIM: PROPERTY: Jason PAGE No. 8 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							A-2-a								
							ditto (A-2-C)								
							103.83 mixture of A-2-C and SS. highly distorted								
							104.63								
105							SS-2-C~m, Sandstones Clue stratified (amalgamated beds) (uppermost part 10cm ii f.s.s) angular Arg fgt some in local								
							107.90 finer upward C-2-S-graded (<6mmφ), conglomerate								
							108.80 amalgamated boundary C-3-S-graded (<8mmφ), "								
							109.38								
110							B-3-W Breccia matrix: SS-5-S Fgt: A-1-a (5 vol% 6 cm across)								
							110.33								
							B-3-E, Breccia matrix: SS-5-S (with flow lines) Fgt: A-1-(a) (5 vol% 8 cm across) more Arg breccias (<1cm) than overlay rock								
							111.85								
							SS-1-C highly disturbed & Qz veined few fgt of Arg (<0.3cm)								
							112.88								
							C-2-S (amalgamated bedding?) ~SS-5-S pebble Arg fgt ~3% or more with few angular fgts upper part more matrix showing SS-5 like								
115															
							116.68								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 36 CLAIM: PROPERTY: Jason PAGE No. 9 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5 Pgs		QT				117.05 C-3-S (<1cm ϕ)								
							117.96 B-3-m matrix: ss-5-pebbles Pgt: A-2-c breccias. Plates — upto 30cm across Breccia <1cm ϕ common.								
120							120.89 A-2-c with B-4 ~ ss-1-c beds bands highly diturbed (injection & disturbance?)								
	G6		QT												
				S			123.14								
	G6						A-1-b. occasional silt lamination and biscuite-shaped sand bands								
	G7														
125	G6 ~ G5	68°	Py				disturbed sand band (15cm) sand bands mostly less sharp boundary and <1cm thickness. ~3vol %.								
	"		Py												
	G6 ~ G5	74° 72°	Py b Q calc.				Py beds 2cm & 3.5cm								
130	"														

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 10 of 16

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	70° 80°	Q, clay vit		△△△		ditto (A-1-b) few silic. beds recognizable								
		74 78°													
135	G5														
		65	Q, Cal, Py				135.90 – 136.18 silic bed highly distorted								
		70	Q												
	G7		Py												
			RT Pyd				138.35 f ss 10 cm								
	G5	80													
140		72					140								
							A-2-C.								
	G6	70° 65°	Q, Py				141.57 Silic bed (15 cm) biscute-shaped sand bands (3~6 mm thickness common, few 1~1.5 cm, mostly no sharp boundary) (≈ 3 vol%, or more) locally silic beds found								
			Q												
	G6														
	G5	71° 68°													
145															
	G6	70°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 11 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (A-2-c)								
							118.0' SS-1; C~f (amalgamated beds) fairly porous (py?) Py content > 1 vol% Qz veined 3~5 vol%								
160							160.7' A-1-b and SS-1-M mixture								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

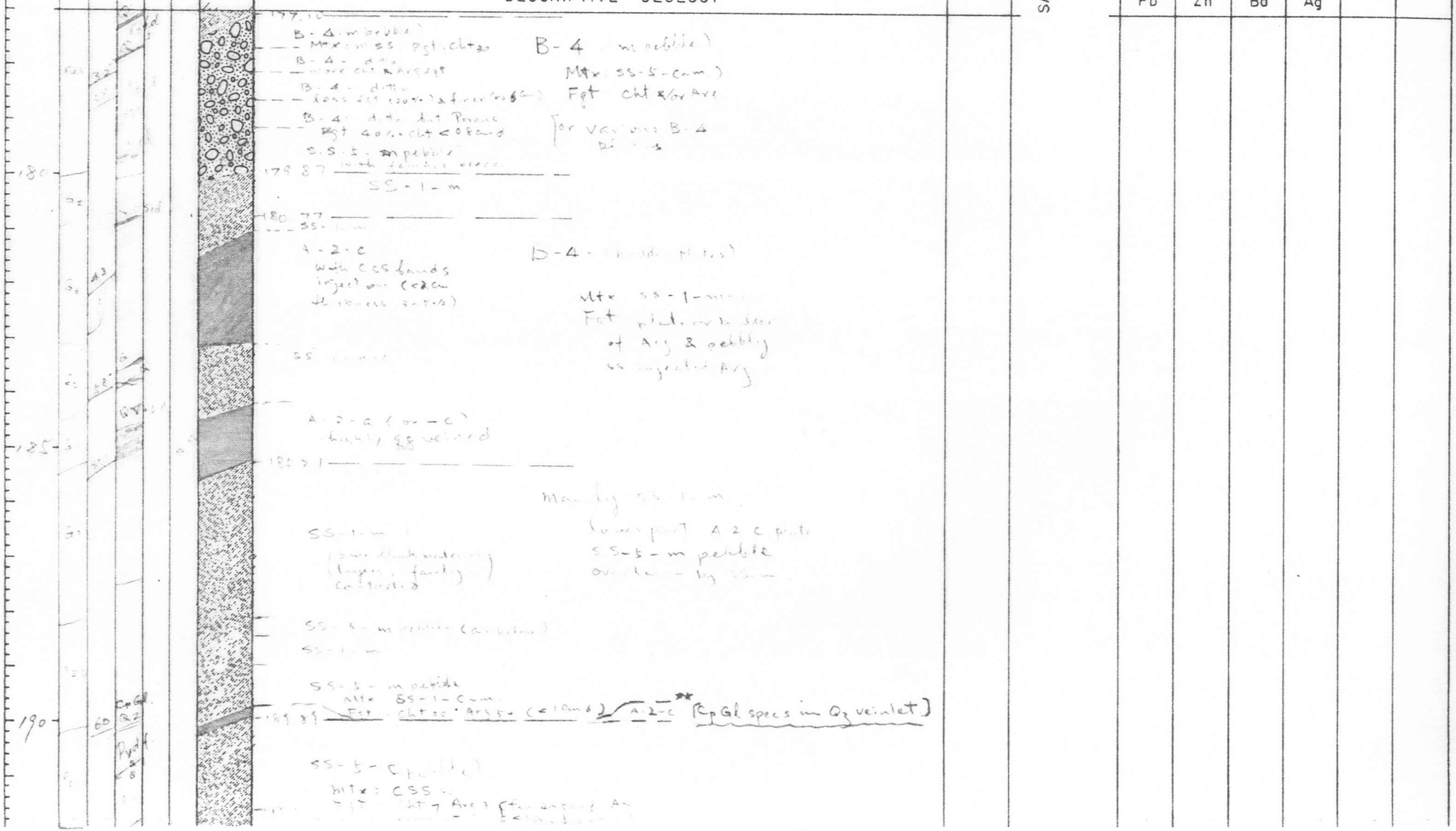
HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 12 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		32°					B-4 (m pebble) Matrix: SS-5-C Fgt: Cht25, Arg5 <1cm few 2.5 cm ϕ								
		34°					164.59 A-3 contorted s.s. bands 4 cm thick >20 vol% [or SS injection in Arg ?]								
165							166.22 B-4 (m-s pebble) matrix: SS-5-C Fgt: cht20, Arg<5 <1cm, some 1.5 cm ϕ								
		33°					167.64~169.16m poor recovery (<25%)		167.64m ~169.47m	poor recovery <25%					
							169.20 A-2-C ~A-3 especially lower part sand bands >40 vol% some c.ss bands injection recognizable								
170															
175		44°					175.3 SS-5-(S. pebble)								
							175.80 SS-1-m								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 36 CLAIM: PROPERTY: Jason PAGE No. 13 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		



CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 36 CLAIM: PROPERTY: Jason PAGE No. 14 of 16

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		35°	Qz		△ △		B-5 - Cobble, Plates Mtx: B-4 similar to underlain rock B-4 Fgt: A-1 ~ A-2 C (70%+) up to 20 cm across 3~5 cm across common								
195							B-4 - (m pebble) Mtx: CSS Fgt: cht 35 Arg 3~5 (<1.5 cm ϕ A)								
		45°					196.69								
	G7	50°					A-2-C ~ A-3 sand bands max thickness 4 cm, <1 cm common ~5 vol% thin (3~5 cm) pebbly mudstone injection some at lower part								
		35°					197.82								
	Pss		Pyt 5%				B-5 - boulder plates) Mtx: B-4 - CSS matrix with <1.5 cm ϕ cht (30%) & Arg (3%) fragments Fgt: A-3 breccia >25% up to 20 cm across								
200		35°					199.90								
	G5 & G2 altn			C			A-3 (A-2 type rock - like in part) sand bands: ~1 cm thickness common, with two thicker bands (5 cm & 7 cm); 35 vol%. slightly contorted								
			cp+py patch				203.88								
							204.08 B-4 Mtx: CSS Fgt: cht 35 Arg 3 (<2.5 cm ϕ) ** [cp+py patch in interstices of fgts <1 cm ϕ]								
205	G5 & G2		Qz sid				ditto (A-3) more sand bands ~40 vol% fairly distorted								
							205.70								
	G2	26°	cp Gl				SS-2-m cp Gl specs in Qz vein. slightly distorted								
							206.49								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 15 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		48°					A-3 sand bands: 7~12 cm thickness some generally ~1 cm thickness 7+ vol%. less banding at lower part								
210															
	G6	30°					A-2-C like less sand bands								
215		20°													
							215.10 SS-1-C								
							215.80 A-1-C								
	G6						216.26 SS-1-C with some disturbance (Arg bands mixed at middle)								
	G2						217.71								
	G6	43					A-2-C. SS lamination < 3 vol% biscuite shaped sand bands (up to 6 cm thickness, < 1 cm common) occassionally intercalated some sand bands contained py (diss) up to 10 vol% ** [Gl spec ... Qv vein let at 220.10 m]								
220	G9		Qv												
	G2		Gl												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-36 CLAIM: PROPERTY: Jason PAGE No. 16 of 16

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (A-2-C)								
	Gs 5 7 & Gs 2-3	60° 80° 90°					224.00								
							224.3 224.60 A-3								
225	alt	40°					A-2 rock with ~1 cm thick biscuite-shaped sand bands intercalated occasionally 5-7 cm bands found one 16 cm thick sand band at lower part and 34 cm ss-1-m at upper part								
	"	50° 65°													
	"	70° 50° 45°													
	"	25° 40°					229.72 SS (16 cm)								
230							230.12								
							HOLE END								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 37	CLAIM Jason 36	PROPERTY Jason	PAGE No. 1 of 4
CORE SIZE HQ	AZIMUTH Collar - 90° 54.86 - 84°	ELEV. COLLAR 1158.98 m	LOGGED BY K. I. LU
ANGLE of HOLE Collar - 50° 54.86 m - 46°	TOTAL DEPTH 54.86 m	NORTHING 7002644.07	DATE BEGUN Aug. 29th FINISHED Aug. 31, 1978
SECTION	% RECOVERY 90.4 %	EASTING 437249.35	CORE STORED AT Jason Property

COMMENTS: stick up = 0.71 m

SCALE: 1 100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
0 m							Sperry Sun Test Results Depth (m) Inclination Azimuth Collar -50° 90° 30.48 -48° 89° Overburden 54.86 -46° 84°								
5							5.48								
	G5	21° 21° 21° 22°					5.73 514 cm A-1-b Argillite Some silt lamination (1~3 vol %) and occasionally 1~3 cm sand bands intercalated. few 5~8 cm bands (over 5 cm thickness sand bands are noted)								
10							10.25 Silic bed 33 cm								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-37 CLAIM: Jason 36 PROPERTY: Jason PAGE No. 2 of 4

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
		26°					ditto (A-1-b)								
		22°					13.78								
	75	28	Qtz Pyd				*** [this portion correlated to DDH 78-36 9.75m to 10.67m]								
15							14.80 silic bed 5cm								
	76	24°	Pyd				15.20 6cm								
		23													
	"	22°													
		29													
20															
		29°													
	"	18°													
		21													
		25													
			Py 3%				23.39 (15cm) - *** [This portion correlated to DDH 78-36 17.37m]								
			Pyd 5%				23.70 silic bed 31cm								
		31													
25	"														
		25°					25.7 silic bed 17cm								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-37 CLAIM: Jason 36 PROPERTY: Jason PAGE No. 3 of 4

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (A-1-b)								
30	G6	38° 35°	Pyd 3				29.80 (7cm) *** [This portion correlated to DDH 78-36 21.58m]								
		32 26°					32.5 silic bed 15cm								
		26° 25°	Pyd				] A-2-like								
35	G7	25°													
	G5	24°	Pyd 7-10												
	G4	31	Pyd Zn				38.00 (17cm)								
	G5						*** [This portion correlated to DDH 78-36 27.76m ~ 28.50m]								
			Pyd 10-15	Contorted			39.42 silic bed 25cm								
40		22° 20	Pyb												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-37 CLAIM: Jason 36 PROPERTY: Jason PAGE No. 4 of 4

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	24					42.07 (7cm) ditto (A-1-b)								
	G6														
	"	20													
45	G3		Pyd 3%				44.81 upper 21cm silt bed } *** [This portion correlated to DDH 78-36] 32.25 m ~ 32.50 m								
			Pyd				45.36 lower 34cm sand band								
	G6	26													
	G7	26°	Pyd 25%				increasing silt lamination downward								
	G6														
		28	Pyd 35%				48.30								
	G6														
	G5	22°													
50	G6														
	G7	22°													
	G6	24°					(transition to A-2 rock ?)								
	G6														
	G8		Pyld 15%				51.87 (14cm) A-2-like								
	G4														
	G5														
	G7		Pyld 20%				53.06 (12cm) A-2-like								
	"	24°													
	"	25°					54.86 m								
							HOLE END								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-38 | CLAIM Jason-36 | PROPERTY Jason | PAGE No. 1 of 3

CORE SIZE H.Q. | AZIMUTH Collar: 344° | ELEV. COLLAR 1155.26m | LOGGED BY K. I. Lu

ANGLE of HOLE collar -55° | TOTAL DEPTH 30.48m | NORTHING 7002540.21 | DATE BEGUN Sep 1, 1978 FINISHED Sep 2, 1978

SECTION | % RECOVERY 77.40% | EASTING 437185.40 | CORE STORED AT Jason Property

COMMENTS: stick up: 66 cm

SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0m							Sperry-Sun Test Result Depth Inclination Azimuth Collar −55° 344°								
							Overburden								
5															
10							10.97 A-1 (& A-1a) Argillite								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 38 CLAIM: PROPERTY: Jason PAGE No. 2 of 3

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G8	40	Py b	Py d 5+			12.62 biscuite shaped, fault. s.s. band 7 cm								
		48													
15															
	"	48°	Py b												
		51													
		50°													
	"	50°													
		50													
		50°	Py d 3-5												
20	G8 & G7	51°	Py d 5+				20.10 highly broken Arg f sts with clay [fault zone 19]								
	"	55			f? 23°		21.19								
	G5	55	Py b				18 cm thick G5 colored Arg								
	"	55													
	G9	53	Py d 7+		Py Ring		23.56 14 cm (across) diameter Pyrite dissem. ring								
	G5	51	Py b												
	G9	55													
25		55°													
	G4	50			Py 3-5		25.24 G4 colored silt ~ f.ss								
		55					25.64 Py layers (0.5 ~ 3 or 4 mm) lam								
	G8	54													
	G9	54	Py d				26.6 coarse Py beds (5 cm) two								

A - 1 mainly rare silt lamination at lower part [A - 1 - a).

* fair number of pyrite beds (massive or dissem very fine ~ medium grained) intercalated (1 mm ~ 8 mm thickness)
* Pyrite finely disseminated in some places up to 3 ~ 5 vol% or more combined with pyrite beds shows higher pyrite content in local sections.
* Pyrite dissem ring found at 23.56 m.
* one sand band (not clear) at 12.62 m.
* mostly siliceous

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-38 CLAIM: PROPERTY: Jason PAGE No. 3 of 3

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G9	51° 52° 51° 53° 53°	Py,b Py,b				27.60 massive pyrite bed. (3~15cm across) intersecting original bedding ditto [mainly A-1. locally A-1-a								
30	G8	54° 54°					30.48 HOLE END								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-39 | CLAIM Jason-36 | PROPERTY Jason | PAGE No. 1 of 5

CORE SIZE HQ | AZIMUTH Collar 159° / 68.58m: 156° | ELEV. COLLAR 1156.61m | LOGGED BY K. I. Lu

ANGLE of HOLE Collar -42° / 68.58m -41° | TOTAL DEPTH 68.58m | NORTHING 7003957.57 | DATE BEGUN Sep. 3rd FINISHED Sep. 6th 1978

SECTION | % RECOVERY 78.30% | EASTING 433996.85 | CORE STORED AT Jason Property

COMMENTS: Stick up: 66cm

SCALE: 1 : 100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0m							Sperry Sun Test Results Depth (m) Inclination Azimuth Collar −45° 164° 30.48 −42° 159° 45.72 −42° 156° 68.58 −41° 156°								
5							Overburden								
10															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-39 CLAIM: PROPERTY: Jason PAGE No. 2 of

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							OB.								
5		32 30	Py 6				14.63 *** 1)								
	G4		Pvd 5%				*** 2)								
		28 30													
	38	33 22	clay Pvbd 5mm				*** 3)								
20	G4 black	30 31	Pvd 3-5%												
	"	32	Py 5												
		32 32	Py 5% + Py 10%												
	"	30	Py 3-5 Pvd & Qvlt												
25			Py												
			Pvd												

A-1 (locally A-1-a) Argillite

* G4 ~ Black colored occasionally siltstone (up to 1cm, mostly < 3mm. G3 colored)
* Pyrite dispersed in several places up to 5 vol% or more in 1 foot interval). Few 1mm thick pyrite layers laminated.

***

1) 14.65m correlated to DDH 78-38 24.16m

2) 16.00 ~ 16.60 " " " " [22.96m ~ 23.43m

3) 18.39 (py), 18.49 (py), 18.79, 18.92, 19.15 ~ 19.43 " " " " 22.17 (py), 22.13 (py), 21.93, 21.85, [21.43 ~ 21.54

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 39 CLAIM: PROPERTY: Jason PAGE No. 3 of

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER (m)	ASSAYS % Pb	% Zn	ppm ~~%~~ Ba	oz/ton Ag
	G9	30					ditto (A-1, locally A-1-a)						
	G6	30° 31°					rarely faint silty layers laminated (A-1-a)		29.50				
30		43 43 41 43						52.63	1.00m 12483 30.50	0.02	0.23	10000	
	G4	48°		Py			SS-2-f sandstone Py (with or without clay) layers up to 6mm thickness laminated (Py 15 vol%+)	86.84	1.35m 12484 31.85	0.02	0.10	7845	
	G5	45 19 19		Qz clay			A-1 (Qz veined) Argillite few py thin layers lower part some silt layers	81.83	1.13m 12485 32.98	0.04	0.51	10000	
	G2			Sp Qz Ser Qz Sid			gouge (clay + Arg Py fgt)						
	G1						Qz + ser + Sp laminated & highly contorted & altered, containing sid 25%+ Qz + Sid + (red Sp) veined.	71.21	0.97m 12486 33.95	0.03	4.30	1210	
	G1						Silic Arg. with very fine py finely lam. red sp veinlets	76.59	0.64m 12487 34.59	0.13	4.15	6330	
35	G1			Q+Sid+S Veins ~20vol%			Qz + Ser + Sp layers (up to 8mm on mm common) laminated by black materials	87.58	1.07m 12488 35.66	0.05	5.70	590	
	G1						Qz + Sid + red sp - veins (20%+)	81.95	1.08m 12489 36.74	0.04	4.70	540	
	G7 + G2	50		Py l.			Arg beds (up to 10cm thick) alternated with py & or Qz layers laminated Arg. Py 5%+ (small pieces of Q+S+Sp ore)	76.32	0.71m 12490 37.45	0.12	8.28	6790	
	G8	48°		Py l.			A-2 like Carb & Silic Arg finely laminated by fine pyrite layers (5~15cm interval laminated 5~10 length)	50.00	1.60m 12491 39.05	0.11	4.20	9090	
	G8	42°		Py b l.			Pyrite finely laminated Arg. (Py ≈ 30~35 vol%) upper part coarser & thicker, with some Qz bands,	54.92	0.95m 12492 40.00	0.38	4.51	7340	COMPOSITE OF SAMPLES 12492 & 12493
40	b			Py			black carb sh. massive						
							Py + Qz (mostly) & py layers laminated Arg fairly contorted	68.48	1.22m 12493 41.22	0.36	4.95		
	G8			Py			Carb sh., Py & Py + Q layers intercated some.						
							fine pyrite finely bedded	90.17	1.56m 12494	0.12	0.50	7710	

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 39 CLAIM: PROPERTY: Jason PAGE No. 4 of

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER (m)	ASSAYS % Pb	% Zn	ppm ~~%~~ Ba	oz/ton Ag
	Gold	32	Py				upper part rather massive Py 80~90% middle part sandy containing clay Py 20~40% lower part coarse-grained bed Py 60%+						
							42.78		42.78				
	G7		Py+Q				Py+Qz (mostly) & Py layers laminated Arg highly contorted Py 15~20% Qz 10~15%	77.17	1.32m 12495	0.45	3.68	6790	
							44.10		44.10				
							44.30 Pyrite bed (as 41.22~42.78m)	69.08	44.30 12496	0.15	1.54	5790	
45		32					A-1, carbonaceous upper 50cm fine py finely lam lower 45cm: coarse Py + Qz layer (n mm) finely lam & contorted	79.61	1.22m 12497	0.17	3.17	6430	
	G7	27					45.52		45.52				
	G8	25					A-1 Carbonaceous, silic. few thin py layers	72.37	0.81m 12498	0.06	0.83	10000	
	PyQ	25					46.33		46.33				
		24					A-1 Carb. & silic upper 30cm: fine py finely lam., sp recognizable middle part: some py (fine~coarse) layer intercalated lower 40cm: G5 colored silic Arg. with thin py lam some.	85.37	1.42m 12499	0.14	1.52	680	
							46.95						
							47.37						
	G5	30					47.75		47.75				
			Py+cly				A-1 broken, fair number of slickenside faces few Qz veinlet						
50	G9 ~ black						49.96 10cm thick gouge						
							51.60						
	G4	20	Py				SS-1-m-f						
							51.90						
	G9 & G6 sand						S.S~mudstone (G6 colored) injected A-1 and highly contorted. (upper part more S.S. up to 70% or more) broken some slickensid recognizeable.						
			Py				54.18						
55	G4		Py				A-2 with py dissem bed lower part brec. & py filled						
			Py filled				55.12						
	G8						A-1 rarely silt & or Py (<1mm) layered						
	G9		Pyb										

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 39 CLAIM: PROPERTY: Jason PAGE No. 5 of

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							A-2 like ditto (A-1) locally about 30 to 60 cm length A-2 like intermittently appeared								
60							A-2 like								
65															
							68.58 HOLE END.								
70															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-40 | CLAIM Jason - 36 | PROPERTY Jason | PAGE No. 1 of 7

CORE SIZE HQ | AZIMUTH Collar 97.54m 56° 51° | ELEV. COLLAR 1155.87 | LOGGED BY K. I. Lu

ANGLE of HOLE Collar 97.54m -55° -48° | TOTAL DEPTH 97.54m | NORTHING 7002489.9 | DATE BEGUN Sep. 7th FINISHED Sep. 11th 1978

SECTION | % RECOVERY 74.30 % | EASTING 437168.3 | CORE STORED AT Jason Property.

COMMENTS: stick up : 71 cm

SCALE: 1 : 100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0m							Sperry Sun Test Depth Inclination Azimuth collar -55° 56° 30.48m -54° 55° 60.96m -51° 54° 96.01m -48° 51°								
							Overburden								
10															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-40 CLAIM: PROPERTY: Jason PAGE No. 2 of 7

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							Overburden								
15							15.90 (5cm clay + fgt gouge) Py & Qz vlt								
							A-1 Argillite * Carbonaceous * locally fine pyrite layers lamination forming thick bands * Pyrite finely disseminated in several places especially near py layers laminated parts.								
							21.20								
20							22.18 0.3-0.6mm fussy py bands								
							A-2 like. several 0.5-1cm light grey beds.								
25							disturbed part py band (2cm) Qz sid vlt cut. 25.97 (Two light grey beds — 6 & 3cm)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-40 CLAIM: PROPERTY: Jason PAGE No. 3 of 7

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G4	32°	Py				coarser py dispersed as fussy band.								
	G8	34°	Py												
	black	36	Py				ditto (A-1 - carbonaceous)								
30	G9	35°	Py												
	G8		Py												
	G7	35°													
	G7	34°	Py												
	"	35°	Py				32.42 fussy pyrite								
	G9	35°													
	G8	34°													
35	G9	34°					A-2 rock like,								
	G7						↓silty								
	G4		Py				Siltstone with SS + Py bands								
	G7						36.98								
	Pa						37.25 SS(+Py) — 2 — C~f (lower part contained angular, <1cm Arg fgt.)								
	G8	39°	Py				A-1-a intercalated B-4.								
	black	43°		Py			B-4 < Mtx - pebbly mudstone, <5mm ϕ cht fgt 5-8% Arg 30% (B-2) Fgt: 20% of <6cm Angular A-1-a rock — country rock & Py fgt 5~15% common								
	"	48°					38.90								
							A-1. lower part disturbed.								
40	G7	45°					40.22								
				Py			B-4 - s pebble with Arg fgt plates etc. [several units ?] [finer upward ?]								
	Pa						B-4 < Mtx: 20 Fgt: cm Arg 2~6mm common. few 1cm ϕ Py & rock some								
							41.36 Arg Fgt one 12 cm across several 4~6 cm length plates.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 40 CLAIM: PROPERTY: Jason PAGE No. 4 of 7

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
31	Pgs	43°					B-4 - L pebble (Mtx: 10%+; Fgt cht 60 Arg 30 pyz poor <1.5cm ø common coarser at lower part to 2.5cm								
							43.10 A-2-C lower part more sand bands up to 5%								
		44°					44.10 B-4 - Cobble (Fgt pyz cht 7cm ø & Arg 5cm across SS+Py)								
45	Pgs						using Tricone Drilling no core recovered.								
	?						46.02 B-4								
	Dgs						47.35 Siltstone with some ss beds intercalated								
		53°					47.85 B-2 - L pebble - graded, Mtx: ss-5-spebble								
	G5		Q cal.				48.10 A-2								
	Pgs	53°					48.60 B-4 - L pebble - graded. Mtx B-4 mostly cht+py <6mm; Fgt platy Arg <5cm								
	Black						49.04								
50	G8						A-1 ~ A-1-a								
	G9						* locally A-2 like rock.								
							* several disturbed parts (such as contorted, shattered)								
	G7	48°					52.00 (3cm gouge) * several B-2-m pebble ~ C.ss beds intercalated, which are contained large amount of pyrite fragments.								
	G5x		Py+ss				53.28 (1.5cm) Py + S.S								
	Black altn		Py+ss				53.42 (2cm) Py + C.ss								
			Py				53.62 (6cm) B-2 - Spebble Py70 Arg10 (<1cm) contorted								
		49°					* some pyrite beds								
55	Black														
	G5	52°					A-2-b like Py + s.s/clay beds								
	G4	51°	Py+Py				56.36 (10cm) B-2-spebble-graded (2 cht. <4mm)								
				Qz			A-2 like								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-40 CLAIM: PROPERTY: Jason PAGE No. 5 of 7

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							ditto. (A-1 ~ A-1-a) with local disturbances & py thin layers locally ~10 to 30 cm thick A-2 like rock								
	G8	40													
	G9	45		Qz			} several light grey ss ~ silt bed.								
				Qz			58.47 (10 cm) B-4-spebble - graded								
							59.43. light grey silty bed silic. py + ss layers intercalated								
60	G5	50													
			Py d				60.35 ← py + ss bed (5 cm 40%+)								
			Py f				61.93 ← fussy pyrite bed & nodule bed.								
		50°													
		49°													
	G8	48°	Py f				63.51 (5 cm) fussy py thin layers & nodule layers. lam one 4mm bed.								
	G9	51°													
		51°	Qz	Py f Sx											
65		38°		Py Qz			64.92 (12 cm) py (c~f) finely lam.								
		40°													
		42°					] A-2 - like								
	"	40°													
		41°													
		42°					} poor recovery only fgt. no clay								
70	"	46°	Py d b				) A-2 like								
		45°	Py d b												
		35°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-40 CLAIM: PROPERTY: Jason PAGE No. 6 of 7

COMMENTS:

SECTION (m)	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
		37°					A-2 lite 72.20						
	G8	41° 32					ditto (A-1 ~ A-1-a) ★ Carbonaceous from 76.40m						
							74.10						
75	G8	52° 53° 45°											
			Py nod Pyb				76.24 (5cm) Py 80+ S.S. Py nod 1 x 4 cm						
	G8	53° 55°											
		44											
80	G8						Py and/or Qz lam.						
		56°					81.20 1) fine py fine lam. & fussy pr. nodules bed.		81.20				
		57°					81.70 82.02 2) fine py fine lam. & Py and/or Qz lam.	54.77	1.45m 12520	0.044	1.18	0.56	
	black & Py alty	50°					82.27 82.68 3) "	60.78	82.65 0.35m 83.00 12521	0.023	1.28	0.67	
							83.00 83.29 4) "	74.02	1.84m 12522	0.119	>2.0	0.47	
85		49°					84.84 84.98 5) Semi massive Py bed	76.09	84.84 84.98 12523	0.068	0.4	0.42	
	black	43°					as above but much less Py and/or Qz lamination	67.99	1.12m 12524	0.124	1.19	0.61	
		51°					85.80 as above but no Py + Qz layer	68.21	86.10 1.07m 12525	0.163	1.80	0.64	

A-1 with Py &/or Qz layers lamination. (Py-Qz layer oftenly 2~6 mm thickness). many very fine-grained py. thin layers finely laminated.

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-40 CLAIM: PROPERTY: Jason PAGE No. 7 of 7

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

87.17 fault(?)

Poor recovery, fragments of Arg. with fine-grained py lam.

Possible fault zone
Poor recovery
Lower part some fragments of ore (Sp-Qz-Ser laminated ore with Qz-Sp-Gl veins)

89.61

Poor recovery, fragments of Arg. & ore.

90.53 fault(?)

90.70 Sp+Qz-Ser laminated ore Qz-Sp veined fault(?)

fine ss. with py & clay Py 20%+ (more py) fine Sp recognizable

91.70 fault(?)

Siltstone, carbonaceous
few py fine lamination

93.15

A-1, carbonaceous
* locally silt lam. showing A-1-a ~ A-2 like in 10 to 30 cm length
* fine-grained py finely laminated
* Py finely disseminated> locally up to 5% or more

96.07

Siltstone, with ss + py bands up to 8 mm *** Correlated to DDH 78-39 31.85m ~ 30.50m

97.05

A-1

97.54 HOLE END

% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	87.17						
20.83	2.44m 12526	0.05	1.52	0.74			
	89.61						
6.52	0.92m 12527	0.06	1.16	0.86	0.12	ORE	fgt
	90.53 12528	0.08	1.95	0.11	0.05	Arg	fgt
83.52	90.70 12529	0.03	3.52	0.03	0.44		
78.24	1.00m 91.70 12530	0.0285	0.565	0.53			
80.74	1.30m 93.00 12531	0.0135	0.48	1.05			
83.20	1.00m 94.00 12532	0.018	0.81	1.01			
81.15	1.00 95.00 12533	0.016	0.23	1.01			

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 | CLAIM Jason 58 | PROPERTY Jason | PAGE No. 1 of 10

CORE SIZE HQ | AZIMUTH 045° | ELEV. COLLAR 1209.67 m | LOGGED BY J. D. Rowe

ANGLE of HOLE -55° | TOTAL DEPTH 144.78 m | NORTHING 7002206.7 | DATE BEGUN Sep. 12th FINISHED Sep. 19th 1978

SECTION ---- | % RECOVERY 78.14 % | EASTING 436465.3 | CORE STORED AT Jason Property

COMMENTS: Stick up = 0.61 m

SCALE: 1 cm = 1 m

Sperry Sun Test

Depth	Inclin.	Az
0 (m)	-54	48
36.58	-56	49
60.96	-57	47
91.44	-55° 30'	46
143.26	-53	46

Overburden

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
5															
10															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 2 of 10

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
15															
							Overburden - contd. Glacial till with boulders of conglo., SS + Arg								
20															
	G2			S3			22.86 SS-1 (m-c)								
	G5						23.20 A-2 non sil weakly-non carb								
	G2						24.08 SS-1 (m-c) Py, Ds, 1-3%, fine grains Qz. Vt, 1-2%, 1-5 mm								
			Marc				24.50 Marc, mass or nodule (fumarole?) 7 cm ø								
25			Qz				25.40 shear								
	G4		Marc				26.20 A-2 Marc Vt 7%, 1 mm convolute Poss. fragment								
	G2						26.35 SS-1 Py, Ds, 5% fine gr.								
	G4						26.60 A-2 Poss. frag								
	[illegible]						26.80 [illegible]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 | CLAIM: Jason 58 | PROPERTY: Jason | PAGE No. 3 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							27.13 A-2-c Med-fine gr SS bands up to 1.5 cm, Marc, + 5-7%, 1mm								
	G4 G2	30° loose	Marc	SS			27.43 SS-1 (m-c) Py, Ds, 1-2%, fine gr								
	G4	24°					28.00 A-2-c Local fine SS bands 2-10 cm wide, cross lam, with 1-3% finely Ds Py								
		29°	Marc				Marc V+ 3-5%, 0.5-2 mm, convolute								
30		27°					Local bright yellow oxide coating on frac faces								
			Marc				Non cil, non carb, non calc Arg								
							** [78-41 28.00-45.00 m correlates to 78-33, 142.55-154.53 m]								
		26°	Marc												
	G2 G4	24°					33.20 mm shear - silt + Arg gravel 33.60 SS-1 (f)								
			Marc				A-2-c cont'd - same as above								
35		29°					med-fine SS beds up to 15 cm wide, massive to parallel + cross laminated.								
			Marc				↓ decreasing Marcasite VTS 1-2%								
		22°													
		28°													
		22°													
		2°													
40			Marc												
		12°													

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 4 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G4	12°	Marc	S3			A-Z-C cont'd								
							↓ decreasing SS bands								
45							45.00 — gradational contact								
		20°	Marc				A-Z-C 1-2% SS lams 1-5 mm wide								
							Marc Vt, 1%, 1-2 mm.								
							** [78-41, 45.00 - 56.39 m correlates to 78-33, 123.75 - 143.55 m]								
		16°													
		14°													
50															
		18°													
		13°	Marc				52.10								
		18°					52.30 — Marc, Vts + Globules, 15%, 1-5 mm								
							A-Z-C cont'd Marc Vt, 1%, 1-2 mm								
55															
		17°					56.39 f ?								
	G3						Silt + clay (graphitic) with [illegible] frags [illegible] poor recovery								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G8			S3			57.60 Silt + Clay (fault?) cont'd.								
							Siltstone - mod - highly carb. Py DS, 1-3%, very fine. Unconsolidated - Plasticene consistency - It appears that the cementing material has been leached out. Some textures are preserved - lams + fractures								
60															
	G5	33°					61.90								
		43°					Siltstone - mod - highly carb., weakly sil 5-10% DS, consistently round silica grains (0.1 - 0.3 mm) locally up to 15-20% 3-5% DS Py cubes + specks (0.1 mm) Weakly - non lam Qz Vt, < 1% 0.5-3 mm with minor Py								
65			Qz				*** [78-41 57.60 - 82.30 m correlates to 78-30, 228.4 - 237.1 m + 240.4 - 252.65 m]								
		30°													
			Qz												
		41°					69.60 Poss fault Silt, clay + frags of Siltstone 69.90								
70							Siltstone cont'd - same as above								
			Qz												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 6 of 10

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G5	25°		S3			Siltstone contd						
	G5-6						72.80						
			Qz				Highly frac - locally brecciated - highly graphitic frac faces with abund. Qz Vts + Nwk, 5-7%, 0.5-4 mm with Ds specks + blebs of Py, << 1%						
75													
							75.60 ~~~ Shear graph. silt, siltstone + Qz frags						
	G5	22°?					76.50						
							Local graphitic fracs. Qz Vts 3-5%, 0.5-2 mm with Ds specks + blebs of Py, 1%						
			Qz										
80													
	G3						82.30						
							Highly broken - very poor recovery						
							83.00 A-2 highly silicified, weakly carb, vuggy spaces abundant graphitic stylolites <0.5-5 mm wide, generally sub-parallel to lams, but some cross cutting. Qz Vt + Nwk, 7-10%, <0.5 mm - 4 cm with minor intergrown siderite, <1% Py specks + blebs + a few CP specks	67.8	83.00 12557 1.00 M 84.00				
		32°	Qz					78.9	12558 1.00 M 85.00				
		18°											
85		42°											
		34°					*** [78-41, 82.30 - 118.87 m. correlates to 78-30, 203.55 - 224.90 m.]	81.9	12559 1.00 M 86.00				
		41°											
		56°						[illegible]	[illegible]				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 7 of 10

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
	G3		Sid Py Sp	S3			87.00 / 87.20 Massive coarse crystalline Siderite. Qz Vt, 3%, 1mm Py Ds, 1-2% Sp Vt, <1%, 8mm	63.7	87.00 / 87.20 #12561				
		51°	Qz				A-2 highly silicified - s/a above	74.5	12562 1.00 M 88.20				
		45°					Abundant graphitic fractures + stylolites	91.7	12563 1.00 M 89.20				
		47°					Qz Vt, 5-7%, 1mm - 5cm, with Py Ds blebs + cubes, <1%, 0.5-5mm minor intergrown CP + a few specks of Gl	94.1	12564 1.00 M 90.20				
90		50°	Qz				Minor siderite blebs + Vt.	90.1	12565 1.00 M 91.20				
		45°						96.7	12566 1.00 M 92.20				
		26°	Qz Sid Py				92.40 — Mass. coarse xalline Siderite + intergrown Py band, 1.5 cm wide parallel to lams.	98.7	12567 1.00 M 93.20				
		32°	Qz					94.1	12568 1.00 M 94.20				
		33°						99.7	12569 1.00 M 95.20				
95		30°	Qz					97.4	12570 1.00 M 96.20				
		32°						89.5	12571 1.00 M 97.20				
		0°					Bedding parallel to C.A - Local small fold or undulation	83.7	12572 1.00 M 98.20				
		21°	Qz					73.4	12573 1.00 M 99.20				
		37°						85.7	12574 1.00 M 100.20				
100		35°					100.10 — Siderite Vt, 1%, 1-4mm Qz Vt, 2-3%, 1-2mm		12600				
	G4	47°	Sid				100.70 — Highly frac - brecciated Siderite, mtx + Vt, 10%, <1-5mm with <1% Ds Py + minor CP Qz Vt, 3%, 1mm-1cm with minor Ds Py + CP. - cutting Siderite	92.0	1.00 M 101.20				
	G5		Qz				101.40 A-2 highly sil. cont'd Moderately carbonaceous	89.2	12575 1.00				

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	% Ba	oz/ton Ag	ppm Cu
	G3 G4	34°	sid Qz CP	S3			COMMENTS:							
							102.20 Mass coarse xalline Siderite bed? - weakly lam. Sid Vt, 3% 1-5mm Qz Vt, 2% 1-5mm	96.4	102.20 12576 1.40 M					
							102.60 Qz Vt, 7%, 1mm-1cm with coarse Ds Py + intergr CP <1%, minor Sp - Sid Vt, 1% 1-5mm		103.60 12577					
		44°					103.00 A-Z highly sil mod carb Highly frac - graphitic stylolites Qz Vt, 1%, 0.5-2mm Sid Vt, 1-2% 0.5-2mm	41.2	1.10 M 104.40 12578					
105		38° 42° 40°						52.9	1.00 M 105.40 12579					
			Sz					61.3	1.50 M 106.40 12580					
	G1 G4	39° 26° 33°	S.D Sz				106.05 Bz Mass Minor intergrown Sid + bluish-green mineral (Chlorite?) 106.30 Qz Vt, <1%, 1mm Sid Vt, 3-4%, 0.5-5mm with a few Py blebs + minor CP	94.7	1.00 M 107.40 12581					
		20° 23°	Sz Sid CP				107.30 Qz V', 4.5 cm wide A-Z highly Sil - contd - Highly frac Local sections, up to 10 cm wide, with 5-7% very fine white lams + lenses (Silica?), 0.5mm	83.1	1.00 M 108.40 12582	430	68			286
		33°	Qz Sid CP				Qz Vt, 1-3% 0.5mm-1cm with local intergrown blebs of Py (5%) + CP (1%)	88.2	1.00 M 109.40 12583	320	73			99
110		35°					Sid Vt + Nwk 3-5% with local intergrown blebs of Py (3%) + CP (<1%)	100.00	1.00 M 110.40 12584	280	179			1780
		40°						97.4	1.00 M 111.40 12585	380	104			1040
		35°	Sid Qz					86.5	1.40 M 112.80 12586	1090	99			985
		40°	Cu				113.50 Native copper - very thin coating on frac surface.	100.00	1.00 M 113.80 12587	1300	124			990
		35°	Sid					100.00	1.00 M 114.80 12588	970	66			495
115		37°	Sid				115.20	100.00	1.00 M 115.80 12589	1260	60			241
		32°					Very highly frac. - locally brecciated Sid Nwk + Vt, 7-10% 0.5-5mm with a few blebs of Py + minor CP	89.2	1.00 M 116.80	1320	50			350

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 | CLAIM: Jason 58 | PROPERTY: Jason |

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS ppm Pb	ppm Zn	% Ba	ppm oz/ton Ag	ppm Cu
							COMMENTS:							
	74			S_3			A-2 Highly Sil - cont'd weakly carb highly frac Qz Vt, <1%, 1mm Sid Vt, 1-2%, 0.5-2 mm	79.6	1.00 M 12580 112.80	830	84			420
	73		Sid					62.7	12591 1.00 M 118.80	1430	440			970
		21°					***[78-41, 118.87-123.30m correlates to 78-30, 199.35-203.55 m]		12592					
			Py				118.87 Qz-Ser-chlor-Sid rock fine gr s/a below Fine Py Vts 5%, 1mm 119.10 Intense Py fine grained silica + Sil Arg mm-2cm highly contorted	7.5	1.00 M 111.30	1500	241			339
120		45°	Py				119.80 Highly frac + Br Sid Nuk + Vt 5-7% with blebs of Py + minor CP + Gl Qz Ser-chlor-Sid rock Intense alteration - Local Sil Arg frags up to 10 cm Py finely Ds 3-5% with Talc? rims Sid Vt, 3-5%, 1-5 mm with Ds blebs of Py + minor CP + Gl Py Vt, 3%, 1-5 mm	12.1	1.00 M 121.20	880	104			255
	72	55°					121.20 Breccia Sil Arg frags, angular, 3mm-4cm Qz-Ser-chlor Sid Matrix Sid Vt + Nuk, 7-10% 1-5mm with Ds blebs of Py (3-5%) minor CP + Gl	14.7	1.00 M 122.10	3500	189			1850
			Py				122.10 Qz-Ser-Chlor-Sid rock s/a 119.80-121.20 m Sid Vt 3-4%, 1-5mm with Ds Py (1%) + CP (<1%) Py Vt, 1-3%, 1mm-1cm Sp Vt, <<1%, 3mm Cemented + broken Vts	88.8	1.00 M 123.30	620	430			2400
	94	42°					123.30 A-2 - highly siliceous weakly carb weakly - mod frac graphitic fracs, some stylolites Qz Vt, 1%, 0.5-1mm Sid Vt 1-3%, 0.5-5 mm with local Ds blebs of Py (1-2%), minor CP + Gl.	12.1	1.00 M 124.30	290	59			208
		26°												
		34°												
125		37°						100.00	1.20 M 125.50	1120	33			241
		42°					***[78-41, 123.30-126.40m correlates to 78-30, 195.75-199.35m]	100.00	1.40 M 126.40	720	78			565
		36°					126.40							
			Sid Py	S_1			B-1 (S-L) - A-1-a frags (non sil, non carb), 3% Slst frags (med sil non carb), + a few SS-1 frags. (m), + some Sid + Py frags (broken Vts)	100.00	1.15 M 127.55	4800	82			1360
							Later tectonic brecciation - Sid. Mtx., locally 20-30% with intergrown blebs of Py (1-3%) + CP (<1%) + minor Gl Local framboidal Py clusters up to 1 cm ϕ in muddy matrix - some rimming frags.	91.3	12534 1.01 128.55	645	36	4810	2.2	
			Py					100	12535 1.00 129.55	540	43	5220	2.2	
130				S_2			129.55 A-2-c highly cleaved - locally B-1 (S-L) Weakly - non sil weakly - non carb 1-2% Slst lams up to 4cm + 1% SS lams up to 2cm Py Vt, <1%, 1-3mm	96.55	12536 1.25 130.80	210	590	4130	1.6	
		38°	Py					7.1	12537 1.00 131.80	225	3160		2.2	
				S_1			131.80							

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-41 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 10 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag ppm (oz/ton)
	G4			S1			B-1 (S-L) A-2 + A-2-c with bedded Py, 5-7%, 2mm-2cm, Py + Sp Vts Cht frags (s), 1% some with Ds + rims of Sp + Gl A few SS-1 (m-c) frags	94%	12538 132.70 0.9m	960	5800	3.0%	9.4
								98.03	12539 1.0m 133.70	870	3930	1.50	18
		~40°					133.70						
			Sp Gl				*** ORE - Interlam Massive Sp + Gl 1-5mm, highly contorted Py lams 1-5% 134.10 0.5-2mm Qz Vt + blebs <1% with interior Sp + Gl Angular Arg frags <1% 134.40 porous vuggy ore	1.18	12540 0.7m 134.40	179 ppm	275 ppm	1.80 %	6.08 oz/t
35		~40°					Increasing Gl + Py lams Py 30-40% ? 1mm-1cm 135.10	5.53	12541 0.5m 135.10	22.5 %	66.0 %	2.40 %	5.68
				S1,2			Predominantly Mass lam Sp, mod Sil Py blebs + lams, 3-5% 1-3mm 1-2% Gl lams <1% Arg lams + frags Qz blebs + Vt, <1% 1-3mm 135.60 Breccia - sulfide Mtx - frags of A-2 (some with bedded Py), SS-1 (m-c), C-2 (S-m) with Ds blebs of Sp, Py + Gl + chert with Ds + rims of Sp + Py Frags 1mm-10cm	10.14	12542 0.9m 136.00	4.1 %	9.0 %	5.30	2.26
							Matrix of Sp with intergrown Snd, Qz, Py, Gl - 70-80% decreasing downward to 10% 136.60	94.74	12543 0.6m 136.60	2.4 %	11.2 %	2.08	1.12
							Breccia - cont'd frags same as above, with local Ds blebs + rims of Py Sp + Gl Matrix of Arg with blebs + stringers of Py 3-5% locally 10% + Ds blebs of Sp + Gl (<1%)	96.06	12544 0.75m 137.35	.054 %	1.65 %	2960 ppm	15 ppm
			Py					97.40	12545 1.0m 138.35	.036 %	1.93 %	2.80 %	42 ppm
	G3						B-2 (L-E) Frags of A-2-c, A-3, Siltst, SS-1 (m-c), C-2 (S-L), + chert Some frags contain Ds specks of Py, Sid, or Sp - Some have bleached rims, of Sid or Py rims Qz Vt + blebs, 1% 1mm-1cm with Ds Py blebs 139.40	97.37	12546 1.05m 139.40	880	243	2.40 %	2.3 ppm
140	G4-5						C-1 (M-L) Many white Sil frags have alteration rims Qz Vt, 2-3% 1mm-1cm with minor Sid 139.90 B-4 (L) Frags of A-1-a, Siltst, Cht + SS-1 (m) Matrix of C-2 (S-M) Several frags have altered (bleached) rims Highly Silicified 141.15	97.05	12547 1.0m 140.40	410	184	1360	1.2 ppm
							B-2 (L-E) A-1-a, A-2-c, SS-1 (f-m), C-2 (S), + chert carb Arg Matrix.	96.05	12548 1.0m 141.40	345	38	2550	1.3 ppm
		10-30°					142.70 A-2-a Folded bedding highly cleaved. Possible fragment 143.30 B-2 (L-E) A-2, Siltst, SS-1 (c), SS-2 (f) + chert 143.80 B-4 similar to 139.90 - 141.15 m Several alteration rims + Sid rims. Local Sid matrix 144.60 A-3 Pass. fragment	97.7	12549 1.0m 142.40	169	24	3930	1.3 ppm
144.78							144.78						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 | CLAIM Jason 58 | PROPERTY Jason | PAGE No. 1 of 10

CORE SIZE HQ | AZIMUTH collar 140.21m 45° 44° | ELEV. COLLAR 1204.17 m. | LOGGED BY J.D. Rowe

ANGLE of HOLE Collar -55° 140.21m -44 | TOTAL DEPTH 143.26 m. | NORTHING 7002186.9 | DATE BEGUN Sep. 20th FINISHED Sep. 29th 1978

SECTION | % RECOVERY 66.78 % | EASTING 436511.0 | CORE STORED AT Jason Property.

COMMENTS: | SCALE: 1cm = 1m

Depth	Inclin	Az
0 (m)	-55	45
45.72	-60	45
76.20	-59	44
100.58	-56	47
140.21	-55	44

Overburden

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0 m															
5															
10															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: / DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
15							Overburden - contd								
20															
25	G4	2°		S3			24.38 A-2-c non sil, non carb 1-2% ripple, cross-lam. SS, 2mm-3cm ***[78-42, 24.38-50.29m. correlates to 78-41, 45.00-56.39m]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 3 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							A-2-c contd.								
30															
							32.20								
							A-2-c - contd · Local Marcasite Vt, 1-2%, 1-4 mm. - often contorted								
35															
							38.70								
							A-2 ~ A-2-c Marcasite Vt, 3-5% (locally 10%), 0.5-5 mm. Highly frac ~ sheared Porous rock.								
40															
							41.45								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 4 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	44			53			COMMENTS: -								
							A-2 - A-2-C Local Marc Vn 1% 1-5 mm Highly frac poor recovery								
45															
							46.63 No core Fault zone ?								
							48.16 One piece of core 4 cm A-2								
50							50.29 No core								
	98						53.34 Silt + clay (carb) with a few frags of Sist + Marcasite Very poor recovery Poss fault.								
55							54.86 Silt-Stone - Mod-highly carb. Py Ds 1-3% very fine Marc, Vn?, <1%, 1-5mm Unconsolidated rock - no cement. Some textures are preserved xxx 78-42 54.86-59.44m correlates to 78-41 57.60-61.90m]								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 5 of 10

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G8			S3	Unconsol. Slst		Siltstone - unconsolidated - cont'd								
							* [78-42 59.44-61.80 correlates to 78-30, 237.80-240.90 m]								
	G4		Py	S1,2			59.44 B-2 (S-L) Several Cht frags contain Ds specks + blebs of Py some Py frags - Mod highly sil. rock								
60	G5	57°	Qz Py	S3			60.40 Siltstone - mod-highly carb, weakly sil Qz-Py Vt 1%, 0.5-1mm. Local strong cleavage.								
		57° 60°	Py	S1,2 S3			61.50 B-2 (M-L) Cht frags contain Ds Py - some replaced by Py 61.80								
			Qz Py				Siltstone - mod-highly carb weakly sil 3-5% (locally 10%+) Ds round silica grains (0.1-0.3 mm ø) 3-5% Ds Py specks + cubes (0.1 mm) weakly - non lam - local strong cleavage. Highly frac - locally brecciated. Qz Vt 1-2%, <0.5-2 mm with minor Ds Py + local specks of Sp. Graphitic fracture surfaces								
65							*** [78-42, 61.80-68.30 m correlates to 78-41, 61.90-82.30 m]								
	G3	38°	Qz Py				68.30 A-2 highly silicified, weakly-mod carb, vuggy spaces. Highly frac. - abundant graphitic stylolites (0.5-5mm) Qz, Vt + Nwk, 3-5%, <0.5mm-1cm, with <1% Ds Marc crystals + blebs.								
70			Qz												
	G4-5	50°					70.80 A-2 weakly-mod sil weakly-mod carb., locally vuggy Highly frac - locally brecciated some graphitic frac surfaces [illegible] Ds [illegible] Transition								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 6 of 10

COMMENTS:

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	95	43°		S2			A-2 weakly-mod sil - cont'd								
		48°													
		40°	Py				73.40 A-2 weakly-non sil, weakly-mod carb. Highly frac - locally brecciated offsetting fracs (cleavage?) Pyritic lams 1% 0.5-5 mm (finely Ds Py 5% - 90% locally) Sid Mtx + Vt <1% <0.5-1 mm								
75		43°													
		38°													
		42°	Py												
		42°													
		40°													
		32°													
80		22°	Py				80.80 "Fuzzy" Py band - 5mm wide	96	81.00 12601 0.96 m 82.00						
		30°					82.00 A-2 mod-highly sil, Highly frac - Bx Sid Mtx + Vt. 5-7% <0.5-5 mm with local Ds blebs + coarse vals of Pyrite (2-3%) + Gl (1%) some intergrown Marc?	100	12602 1.50 m 83.50	2.45					
		36°	Sid Py Gl				83.50 Qz-Sid Vt, 1-2%, 0.5-2 mm with Ds Py blebs	100	12603 1.50 m 84.50						
85		35°					85.30 Bx Sid Mtx 10%, 0.5-2mm with minor Ds blebs Py + Gl + Marc								
		52°					85.60 A-2 weakly sil (locally mod. sil), weakly-mod carb. Pyritic lams 1-2%, 0.5-3 mm (20-90% fine gr "fuzzy" Py) Qz-Sid Vt 1-3% 0.5-5 mm with Ds [illegible] Py + Marc (1%) + minor Gl								
		35°	Sid Py Gl												

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 7 of 10

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: | DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

A-2 weakly Sil - contd

91.30 — Qz-Sid Vt, 3-5%, 1mm - 1cm with abund Ds blebs of Py, Marc, + minor Gl

92.00

Qz-Sid Vt, <1%, 1-3 mm with Ds specks + blebs of Py Marc, + minor Gl

95.30

Qz-Sid Vt, 3-5%, 0.5-5 mm with intergrown specks + blebs of Py + Marc (1-2%), local blebs Gl (<0.5%) + minor Sp
A few "fuzzy" Py lams, 2-5 mm wide
Strong cleavage - local Bx - rotated frags.

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
							A-Z - cont'd weakly sil (locally mod), weakly-mod carb. Py lams <1%, 1-5 mm Qz-Sid Vt, 3%, 1-3 mm with intergrown blebs of Py + Marc, with local minor Gl						
							104.60 104.85 Fault (?) silt, clay + fine A-Z frags.						
							A-Z Sla above						
							109.30		109.30				
							Very strong frac, ~ Bx Qz-Sid Mtx + Vt, 5-7% 0.5-8 mm with blebs + specks of Py + Marc (1-2%) + local Gl (<0.5%)	97	12604 0.97 m 110.30				
								87	12605 1.00 m 111.45				
							111.45	100	12606 1.00 m 112.45				
							Qz-Sid Vt, 1-2%, 1-2 mm with Py + Marc, + minor Gl	98	12607 0.98 m 113.45				
							112.80	94	12608 0.94 m 114.45				
							Qz-Sid, Vt + Mtx, 5%, 0.5-8 mm with Py + Marc (1-2%) + Local Gl	96	12609 0.96 m 115.45				
							114.25	86	12610 0.86 m 116.45				
							Py lams <1%, 1-2 mm Qz-Sid Vt, 1-2%, with DS Py, Marc, + local Gl						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 9 of 10

COMMENTS: The breccia units beginning at 121.00 m occur in that part of the stratigraphic sequence where the bedded sulfide horizon should be. The contact of the breccia and A-2 footwall rock is sharp, and fragments of similar A-2 rock are present in the breccias.

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag
							117.40 — Qz Vt, 2 cm wide with Ds Sid, minor Py + one speck of CP		117.45 12612				
							A-2 weakly sil - cont'd	90.9	1.00 M 118.55				
							118.55 — Sid-Qz, Vt + Mtx, 5-7%, 0.5-8 mm with Ds Py + Marc (1-2%) + local Gl (<0.5%)	80	12613 0.92 M 119.70				
							119.70 — Py lam, 1%, 1-8 mm Qz-Sid Vt, <1%, 1 mm	44	12614 0.58 M 121.00				
							121.00 — B-6 (L-E) A-2, SS-1 (c), + SS-2 (f-m) - some with Py blebs. Matrix B-4 (S-L) (locally B-2), Mainly Cht + Arg - Some Slst + SS Qz-Sid. Vt, <1%, 1 mm.	91	12615 0.91 M 122.00				
							123.30 — Silt + gravel, Poss fault (?)						
							B-6 S/a above						
							125.00 — B-6 (L-E) A-2, A-3, SS-5 (with sid mtx), SS-1 (m-c), B-4 (S-L) (same comp. as matrix material above), Slst, + C-3 (m) Matrix B-2 (S-L) Mainly Arg - Some cht + ss A few Py frags, up to 1 cm. Some Bx frags contain Ds Py blebs + a few Py Vt.						

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-42 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 10 of 10

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G4-5			S.2			B-6 (L-E) cont'd B-2 Matrix								
							132.45								
	G5-6						B-1 (L-E) [locally B-5 (L-E)] A-2 A-2-C A-3 (SS-2 → SS-3 beds up to 10cm) - Some frags contain Py Vt. Matrix generally muddy Arg, but locally contains frags of SS-1 (m-c), B-4 (S-M), cht, + fine gr Py. Also local pyritic matrix (fine gr)								
135															
	G4														
							137.20								
	G4-5						B-6 (L-E) A-2 A-2-C A-3, Sist SS-1 (m-c) B-4 (S-L) (s/a above), C-2 (S-L) B-2 Matrix (S-L) frags same comps as larger frags, + abund cht. Some Bx frags contain Ds Py blebs + a few Py Vt + one A-2-C frag contains a bleb of Gl								
140															
143.26							143.26								
						End									

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 | CLAIM Jason 58 | PROPERTY Jason | PAGE No. 1 of 13

CORE SIZE HQ | AZIMUTH Collar 45° 188.98m 46° | ELEV. COLLAR 1196.74m | LOGGED BY K.F.L.H. + J.P. Rowe

ANGLE of HOLE Collar -55° 188.98m -46° | TOTAL DEPTH 192.02 m | NORTHING 7002103 | DATE BEGUN Oct. 1st FINISHED Oct. 11th 19 78

SECTION | % RECOVERY 68.62 % | EASTING 436581 | CORE STORED AT Jason Property.

COMMENTS: Stick up - 71 cm

SCALE: 1:100

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
0							Overburden								
10															

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 2 of 13

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
15															
							Overburden								
20															
							24.38 SS-Z-C								
25	Gs	27°					25.20 A-Z-C								
		25°													
	Gs	25°	QVT				brecciated (by veining?) • S.S. bands <1 cm. 1~3 vol%. • Silic. silty beds (1~3 cm.) some & fine-grained py vlt.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 3 of 13

COMMENTS:

SECTION m	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	25°					} breccia ditto (A-Z-C) cont'd • Oftenly marcasite dissem layers lam or intercalated (<3 vol%)								
30	"	25°					29.87, 10 cm S.S-Z-C								
	"	22°					31.30 m								
	G3	20					32.00 5 cm clay SS-Z-C. • n mm ~ 1 cm or 1.5 cm thickness common few > 5 cm thickness • 1 ~ 5 mm clay bands iltn								
	G5	21°					32.92 A-Z-C. similar to above, 25.2 m ~ 31.3 m								
35	G3	25°					35.12 SS-Z-C • as above SS-Z-C bed								
	G5	25°					35.58 A-Z-C. 36.44 1.8 cm SS-Z-C sand band • similar to above, 25.2 m ~ 31.3 m • two thicker (5 ~ 8 cm) sand bands								
	"	24°					38.20 1.5 cm SS-Z-C sand band								
	G3	25°					38.61 SS-Z-C ~ f - graded in part } contorted • n mm ~ 5 cm or more thickness								
40	G4	31°		S			} poor recovery highly broken • 0.5 ~ 2 cm or more Argillite beds intercalated. • Some B-3-S ~ SS-5-S (3 ~ 5 cm) (Arg fgt only) occasionally found								
		37°					41.75								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason

SECTION m | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY | COMMENTS: DESCRIPTIVE GEOLOGY | % CORE RECOVERED | SAMPLE INTERVAL & NUMBER | ASSAYS: % Pb | % Zn | % Ba | oz/ton Ag

42.30 5cm sand band

A-2-C.

as above A-2-C rock

44.33 8cm sand band

45

44.53 6cm sand band

46.54 — SS-1-C upper part SS-2-f

46.84

A-2-C

Several 1-4cm sand bands A-3 like

- as above A-2-C rock but more sand bands showing A-3 like

48.87 — SS-2-C upper f-m grained

49.07

A-2-C

50

A-3 like SS bands 20%

- as above A-2-C rock more sand bands but less thicker (>4cm) band.

51.14 7cm sandband

52.12 14cm sand band

54.01 — SS-2-C 2cm Arg intercalated, upper, silty, soft limonite

54.31

A-2-C.

55

- less sand bands (1~2 vol%) and thiner (5~8mm or less)

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 5 of 13

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
	G5	33°					ditto (A-2-C) cont'd • lower part 5~8 mm thick sand bands increasing, transition to underlain A-3 ↓ sand band increasing 58.85								
60	G1 G2 alt	33°					A-3 • sand bands: mostly 0.5~1 cm thickness 5~7 vol% in general, middle part 8, 10, & 15 cm thick SS-2-C-f and ~10 vol% or more 62.13 10 cm SS-2-C								
		30													
		31													
		34	Marc b&vm.				63.71 A-2-C (~A-3 in part) • sand bands slightly decreasing • from 64.20 m marcasite-Pyrite layers or veinlets 1~5 mm extensive ~3 vol% + one 2 cm thick band. to 76.03 m								
65		35					2 cm gouge clay								
	G3	40					66.21 2 cm marc. band. typical A-2-C								
		35°													
		34°													
		38°					↓ thiner sand bands downward								
70		39°	Py bd				69.73 3 cm lam Py band. & 5 mm contorted mass Py bed 70.3 0.5 cm lam boundary Py bed & Py nod.								
		33°	Py dl	S			70.80 7 cm dissem Py bands lam. (35~40%)								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (A-Z-C).								
							less ss bands downward								
75							74.98 fair boundary py bed 1.2 cm ϕ 74.21 ditto (0.4 cm)								
							76.03								
							B-Z-L Fgt: cht 60 (< 1 cm ϕ common, max 1.5 cm ϕ) py3 common Arg 20% (≤ 1 cm ϕ common 2-5 cm ϕ few one 5 cm ϕ) Py fgt 5% generally < 0.5 cm ϕ few thin platy fgt. • porous matrix fairly silicified & py3 (py3 1-3%)								
80															
							81.65								
							ditto but less py or py3 fgt. and cht fgt coarser (1-2 cm ϕ max 5 cm ϕ)								
							83.82								
							Poor recovery								
85							ditto but more py or py3 fgt than above and some 5-6 cm ϕ Arg fgt.								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 7 of 13

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							COMMENTS:								
	P&S						Poor recovery								
							88.39 ?— — — —

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78 - 43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 8 of 13

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS % Pb	% Zn	% Ba	oz/ton Ag		
							ditto (Siltstone, carbonaceous)								
	G5 5 6		Qz vlt cluster				102.56 Carb. siltstone with lens-shaped siliceous material irregularly distributed (~10%)								
			Qz vlt cluster				103.63 —?—								
							A-2 (~ A-2-a locally)								
105	"						• occasionally ≤2mm thick sand layers laminated								
	"						• rarely <1cm silty bed intercalated								
							• more broken as usual								
	"		Qsid				1cm width Qz-Sid. vein contains Cp Py grains								
			Qsid.												
110							contorted								
	"														
			a												
	"		Py b Py bed				contorted slightly brecciated								
115	"														

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 9 of 13

SECTION | COLOR | BEDDING | MINERAL | TEXTURE | FRACTURING | LITHOLOGY

COMMENTS:

DESCRIPTIVE GEOLOGY

ditto (A-2 ~ A-2-a locally)
cont'd.
- from 119.40m contorted & brecciated parts appearing and more frequently seen downward.

Contorted & brecciated parts more frequently seen downward ↓

B-1-E (cobble)
Fgt: Arg fangs or more? (3~5 cm common some larger up to 10 cm)
fairly broken (fractured)

Poor recov.

Very poor recovery (25%±)

gouge, clay, & Arg fgt. - Probably fault ⑧

127.52

A-1-a ~ A-2-c. in local.
- Ga colored silty beds (~1cm±) occasionally intercalated.
- locally disturbed (contorted &/or brecciated)
- 131.56m ~ 131.85m (slightly disturbed) several Sp+Gl lenses <6mm thickness <5cm across with or without s.s bands

131.56
131.85

% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
34.0	(1.0)m 12784 (123.40)	25	50			91
60.0	(1.0)m 12785 (124.40)	24	28			92
59.0	(1.0)m 12786 (125.42)	53	73			84
22.86	(2.1)m 12787 (127.50)	70	112			93
68.75	(0.8)m 12788 (128.30)	310	58			91
65.0	(1.0)m 12789 (129.30)	188	46			84
85.0	(1.0)m 12790 (130.30)	166	44			64
97.0	(1.05)m 12791 (131.40)	79	>83			32
	(1.0)m 12792	490	4000			46

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							COMMENTS:							
	95		Marc	S3			ditto (A-1-a, A-2-c locally)		132.30					
								65.0	(1.0)m 12793 133.30	710	122			54
			Py Gl				133.60 Qz-Sid Vt, 1-2%, 1mm-1.5cm with Ds Py minor Gl + Cp.	72.0	(1.0)m 12794 134.30	1190	67			78
135							134.50	79.0	(1.0)m 12795 135.30	6300	60			87
							Very broken - poor recovery	39.0	(1.0)m 12796 136.30	580	41			61
	G8				gouge		136.30 Fault (9) silt, clay, + frags of A-1-a + A-2-c Minor Ds Py + Marc?	36.25	(0.8)m 12797 137.10	840	840			76
	R4-5		Sid Gl				137.10 A-3 ss bands up to 5cm wide. Highly frac poor recov Qz-sid Vt, 1-2%, 1-3mm with Ds Py + local Gl - minor cp blebs	31.54	(1.3)m 12798 138.40	1690	127			>10
	G8						138 fo Fault zone (9) silt, clay + frags of A-3 + A-2-c (some with Qz-Sid Vt + minor Ds Py + Gl)	58.64	(1.1)m 12799 139.50	1770	78			>15
140					gouge			78.75	(0.8)m 12800 140.30	161	279			162
								17.5	(1.6)m 12801 141.90	1620	208			188
	G3-4			S3			141.90	100.0	(1.0)m 12802 142.90	63	47			112
				local S1			A-3 30% + SS lams 1mm-3cm local bands up to 2cm fine-med gr. with sid mtx (5-30%) + minor Ds Py soft sed. deformation distorted lams, squeezed + folded Local strong cleavage = Bx (B-1) Sid-Qz Vt, 2-3%, 0.5-8 mm with minor Py + local very minor Sp. + Gl.	80.0	(1.0)m 12803 143.90	105	210			102
145			Cp Sid Py Sp minor					84.0	(1.0)m 12804 144.90	78	114			88
								73.0	(1.0)m 12805 145.90	42	29			124
								99.0	(1.0)m 12806 146.90					139

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason PAGE No. 11 of 13

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS Pb ppm	Zn ppm	Ba %	Ag oz/ton	Cu ppm
							COMMENTS:							
	G3-4		Py Sp Sid	S3			A-3 cont'd	102.0	(1.0)m 12807 147.90	41	1520			152
	G4			local S1			148.30	90.0	(1.0)m 12808 148.96	230	93			96
150	G5-6		Qz	S1-2			B-1 (L-E) A-2 ~ A-2-c frags. Alt. Mtx chloritic? Very strong cleavage. Sid. Vt + Mtx, 1%, <1mm with Ds Py. Qz Vt <1%, 1mm. Vts broken + distorted. 150.00							
							B-2 (S-M) A-2, Silt, Sid, + Sideritic SS chloritic? Alt. Mtx (70%) - strong flow tex. frags blend into Mtx. 151.10							
	G4			S1			B-1 (L-E) A-2, A-2-c. (SS lams contain finely Ds Py 0.5% up to 3%) 151.80							
	G3-4			S3			A-3 15% SS lams 1mm-1cm - some with finely Ds Py + Sid. Local Py nods. in SS							
	G4						153.80							
155			Py				A-2-c <5% biscuit rippled SS lams 1mm-1cm - locally 3cm - some with finely Ds Py + Py blebs. - Local Py nods. Qz-sid Vt. <<1%, 1mm. Local very strong cleavage + distorted, folded bedding. SS lams are often x-lam + loaded.							
160			Py Sid											
			Py Sid											

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G4			S2			A-2-c - cont'd Local strong cleavage - some rotated frags. Local small scale folding or soft sed deformation.								
165			Cz				165.20 — Locally fractured - Qz Vt, 5%, 0.5-3 mm.								
170							171.00 — 171.70 — Highly frac ~ Bx, Qz-Sid Vt, <1%, 1mm.								
	G3						A-3 10-15% SS lams 0.5 mm - 1.5 cm locally 8 cm 172.60 — X-lam + loading Minor finely Ds Py + Sid in SS 173.00 — local strong frac ~ Bx. Qz-Sid Vt, 2-3%, 1-5 mm Local Qz Vt, <<1%, 1mm - 1cm								
175			Cz				176.10 — Bouma B-C Bed 8 cm								
							Small shear								

CORDILLERAN ENGINEERING LIMITED — DIAMOND DRILL RECORD

HOLE No. 78-43 CLAIM: Jason 58 PROPERTY: Jason

SECTION	COLOR	BEDDING	MINERAL	TEXTURE	FRACTURING	LITHOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	% CORE RECOVERED	SAMPLE INTERVAL & NUMBER	ASSAYS: % Pb	% Zn	% Ba	oz/ton Ag		
	G3A G4			S3			177.20 Small shear — A-3 cont'd 177.40 A-2 ~ A-2-c Highly frac. - poor recovery Few Qz Vt < 1% 1mm with minor sid + Py								
	G4			S2			178.35 B-2 (S-M) A-1, A-2, cht. very highly sheared + frac - some graph Mtx sid + Silica mod ~ strong silicification Qz Vt + Nuk, 10%, 5-5 mm - 1cm Py 2s, 3-5% fine								
180	G5		Qz Py	S3			179.60 A-2 ~ A-2-c few small shears Qz Vt, < 1%, < 1 mm								
	G3-4			S1,2			180.95 B-2 (M-E) A-2, A-2-c, cht, Ss-5, B-2 (sil) - same as above Qz Vt, 2-3%, 1-5 mm Local Ds Py								
	G4		Qz				183.20 shear B-1 (L-E, up to 60cm) A-2-c, some A-2 + A-3 Locally B-5 - A few cht + ss frags in mtx A few Qz Vt < 1mm in upper 1.0 m One fine Gl, Py Vt Some SS lams + frags. contain Ds Py								
185			Qz												
							188.30 B-4 frag. same comp. as 191.55 - 192.02								
190															
	G3						191.55 B-4 (pegmatite) - Qz Feld + Sil + cht frags - some with Ds Py, Se Sp + Gl								

COMINCO NIDD 359 NIDD 361 CLAIMS

HUDSON BAY MINING AND SMELTING CO. LTD. T O M C L A I M S

CANOL ROAD

MIKE 1 · MIKE 2 · MIKE 3 · MIKE 4 · MIKE 5 · MIKE 6 · MIKE 7 · MIKE 8 · MIKE 9 · MIKE 10

MAYO MINING DISTRICT

WATSON LAKE MINING DISTRICT

LEGEND

- IP 230 — DENOTES IRON POST SET WITH TAGGED TRAVERSE NUMBER
- L.P. — DENOTES LOCATION POST
- T.H. 233 — DENOTES TAGGED TRAVERSE HUB, HUBS ARE 6" SPIKES OR WOODEN HUBS
- (60 SW, 15 NW) — DENOTES GRID LINE LOCATIONS
- D.H. 34 — DENOTES DIAMOND DRILL HOLE
- 48 — DENOTES PREVIOUSLY SURVEYED LOCATION LINE POINT NUMBER
- 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

REV NO.	DATE	REVISION	DR.	CH.	APP.

CORDILLERAN ENGINEERING LIMITED

OGILVIE JOINT VENTURE
CLAIMS, DRILL HOLES AND GRID PLAN
MACMILLAN PASS AREA (N.T.S. 105-O-1)

McELHANNEY ASSOCIATES
PROFESSIONAL LAND SURVEYORS
Vancouver, B.C.

		SCALES	
DESIGNED	R.N.G.	HOR.	1:10,000
DRAWN	K.M.S.	VERT.	
CHECKED	R.N.G.	DATE	
APPROVED	J.W.P.M.	JOB NO.	13567-0
CLIENT DWG. NO.		McASSOC. DWG. NO.	REV.
		13567-0-A	

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