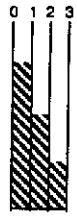
EQUITY ENGINEERING LTD.

DRILL LOG

PROJECT: TAIGA	COLLAR ELEVATION: 1372 m
HOLE: REN98-15	AZIMUTH: 000°
LOCATION: 7179821 N , 637399 E	DIP: -70°
LOGGED BY: JASON WEBBER	LENGTH: 72.54 m
DRILLED BY: FALCON DRILLING LTD	HORIZONTAL PROJECTION: 24.90 m
ASSAYED BY: CHEMEX LABS	VERTICAL PROJECTION: 68.2 m
CORE SIZE: BTW	
DATE STARTED: JUNE 8/98	DATE COMPLETED: JUNE 10/98
DIP TESTS BY: ACID	

DEPTH	DIP	AZIM	DEPTH	DIP	AZIM
72.54 m	-57.5°	000°			

ALTERATION SCALE



absent
slight
moderate
intense

SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

OBJECTIVE

Step back from REN97-07 to attempt to intersect mineralization 25 m downdip from REN97-07.

SUMMARY LOG

0.0 - 3.05 : CASING

3.05 - 11.50 : SILICEOUS, BLACK CHERTY ARGILLITE; WHITE PPT; POOR RECOVERY.

11.50 - 24.30 : SHALE BRECCIA; ARGILLITE, SHALE, LIMESTONE CLASTS IN A CARBONACEOUS, PUNKY MATRIX; FILLED VUGS; WEAK BARITE

24.30 - 29.87 : SHALE BRECCIA AS ABOVE; MORE CARBONACEOUS

29.87 - 32.92 : NO RECOVERY

32.92 - 42.06 : SHALE BRECCIA AS @ 24.30 - 29.87 m

42.06 - 49.50 : BARITIC LIMESTONE; CLAST-SUPPORTED BRECCIA W/ ARGILLACEOUS MATRIX; CALCITE CRACKLE-BRECCIATED

49.50 - 51.30 : CHERTY ARGILLITE; BRECCIATED W/ LIMESTONE CLASTS, tr AN

51.30 - 55.90 : CHERTY SHALE W/ CALCAREOUS LAMINAE, tr PY

55.90 - 57.20 : FAULT ZONE; STRINGER, BLEBBY CALCITE

57.20 - 64.40 : CHERTY SHALE, W/ CALCAREOUS LAMINAE AS @ 51.30 - 55.90 m

64.40 - 65.90 : FAULT ZONE, AS @ 55.9 - 57.2, MORE GOUGE, BRECCIATION

65.90 - 66.45 : CHERTY SHALE W/ CALCAREOUS LAMINAE AS @ 57.2 - 64.4 m

66.45 - 66.90 : FAULT ZONE, AS @ 64.4 - 65.9 m

66.90 - 72.54 : CHERTY SHALE W/ CALCAREOUS LAMINAE AS @ 57.2 - 64.4 m

72.54 m - EOH

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: gypsum veins	Fe CB veins	CA veins	white ppt			FRACTURE INTENSITY
					0-3.05 CASN							
3.05	0	0	CASN									
	8	0	ARGILL		3.05-11.5 GREY TO BLACK CHERTY ARGILLITE (ARGCC) Grey to black siliceous argillite Mostly pebbles, poor recovery Contains carbonaceous horizon ≤ 1cm thick. Weak white ppt on core after sitting overnight. Weakly conductive							
5												
5.49	0	0	No Core									
6.71	3	0	ARGCC	Rubble								
8.53	11	0										
10												
10.36	16	0										
11.58				11.5								
	56	36			11.5-24.3 (SHBX BA, CB) MDST CB, BA, BX Cherty argillite +/or shale, calcareous shale + unidentified lighter siliceous + calcareous fragments (vein qz/ca ppt or limestone fragments). Clasts							
13.11												
	66	14										
14.02				rusty frags with fr set.								
	67	0										
14.68			UNBX									
5	87	0										
	79	16			are generally angular, in a carbonaceous matrix. Zones of calcareous matrix likely to be limestone balls (@ 14.8m) (no clasts within 16.35-17.5m PY as sub-rounded fragments, as well as along fractures & breccia fillings. <1% PY over interval. Sulphate? coating on core strongest 11.6-17.7m. (esp. from 16-17.7m). Some interval yields royal blue stain when zinc zap applied (indicates iron). Core is heavily							
16.15												
	59	21										
17.68												
	57	4										
18.90												
	44	0										
20.73												
	56	7										
				partings	fractured with more competent zones containing abundant open spaces along fr. (matrix of bx washed away)							
22.25												

PROJECT TAIGA

HOLE REN98-15

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: Gypsum Veins	ALTERATION: Fe-Ca-Mg	ALTERATION: Calcite	ALTERATION: White ppt	ALTERATION:	ALTERATION:	FRACTURE INTENSITY
					cont.							
23.16	55	0			Core is baritic, cut by numerous Fe-Ca + gypsum veins (as well as ea unit). Decreases from ~ 15m down section. Zones oxide (jarosite), + mottled green + brown to rusty brown (probably FeOx) In places white ppt turn blue when Zinc zap applied or dark orange in others (16-16.35m) Unit resembles a variable cemented poorly lithified fault bx. Weakly - moderately conductive							
23.77	41	0										
25	94	0										
25.30	52	0										
26.18	13	0										
28.38	20	0										
29.87	13	0										
31.39	0	0		NO CORE	24.3-42.06 SHBX cr, BA FAULBX, CR, BA Texturally quite similar to the above unit, with greater carbonaceous component. Unit is sooty, as seen in other holes to date in this area. Extremely friable, easily broken apart by hand Contains abundant cherty fragments - in places seems clast supported Baritic. Gypsum? xtals (sprinkly transparent spikes + acicular masses) Visible under 40x microscope Cut by orange-rusty gypsum? stringlets @ bottom portion of unit. Lesser sulphate coating on core Slightly punky weathering moderately conductive No core 29.87 - 32.92							
32.92	0	0										
35	23	0										
35.97	7	0										
39.01	11	0			42.6-49.5 BRECCIATED BARITIC LIMESTONE LMST BABX Fine to medium grained (LMST BABX) limestone. Baritic (mud), Fetid Finely laminated down to ~42.3m Brecciated to base of unit. Two styles present (or apparently two styles) or phases ①. Brecciated limestone with variably calcareous shale to cherty argillite (or shale) ① Re-brecciation of the above style							
42.06	54	0										
42.98	77	15										
44.50	98	66										
45.11												

PROJECT TAIGA

HOLE RAN98-15

DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION: CA VNLTS	ALTERATION: EXP VNLTS	FRACTURE INTENSITY
	60	60			with calcite veinlets & stringers as well as open space CA fillings between bx clasts (44.5-44.7m)			
46.02					The entire unit is cut by CA veinlets, quartz veinlets (fewer than calcite) & minor gypsum veinlets			
46.44	120	100			Shale interstitially to clasts is in irregular masses with wispy margins as vein-like stringers < 1-2mm (giving a peppered appearance. Sections of shaley matrix with finely interspersed calcite or limestone fragments (± barite.) - possibly recrystallization			
47.5	82	59			Unit is clast supported in zones up to 30% shale/argillite material. Hematite on fr. Very weak green coatings on frac @ & base of unit.			
48.16								
50	80	31						
51.21								
52.5	94	46						
54.25								
55								
	85	55			49.5- 51.3 BARITIC CHERTY ARGILLITE BRECCIA LIMESTONE CLASTS (ABA, AX) Cherty argillite with clasts of limestone. Matrix supported. clast size ranges <1 mm - 3cm Looks to be 1° sedimentary clasts fallen into muddy matrix. Distorted beds around clast & ~~mud~~ lapping on to the larger ones. Narrow slips truncated clasts occasional 10-m CA veinlets, as 60YR. Clasts are angular, some very weakly laminated. Tr Annabergite (AN) as faint green coating on fracs. Unit Very weakly conductive			
57.30								
57.5								
	89	55						
60								
60.35								
	85	61						
62.5								
63.40								
					51.3- 58.9 BARITIC BLACK CHERTY SHALE WITH CALCAREOUS LAMINAE (SHALE (CA)) Dark grey to black cherty shale with laminae of calcareous shale. Narrow zones of finely laminated non-calcareous & calcareous shale. Tiny 1" blebs of PY 1" to bedding. Blebs recurring @ 52.7m.			
65	95	64						
66.45								
	89	61						
67.5								

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DEPTH (M)	% CORE REC	% RQD	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION (CA units)	FRACTURE INTENSITY
69.49				+ fr	Two parallel elongate blebs of py (~1 cm long x 1mm wide) parallel to bedding @ 52.7m (~75° TCA)		
70				+ fr	Calcite veinlets // to shaley partings as well as a set roughly perpendicular along a fine fracture set. This set host fine stringers and may or may not show movement ⊥ to bedding (= partings). Another set exists (Calcite veins) @ 45° TCA		
70.94	97	82		+ fr			
			8.0m.		55.9- 57.2 FAULT ZONE (FAUL)		
75					Intensely fractured zone with very strong stringer + blebby Calcite. Zone has been intensely deformed + brecciated. Gougey zones with sericite + weak clay		
					57.2- 64.4 BLACK CHERTY SHALE WITH CALCAREOUS HORIZONS. (SHALE/CA) Similar to 49.5 - 51.3 m slightly more calcite veining + large calcareous zones		
80					64.4- 65.9 FAULT ZONE (FAUL)		
					Similar to 55.9 - 57.2. Strong breccia zone @ top of interval ↓ gouge. Large zones of cherty shales, brecciated with little gouge. Bottom 50 cm strongest gouge, sericite		
					65.9- 66.45 BLACK CHERTY SHALE & CALCAREOUS HORIZONS (SHALE/CA)		
					Same as 57.2-64.4 m		
					66.45- 66.9 FAULT ZONE Same as 64.4-65.9 (FAUL)		
					66.9- 72.94 BLACK CHERTY SHALE & CALCAREOUS HORIZONS (SHALE/CA) Same as 57.2-64.4 m & ↓ calcite veining.		