

065

DIAMOND DRILL RECORD

HOLE NUMBER : PL 59

LOGGED BY : Linda Martin

HWPS

INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.												
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL.	% Cu.	% Al.	% S.	% Pb.	% Zn.	% Bi.	g/t Ag	% WO ₃	
0	6	-	-	WEATHERED RUBBLE														
6	140.33	8.3	55.3	<p><u>TUFFACEOUS SILTSTONE AND SHALE:</u></p> <p>6.0 - 21.0m Very weathered, broken and crumbly, fine grained, massive rock, with iron oxide staining and deposition along fractures. Moderate core loss. Minor thin irregular veins, filled with weathered, soft, white zeolite?; 0°-30° r.c.</p> <p>21.0 - 46.8m Fresher rock, well fractured with iron oxide staining along fracture surfaces. Fine grained generally massive rock with minor very fine grained well bedded layers:</p> <p>So : 36m — 24° 45m — 15° 38m — 30° 48m — 32°</p> <p>46.8 - 140.33m Fresh, dark grey, fine grained rock. Minor iron oxide staining on fractures for first 3 metres. Generally massive with minor finer grained well bedded layers:</p> <p>53m — 34° 80m — 42° 57m — 35° 88m — 46° 59m — 42° 91m — 49° 61m — 41° 93m — 43° 64m — 40° 97m — 50° 69m — 39° 131m — 41° 73m — 42°</p> <p>Zones of chlorite-actinolite-quartz- very minor chalcocopyrite-pyrrhotite veining at 69.1 - 85.67m, 106.1 - 113.5m and 121.71 - 129.54m. This veining may be up to 15cm wide, at 35°-80° T.C.A., and usually disrupts bedding.</p> <p>- Coarse grained, gritty zone at 108.96 - 109.99m, with blebs of pyrrhotite replacing grit fragments, associated with fine green, pyrrhotite-bearing veining.</p> <p>- Fine flakes of pyrrhotite replace the rock from 128.3 - 132.5m</p>	Crimson Creek Formation													
140.33	163.25	25.4	95	<p><u>BANDED HORNFELSED SILTSTONE AND CHERT</u></p> <p>Fine grained, banded, medium to light green and brown rock. Bedding/Bedding is faulted and disrupted in places.</p> <p>So: 142m — 32° 149m — 46° 145m — 41° 156m — 51° 146m — 33° 162m — 41°</p> <p>Veins of chlorite-actinolite-quartzite-pyrite-pyrrhotite or minor chalcocopyrite, up to 10cm wide, at 22° - 65°, occur at 142.4 - 143.93, 145.66 - 145.82, 146.36, and 151.97m.</p>														

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn.										
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL	% Cu	% As	% S	% Pb	% Zn	% Bi	g/t Ag
				From 160m to 167.1m. minor pink and green bands of calc-silicates occur up to 10cm wide, with minor fine stringers and flecks of pyrrhotite.												
163.23	167.1	3.85	90	FAULT BRECCIA Brecciated rock fragments of hornfelsed siltstone and chert with a chlorite and minor quartz matrix. Grades above and below into unfractured rock with frequency of quartz-chlorite veining decreasing from fault zone.	Fault Zone											
167.1	274.05	106.95	100	HORNFELSED SHALE Dark grey, fine grained massive rock. Very minor bedding at: 231m—47°; 242m—20°. Minor chlorite - actinolite - quartz ± pyrrhotite, and chalcopryite, veining at 199.15m, 221.67—222.9m, and at 224.12m.	C.C.F											
274.05	276.1	1.8	88	ALTERED FAULT BRECCIA Brecciated bleached light brown hornfelsed shale with a matrix of white calcite. Minor brecciation and veining extends into the surrounding unaltered rock.	Fault Zone											
276.1	298.3	22.2	100	HORNFELSED SHALE As for 167.1 - 274.05m	C.C.F											
298.3	316.62	18.32	100	BANDED HORNFELSED SILTSTONE AND CHERT Dark grey to chocolate brown siltstone to shale grading into light grey-green cherty bands up to 30cm wide. Banding: 299m—31° 310m—22° 302m—30° 312m—31° 307m—25°	"											
316.62	347.5	30.88	100	CALC-SILICATE ROCK 316.62 - 340.72m. Dark green banded rock with blebs of pyrrhotite in bands, minor bands of whitish calcite and veins of coarse, green fibrous actinolite. Minor fine grained pinkish garnet. Rare blebs of chalcopryite are associated with the pyrrhotite. Banding: 319m—33° 335m—31° 323m—24° 337m—22° 328m—29° 336.72 - 337.31m: Light pink to green band of fine grained garnet and chert? very minor to no pyrrhotite.	"No.2 Anomaly	316.5	317.5	0.09	0.05	0.04	<0.1	<0.01	0.02	0.009	1	0.01
						317.5	318.5	0.11	0.08	0.01	<0.1	<0.01	0.01	0.009	1	0.01
						318.5	319.5	0.13	0.08	0.01	<0.1	<0.01	0.02	0.005	1	0.01
						319.5	320.5	0.08	0.05	0.06	<0.1	<0.01	0.01	0.008	3	0.01
						320.5	321.5	0.08	0.07	0.07	<0.1	<0.01	0.01	0.003	2	0.01
						321.5	322.5	0.11	0.06	0.11	<0.1	<0.01	0.01	0.003	3	0.16
						322.5	323.5	0.12	0.06	0.17	<0.1	<0.01	0.01	0.006	3	0.08
						323.5	324.5	0.11	0.06	0.11	<0.1	<0.01	0.01	0.003	3	0.04
						324.5	325.5	0.19	0.06	0.06	<0.1	<0.01	0.02	0.002	4	0.36
						325.5	326.5	0.11	0.08	0.13	<0.1	<0.01	0.02	0.011	4	0.01
						326.5	327.5	0.11	0.06	0.04	<0.1	<0.01	0.02	0.008	4	0.01
						327.5	328.5	0.10	0.05	0.03	<0.1	<0.01	0.02	0.007	3	0.0

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INTERVAL (m)		RECOVERY		DESCRIPTION	FORM	% Sn											
FROM	TO	m	%			FROM	TO	TOTAL	ACID SOL	% Cu	% As	% S	% Pb	% Zn	% Bi	g/t Ag	% WO ₃
				340.72 - 347.5m : Pink brown to greenish banded rock. Richer in garnet and more cherty than rock from 316.62 - 340.72m. Minor pyrrhotite grading to none at base of unit.	"No2"	328.5	329.5	0.07	0.05	0.03	<0.1		0.04	0.02	0.008	2	<0.01
				Bandings: 341m - 29°; 344m - 33°; 346m - 39°		329.5	330.5	0.07	0.06	0.02	"	"	0.04	0.008	4	<0.01	
				Gradational upper boundary but sharp lower one at 32° I.C.A.		330.5	331.5	0.09	0.08	0.04	"	"	0.02	0.008	2	<0.01	
				Fine grained granite? vein at 341.54 - 341.61m; Light grey, porphyritic with actinolite alteration.		331.5	332.5	0.08	0.07	0.11	"	"	0.02	0.010	3	<0.01	
						332.5	333.5	0.09	0.06	0.08	"	"	0.01	0.007	3	<0.01	
						333.5	334.5	0.12	0.03	0.04	"	"	0.01	0.010	4	<0.01	
						334.5	335.5	0.02	<0.01	0.02	"	"	0.02	0.007	2	<0.01	
347.5	353.35	5.85	100	BANDED HORNFELSED SILTSTONE AND CHERT	C.S.F.	335.5	336.5	0.24	0.01	0.10	"	"	0.02	0.010	<1	<0.01	
				Similar to rock at 298.3 - 316.62m. Minor bands of pink and green calc-silicates.		336.5	337.5	0.04	0.01	0.04	"	"	0.02	0.007	1	<0.01	
				Bandings: 350m - 32°; 352m - 37°		337.5	338.5	0.08	0.01	0.10	"	"	0.02	0.012	1	<0.01	
				Very minor thin veinlets and blebs of pyrrhotite to 351m.		338.5	339.5	0.07	0.02	0.08	"	"	0.02	0.012	1	<0.01	
						339.5	340.5	0.10	0.02	0.06	"	"	0.02	0.006	1	<0.01	
						340.5	341.5	0.07	0.01	0.03	"	"	0.01	0.005	<1	<0.01	
353.35	356.4	2.74	90	FAULT BRECCIA	Fault Zone	341.5	342.5	0.06	0.02	0.09	"	"	0.02	0.007	2	<0.01	
				Brecciated hornfelsed shale and banded hornfelsed siltstone and chert, bleached and altered in places. Zones of quartz and chlorite veining. Core fairly broken; minor core loss.		342.5	343.5	0.03	0.02	0.03	"	"	0.02	0.006	<1	<0.01	
						343.5	344.5	0.07	0.05	0.05	"	"	0.02	0.004	1	<0.01	
						344.5	345.5	0.04	0.03	0.05	"	"	0.02	0.004	2	<0.01	
						345.5	346.5	<0.01	0.02	0.02	"	"	0.02	0.001	1	<0.01	
356.4	371.0	14.6	100	HORNFELSED SHALE		346.5	347.5	0.05	0.05	0.04	"	"	0.02	0.002	2	<0.01	
				Dark grey, fine grained, massive. Similar to rock at 167.1 - 274.05.													
END OF HOLE						CORE ANALYSER											
						FROM	TO	%Sn				FROM	TO	%Sn			
						315	316	0.04				334	335	0.1			
						316	317	0.06				335	336	0.06			
						317	318	0.06				336	337	0.03			
						318	319	0.16				337	338	0.05			
						319	320	0.06				338	339	0.07			
						320	321	0.09				339	340	0.02			
						321	322	0.05				340	341	0.05			
						322	323	0.13				341	342	0.05			
						323	324	0.07				342	343	0.04			
						324	325	0.05				343	344	0.08			
						325	326	0.08				344	345	0.03			
						326	327	0.08				345	346	0.02			
						327	328	0.08				346	347	0.02			
						328	329	0.05				347	348	0.06			
						329	330	0.02				348	349	0.05			
						330	331	0.07				349	350	0.05			
						331	332	0.05				350	351	0.05			
						332	333	0.03				351	352	0.03			
						333	334	0.04									

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