

DRILL HOLE RECORD

824443

PROJECT NAME : <u>PLATEAU</u>		DATE STARTED (M/D/Y): <u>Oct 5/91</u>		DIRECTIONAL DATA: A = Acid Test L = Light Log			M = Multishot T = Tropari		
HOLE NUMBER : <u>MSL 91-1</u>		DATE COMPLETED(M/D/Y): <u>Oct 6/91</u>		DEPTH (m)	TYPE A/L/M/T	ASTRONOMIC AZIMUTH	DIP	FLAG	COMMENTS
LOCATION : <u>SILVER LICHEN GROUP</u>		DATE LOGGED (M/D/Y): <u>Oct 6-7/91</u>		<u>89.0</u>	<u>Broken</u>				
PROJECT NUMBER : <u>668</u>		UNITS (F/M) : <u>M</u>		<u>120.1</u>	<u>A</u>	<u>—</u>	<u>52</u>		
CLAIM NUMBER :									
PLOTTING COORDS	GRID : <u>NO GRID</u>	ALTERNATE COORDS	GRID :						
	NORTH : _____		NORTH : _____ + _____						
	EAST : _____		EAST : _____ + _____						
	ELEV : _____		ELEV : _____						
COLLAR BRNG	GRID : _____ ° _____'	COLLAR SURVEY (Y/N) : <u>no</u>							
	ASTRONOMIC : _____ ° _____'	RQD LOG (Y/N) : <u>no</u>							
	COLLAR DIP : _____ ° _____'	PULSE EM SURVEY (Y/N): <u>no</u>							
CONTRACTOR : <u>Frontier</u>		LOGGED BY : <u>AF/JSB</u>							
CORE STORAGE : <u>Barriere</u>		START DEPTH: <u>0</u>							
CASING : <u>in</u>		FINAL DEPTH: <u>120.1</u>							
PLUGGED (Y/N): <u>no</u>									
HOLE SIZE : <u>NA</u>									
PURPOSE/COMMENTS : <u>Test Silver Lichen showing host stratigraphy down dip from 14.9% Zn sample.</u>									

HOLE NO. _____

LOGGED BY _____

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0.0 to 9.7	<CSG>							
9.7 to 23.4	<INT/PORPH DYKE>			Grey porphyritic intermediate dyke, 20-30% white phenocrysts in a greyish fine grained matrix. Phyllitic foliation. Occasional qtz veins. Minor argillite remnants in sections of core loss.	60-70°	Rusty, weathered phenocrysts.	Occasional pyrite porphyroblasts.	Pre deformation. 11.3-14.3m 40% core loss 14.3-17.4 70% core loss.
23.4 to 29.8	<CARB/GRAPH ARG>			Banded white carbonate bands and highly graphitic argillite. (35.65). Carbonate bands 1mm to 1cm. Local intense folding. 1-2% qtz veins to 10cm width.	65-75°		Occasional pyrite porphyroblasts	Core very blocky broken 26.5-29.6, sheared graphitic argillite foliation surfaces Possible transitional contact with mafics.
29.8 to 41.1	<MAFIC VOLCS>			Pale green f. mafic volcanics (EBG). +35.4-35.7- <carb/graph arg> Occasional qtz veins to maximum 5cm width.	75°	Local rusty weathering. Interval scratches easily; rich in iron carbonate porphyroblasts.	Trace secondary pyrite	Pre deformation Blocky broken core. 26.5-27.7m 60% loss 27.7-29.6m 37% loss Sharp lower contact.

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
41.1 to 46.0	< QTZ VN / ARG / CARB >			Intensely deformed interval of banded carbonate + argillite and fragmented quartz vein; 44.1 - 44.3 m flt, blocky 2 v. broken core 45.5 - 45.9 m flt, fracture, v. blocky broken core.	75-80°	{42.8 - 45.5} < silicified >	No sulphides	41.8 - 44.8 m 15% loss. Zone should roughly correspond with target horizon.
46.0 to 48.8	< DYKE >			Cross-cutting grey green porphyritic intermediate dyke. Dyke partly blocky due to late stage faulting {46.1 - 47.2} < flt >	35°	Green black ferro-magnesian phenocrysts locally altered to haematite.	Trace secondary Py.	44.8 - 47.2 m 50% loss
48.8 to 55.5	< LMSTN >			Whitish grey, foliated, folded, banded, fine grained micritic limestone. Minor argillite bands / graphitic stylolites. Occasional qtz veins parallel to foliation.	75°	Unaltered.	Trace secondary Py.	

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
55.5-61.3	<< Mat Dyke >>	Grey	f.g.	Weakly porphyritic (mafic phenocrysts) strongly magnetic post tectonic dyke w/ contacts at 30-40° to c.a.		Upper contact oxidized ~10cm in. 57.8-58.6 - oxidation adjacent to silicified fault zone		
61.3-70.0	<< LMSTN >>	Pale grey	f.g.-mg	Well foliated, finely banded with argillaceous laminae, recrystallized l st , locally with stylolitic laminae parallel to foliation 62.3-62.5 - 70% argillaceous laminae 64.3-65.3 - Mafic dyke 67.35-67.75 - Brown siliceous phyllite with 5% Py blebs. 68.7-68.8 fault	70	63.0-63.1 - Qtz vein 63.2-63.4 - Qtz vein 64.9-65.4 - Qtz vein adjacent to mafic dyke.		
70.0-72.2	<< Mat Dyke >>	Grey	f.g.	Same as above. Upper contact faulted, oxidized. Lower contact at high angle to c.a. Prominent feldspar laths.				
72.2-89.35	<< Argil Lst >>	Black grey		71.5-71.85 - L st /arg Intercalated thin bedded grey limestone and black, commonly graphitic				

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				argillite, minor grey to brown micaceous siliceous phyllite. 72.6-73.0 - Greenish brown chloritic phyllite 75.0-76.6 fault, graphitic gouge and crushed rock. 79.1-80.4 - post tectonic mafic dyke Increasing limestone, decreasing graphitic phyllite, toward bottom of section.	60-80	Sporadic quartz veining.	1% dissemin. Pyrite	
89.35-91.3	<<Maf Dyke>>	Grey	fg	As above, with fine feldspar laths, scattered 2-3mm mafic phenocrysts. Upper contact at high angle to c.a., lower at high angle.				
91.3-98.95	<<Arg / Ist>>	Black, grey	fg	Very similar to above section, mainly medium grey limy sediment; locally with F ₁ folds, D ₁ lithons	75-85	Sporadic Quartz veining		
98.95-104.3	<<Maf Dyke>>	Grey	P.g. m.g.	As above, locally with 2-5% carbonate(?) spots. Coarser grained toward core.				

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
103.3 - 104.8				103.3-103.6 - argillite and limestone				
104.3 - 109.5	<<Arg/1st>>	Black grey	fg	Intercalated graphitic phyllite and limestone thin bedded to laminated				
109.5 - 118.75	<<Maf Dyke>>	Grey	fg - mg.	106.6 - 107.5 - mafic dyke, faulted / (curved) at 107.0 As above, massive diabase. Upper contact faulted, lower contact at 40° to core, with 10 cm wide Qtz vein parallel to contact, with bleached halo.				
118.75 - 120.1	<<Arg/1st>>	Black grey	fg.	As above, very graphitic at dyke contact.		119.75 - 119.8 - Quartz vein, silicification.		

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM ()	TO ()	SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ag	ppb Au	Rock Type	Alt	Min	Grid	
45896	35.7	38.7																				
Maf volc.																						

Hole No. _____

Entered by _____

Logged by _____

Page No. _____

