DIAMOND DRILL CORE LOG

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PROJECT GRASS CLAIM GROUP BOOT CORE SIZE BQ
STARTED Aug 12/80 FINISHED Aug 17/80 TOTAL DEPTH 500 ft.
LOCATION 8+85N 0+73E COLLAR ELEVATION 4730 ft.
ANGLE 90° AZIMUTH - LOGGED BY U. Schmidt

FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES
10		
20	BEDROCK	
	Kqm — Quartz Monzonite - altered	
	3 ft. of broken core	
30		
	Pbcs — Biotite-Chlorite Schist - weathered and altered, chloritic, siliceous, biotite schist	
40	- rusty weathering bleached equivalent - all schist varieties are derived from chlorite schist which may be metamorphosed basic volcanic rocks	
	30°	
	- fractured, rusty and bleached equivalent	
50	40°	
	Medium to grey brown chloritic biotite schist	
60	40°	
70	Pbmcs — Grey brown and green biotite-chlorite-muscovite schist	
	40°	
	40°	
	Pbcs — Grey brown chloritic biotite schist	
80		

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FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES
80	Pbcs cont'd broken core	Grey to olive grey chloritic schist and siliceous chloritic schist
	fault zone, gouge and fault breccia	
90	chloritic and talcy gouge broken ground 30°	
100	90° - trace pyrrhotite	grey chloritic biotite schist
		Pale grey-green banded siliceous chloritic schist
	- minor garnet - quartz vein - quartz vein	
110	30°	
	healed breccia, some remobilized quartz	
120	Pcs & Pam 30°	Chlorite Schist and Amphibolite -dark green chlorite schist and green banded amphibolite, fine grained with late biotite porphyroblasts,
	pyrrhotite	-dark green and light grey banded limy siliceous chloritic amphibolite
130		
	Pcs	Chlorite Schist
140	40°	-grey-green to grey-brown limy chlorite chlorite schist with biotite porphyroblasts, abundant hairline fractures filled with calcite
	10°	
	pyrite, pyrrhotite, chalcopyrite	-darker pyrrhotite bearing chloritic schist, dark green weakly laminated to massive chlorite schist, pyrrhotite up to 10% remobilized along foliation and small cross-fractures
150		
	Pcs & Pam quartz vein fragments quartz vein	Chlorite Schist and Amphibolite -grey to green laminated siliceous chlorite schist and banded amphibolite, minor epidote alteration
160	broken ground	
	0 20°	-light grey and dark green laminated limy chlorite schist with minor biotite, abundant calcite filled fractures
170	- pale grey and green siliceous laminated schist -calcite matrix 50° - crenulated laminations	
	50°	
180		

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FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES PPM W	PPB Au	PPM Sn
180	Pcs & Pam cont'd			
	Pcs — Chlorite Schist -dark green, chloritic schist, very fine, light coloured elongated mineral grain define foliation, calcite is remobilized into late fractures	35	1	1
190				
	-pyrite in fault breccia - grey siliceous fault breccia			
200	- dark to light grey chloritic and carbonaceous fault gouge fault gouge			
210		10	<1	1
	-light grey-green siliceous breccia, light coloured siliceous fragments in chloritic matrix -grades to grey-green mottled siliceous chloritic rock which has appearance of highly altered Kqm Kqm?			
220				
	Faulted Contact			
230	KTqfp 50° — Grey-green hornblende-feldspar-quartz porphyry, hornblende to chlorite	10	<1	1
	- siliceous breccia - altered Kqm — Intrusive Contact			
	KTqfp -siliceous breccia — Fault Zone			
240	KTqfp -siliceous breccia gouge -white siliceous breccia in chloritic matrix			
	- darker grey siliceous breccia with darker siliceous chloritic matrix, with epidote alteration	5	<1	2
250				
260	- dark grey-green chloritic siliceous fault breccia			
	Kqm — breccia			
	Kap 40° — Altered aplite, strong talc developed near fractures, minor disseminated chlorite after biotite	1	<1	1
270				
180	Kqm			

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FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES PPM W	PPB Au	PPB Sn
280	Kqm cont'd — Quartz Monzonite -medium to light grey, brecciated and altered Kqm, light grey siliceous fragments in grey-green chloritic matrix, healed breccia, talc, epidote along narrow fractures, limy fractures very common talcy gouge talcy gouge			
290		5	1	2
	KTqfp — Hornblende Quartz Porphyry - faulted contacts, calcite in fractures			
300	Kqm? - grey siliceous rock fragments of unknown origin in dark green chloritic matrix, rock fragment boundaries all diffuse, may be severe alteration along fractures rather than breccia			
	Pbcs — Dark grey green siliceous and limy breccia, altered siliceous clasts in dark green chloritic matrix, limy, late faults and fractures are talcy, no foliation, breccia is healed and then fractured and faulted again by past Kqm faults			
310		5	<1	3
320	talcy 50° 30° fractured quartz vein			
330	Kqm — Quartz Monzonite 30° talc talc -highly fractured quartz monzonite with talcy fractures, indistinct grain boundaries, finely disseminated chlorite after biotite	10	T	4
	chloritic talc schist 20° 30° -dark chloritic matrix			
340				
	Pcs — Dark grey to grey-green chloritic siliceous breccia, calcite in 1-2mm fractures at 20° to core			
350	50° -carbonaceous fault gouge with grey chloritic and siliceous rock fragments	1	2	2
360	Pcss — Banded Calc-silicate Schist, garnet-vesuvianite-pyroxene-epidote in chloritic mottled matrix 40°			
	Pcs — Chloritic Schist -grey-green to dark green			
370	Pmm — Micaceous Marble green fluorite -clear fluorite 30° 2mm -grey to white banded crystalline marble with dark grey and green bands	200	6	3
	30 Pcs — Chlorite Schist -dark green brecciated chlorite schist limy chloritic fault gouge			
380	pyrite			

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FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES PPM W	PPB Au	PPM Sn
380	Pcs cont'd chloritic limy clay gouge talcy fracture -grey green mottled chlorite schist, weakly laminated to massive siliceous chloritic rock -epidote, carbonate, talc also present			
390	quartz vein, minor pyrite	10	2	6
	talc and carbonate gouge			
	40° 40° pyrite and calcite in fractures garnets			
400	Pcss -garnet vesuvianite pyroxene in chloritic schist, late calcite filled fracture, pale pink to cream coloured garnet			
	40° -garnet vesuvianite pyroxene? in dark green matrix, trace pyrrhotite, dark bands of aphibole? replacing banded chloritic schist	35	16	6
410	60° -pyrrhotite remobilized in fractures - minor pyrite, calcite and fluorite veins			
	20° Kqm 30° Quartz Monzonite -grey to grey green fractured and altered -Kqm highly altered to epidote, chlorite, sericite and talc along pervasive fracturing, larger fractures are talcy and calcite bearing, some fractures suggest open space filling, in general the rock is competent, suggests healing by late hydrothermal fluids, later brittle joints and faults are talc, calcite and epidote? bearing -late green and pale purple fluorite, large opaque phenocrysts of feldspar are seen in some sections			
420	40°			
	30° 40°	7	10	2
430	30° 20° pyrrhotite injoint - small rock fragments in silica fluorite matrix			
440	Pcs xenolith			
	quartz, fluorite replacement of Kqm quartz druses along vuggy fractures 40°	5	4	1
450				
460	60° 20° -green and minor purple fluorite veins up to 5 mm wide 30°			
	-pyrite, pyrrhotite quartz vein with fluorite	8	3	2
470	-fluorite vein			
	-fluorite, pyrrhotite quartz 50°			
480	-calcite filled fractures in silicified Kqm			

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FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES PPM W	PPB Au	PPM Sn
480	Highly altered Kqm cont'd -fluorite quartz veins common, chlorite, epidote alteration, open space filling with silica, late brittle fractures with late calcite			
	40°	12	1	1
490	broken core			
500	END OF HOLE			