

# DIAMOND DRILL CORE LOG

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PROJECT GRASS CLAIM GROUP BOOT CORE SIZE HQ,NQ  
 STARTED Sept20/80 FINISHED Sept 25/80 TOTAL DEPTH 401 ft.  
 LOCATION 1+15S 4+65W COLLAR ELEVATION 4950 ft.  
 ANGLE 90° AZIMUTH - LOGGED BY U. Schmidt

FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES
10	talus	
	BEDROCK	
10-20	Pggi - Grey and Green Interbanded - irregular black biotite schist bands in pale green chloritic groundmass, also calc-silicate bearing sections	
20-30	Kqm - Quartz Monzonite - grey, coarse grained, to coarse coarse porphyritic, altered Kqm, with cloudy altered feldspars, grey clay in fractures	
30-40	broken ground clay	
40-50	2' of broken core in 5	
50-60	broken core - chloritized biotite	
60-70	Pcss - Calc-Silicate Schist - grey, brown, green banded, - grains of biotite, chlorite, vesuvianite, garnet, scheelite in siliceous schist, mottled texture in calc-fracture related alteration silicate bearing sections	
70-80	Kqm - Quartz Monzonite - grey, coarse equi-granular to porphyritic, biotite to 15%, feldspar phenocrysts up to 2 cm, strongly jointed to broken core	
80-90	broken core	
90-100	broken core	
100-110	Pbcs - Biotite Chlorite Schist	
110-120	Kqm - Quartz Monzonite - medium grey porphyritic	
120-130	broken core	

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




















ASSAYS AND ANALYSES

FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES
80	Kqm cont'd - -medium grey, porphyritic, biotite quartz monzonite	
90	10° -olive to brown altered equivalent of Kqm porphyry -biotite with feldspar rims altered to chlorite epidote, producing olive colour -late chloritic hairline fractures cut core at 10°	
100	10° -red-brown K-alteration occurs in large feldspar phenocrysts, white opaque feldspars 5° -chlorite, epidote, minor carbonate alteration moderate to weak but pervasive 70° -quartz content increase down hole to about 40% by volume at 110	
110	60° -biotite chlorite schist xenolith Pbmcs 30° 50°-60° 70° 40° Biotite-Chlorite-Muscovite-Garnet Schist -dark grey-green and brown banded schist	
120	60° Kqm -light grey coarse porphyritic biotite quartz monzonite	
130	Pbmcs with pale yellow green fluorescence - apatite? -quartz vein with muscovite, biotite, pyrrhotite, tourmaline, chlorite Kqm -quartz, biotite, chlorite segregations in 2 mm bands, garnet often chlorite rimmed	
140	Broken ground 70° 30° Kqm sill 20° quartz vein 20° quartz vein 50° Kqm - pegmatite vein, tourmaline-quartz-feldspar-muscovite	
150	apatite? bearing pale grey sub-hedral, 1-2 mm grains, pale yellow green fluorescence	
160	Pam? 40° -dark green amphibolite, garnet and biotite bearing amphibolite?, post strain biotite, often in clots and bands 1-2 cm wide, probably chloritized 70° Kqm -grey coarse porphyritic biotite quartz monzonite	
170	Rock → -garnet-vesuvianite xenolith, pale greenish altered Kqm feldspars to epidote and chlorite	
180	Rock → -red brown alteration, possibly feldspathic or hematite mainly in smaller feldspar grains in groundmass	

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180	<p>  Pbc   tourmaline,   quartz, chlorite,   pyrrhotite,   biotite </p> <p>           Biotite-Chlorite Schist            -biotite-garnet-chlorite-muscovite schist            -dark green with brown bands,            -dark grey to dark brown            -pale yellow green fluorescent mineral            - dark brown late biotite bands </p>	
190	<p>  </p> <p>           -pale green epidote, chloritic equivalents - bleached            biotite-chlorite-muscovite-garnet schist            -dark grey with green and brown banded            biotite-chlorite schist cont'd            -talc on fracture faces, epidote            alteration along fracture faces </p>	
200	<p>  50   Kqm </p>	
210	<p>  60°   30°   50° </p> <p>           -quartz-pyrrhotite, tourmaline vein            olive green alteration around fracture </p>	
220		
230	<p>  quartz muscovite tourmaline vein - pale olive to brown coloured            alteration   Kqm altered            quartz vein            1 mm garnets in schist            60°   altered equigranular Kqm with green mica, and pale            yellow green fluorescent mineral, also biotite            Kqm dyke 50°            -dark grey and green biotite, chlorite schist with garnet </p>	
240		
250	<p>           pale olive green altered equivalents   Kqm   rusty weathering            along fractures are white, opaque            Quartz Monzonite - light grey, medium            grained, biotite to chlorite, feldspars </p>	
260		
270	<p>  40            - fine grained aplitic at contact   Pcs-Pam - Biotite-Chlorite Schist to Amphibolite?   20   30   70            -dark green and brown banded biotite-chlorite-garnet schist            minor dark green banded amphibole schist            Kqm            Quartz Monzonite            -coarse blebs of quartz </p>	
280		

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FOOTAGE	DESCRIPTION	ASSAYS AND ANALYSES
280	Kqm cont'd -medium to light grey coarse equigranular to fine grained aplitic biotite quartz monzonite, biotite to chlorite, many feldspars are weakly epidotized	
290	20° 20° Pcs biotite-garnet schist Chlorite Schist, grading to green banded biotite amphibolite -coarse biotite bands in chlorite schist with garnet, late biotite developed in chlorite schist	
300	dark brown banded biotite schist derived from chlorite schist, post deformation biotite, talcy on fracture 40° - coarse garnets up to 2 cm diameter in biotite schist developed in Pcs	
310	10° - dark grey mottled chloritic garnet biotite schist grading to dark grey green dense, weakly foliated biotite-muscovite-chlorite schist	
320	Kqm dyke 10° 50° 30°	
330	-dark olive green - altered equivalent, epidote bearing Kqm -pyrite pyrrhotite blebs in lower 2 feet	
340	KTqfp Kqm Hornblende Feldspar Porphyry - dark green chloritic, massive to medium grained	
350	Pcp 50° 30° 60° 40° Carbonaceous Phyllonite -dark grey to black siliceous carbonaceous phyllonite with disseminated pyrite less than 1 mm diameter, thinly laminated siliceous, less than 1 mm bands -a few minor graphite blebs -broken into 4-10" long pieces	
360	Kqm	
370	40° - pyritic laminae	
380	40°	

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FOOTAGE	DESCRIPTION		ASSAYS AND ANALYSES		
380	Pcp cont'd	-black siliceous graphitic phyllonite grades to			
	Pcs - altered	-biotite garnet chlorite schist altered to olive grey colour			
	++ Kqm	-grey biotite quartz monzonite			
390	Pcs cont'd	-grey and grey-green mottled biotite-chlorite-garnet schist with minor talc and epidote alteration			
400	END OF HOLE				