

Hole No. 56-83-5  
 Property Maine Land Co.  
 Location 12NE, 5SE  
 Project Code 0069  
 Drilling Co. Kennebec

Total Depth 0 - 559'  
 Elevation \_\_\_\_\_  
 Azimuth, Dip 315°, 60°  
 Drilling Date March 1983

Collared \_\_\_\_\_  
 Logged By R. Peale  
 Date March 1983  
 Comments \_\_\_\_\_

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH (ft)	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS			
				0			0 - 12' Overburden.				
				10			12 - 29.8' Silicified quartzite(?) and shale (2%): medium gray to grayish green (10GY5/2); aphanitic-fine grained; stockwork greenish black chlorite streaks and blueish MnO coatings locally present; rare quartz veins (possibly 2 generations; quartzites become more grainy downward.				
				20			29.8 - 47.9' Quartzite, silicified quartzite, shale: similar to previous section except for fewer layers of hard, aphanitic silica and increasing shaley layers (10%).				
				30			37.5' Disseminated pyrite in quartz vein.				
				40			47.9 - 52.9' Silicified andesite(?): dark greenish gray (5G4/1); fine grained; irregular quartz and quartz-calcite veins present; sheared, brecciated near lower contact.				
				50			52.9 - 74' Shale with some quartzite layers, laminations: greenish gray (5G6/1) to grayish green (10GY5/2) to light olive gray; aphanitic-fine grained; irregular to concordant quartz veins locally present; pyrite present as disseminations, streaks.				
				60							

0.0-0.1



py

py tr

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		0.1	<i>c<sub>b</sub></i> 53°	60	py tr-1%		61.2 - 62.5' Cemented breccia with blocky fragments - possible fault breccia.				
			<i>b</i> 42° <i>c</i> 8°	70			74 - 127.8' Shale: grayish green (10GY5/2) to grayish olive green (5GY3/2) with occasional dark gray layers less than 1' thick; aphanitic-fine grained; occasional layers of impure quartzite or andesite (similar to 127.8-130.7'); disseminations and masses of pyrite present throughout; concordant to discordant to irregular quartz veins locally present. 83' Shear zone with adjacent drag folds.				
				100			103.5 - 104.9' Possible andesitic layer.				
				110			111.8 - 112.5' Possible andesitic layer.				
				120							

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				120	py tr-1%								
							126.5' 4" andesitic layer.						
				130			127.8 - 130.7' Impure quartzite or andesite (tuff?).						
							130.7 - 210' Shale: same as 74-127.8' but with increasing medium dark gray to dark gray layers (30%), sandy (tuffaceous?) layers locally present.						
				140									
				150			151 - 161' Mostly dark gray to medium dark gray.						
				160									
				170									
				180									



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		0.0 0.1	35°	180	Py tr-1%		181 - 193.5' Mostly medium dark gray to dark gray.				
			39°	190			193.5 - 210' Increasing fine grained, possibly tuffaceous material.				
			41°	200			210 - 236' Tuffaceous shale, tuff: grayish green (5G5/2) to pale green (5G7/2) to pale olive (10Y6/2); aphanitic to fine grained; similar to shale units but much more fine grained material; quartz veins and masses locally present.				
			40°	210			236 - 479.5' Shale: greenish gray to pale olive to dusky yellow green (5G6/1) to medium gray to dark gray; aphanitic-fine grained; possibly tuffaceous in some sections; occasional layers (generally less than 1.5' thick) of fine grained andesite (see 127.8-130.7) and silicified andesite; quartz and quartz-feldspar veining				
				220							
				230							
				240							

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		0.0-0.1		240	py tr-1%		Pyrite present as disseminations, masses, lenses, layers and laminations.				
				250							
				260							
				270							
				280							
				290							
				298.4 - 299.9'			Fine grained andesite (this one may be a tuff).				

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		0.1		300	py tr-1%		302' Acid test: - 56° corrected.				
				310							
			c 36°	320							
				330		v ▲ ▲ ▲	327' 4" quartz-feldspar-chlorite vein. 327.8 - 329' Quartz veined, silicified, fine grained andesite?				
			c 40°	340							
				350							
			c 50°	360		▲ ▲	354.3 - 354.5' Fault breccia and gouge.				

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	0.0-0.1			420	Py tr-1%		422 - 424' Silicified Andesite.				
			b? / 40°	430			436' Acid test: - 55° corrected.				
			c / 54°	440			438 - 439' Silicified andesite.				
				450			444 - 453' Sections of fine grained quartzite and/or silicified andesite common.				
			c / 50°	460			460 - 461.5' Fine grained andesite (this one looks like a tuff).				
				470							
				480			478.5 - 479.5' Fine grained andesite contact marked by presence of quartz phenos in andesite matrix; no sharp boundary.				

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				480			479.5 - 553.5' Dacite porphyry: grayish green (10GY5/2 to 10G4/2); aphanitic-fine grained; porphyritic with quartz phenos (20%, up to .25" diameter) and mafic phenos (5%); greenish yellow patches and streaks present throughout; no mineralization.				
				490							
				500							
				510							
				520			517 - 520.1' Fine grained andesite, silicified andesite and/or sediment, shaley layers; sharp upper contact at 15° although some quartz phenos are present in fine grained andesite below contact; lower contact obscured.				
				530							
				540							

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		0.11		540									
				550									
							553.5 - 559' Fine grained silicified andesite and/or quartzite and shale.						
							559' Bottom of hole.						
						END							