

Hole No. 56-83-6
 Property Cassidy T5R6
 Location 59.3NE, 11.1 NW
 Project Code 1508.1
 Drilling Co. Kennebec

Total Depth 0-623'
 Elevation _____
 Azimuth, Dip N80°W, -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 - 36' Overburden				
				10							
				20							
				30							
				40			36 - 80' Tuff: light greenish gray (5G8/1) to greenish gray (5G6/1), pale green (10G6/2) to grayish green (5G5/2); aphanitic-fine grained; moderate foliation (possible layering) present throughout; cleavage appears subparallel to layering (bedding); softer than knife, uniform in texture and composition; fine phenocrysts and/or fragments present; trace disseminated pyrite locally present; calcite and quartz-calcite streaks, masses, and veinlets locally present. 36-57' Limonite present throughout.				
				50							
				60			57 - 75' Limonite intermittently present.				

0.0-0.1

70%



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	70%	0.1	63°	60		+							
				70		+							
				75 - 80'		+	Weak disseminated calcite.						
			72°	80		+	Gradational boundary						
	99%			80 - 133'		+	Crystal - ash tuff; pale green (10G6/2) to grayish green (10G4/2 - 5G5/2) to greenish gray (5GY6/1; aphanitic-fine grained; porphyritic (35% phenos of quartz and feldspar); phenos subangular to subrounded, oriented, less than .15" long; streaky, laminated appearance probably due to strongly flattened shards; calcite masses and streaks present throughout; texture and composition appear uniform throughout section although color is variable; irregular quartz-feldspar and quartz veins occasionally present; trace pyrite locally present as disseminations.						
				90		+							
	1%		60°	100		+							
				100(?) - 106'		+	Mislatch.						
				109'		+	Streaks of disseminated pyrite xstals.						
	100%			110	py	+							
				120		+							

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	100%	0.01 0.1	60°	120			126.3' Thin layers with up to 30% disseminated pyrite. 126.3 - 133' Increased pale green (10G6/2-5G7/2) to moderate yellow green (5GY7/4) alteration.				
				130	py py	+	Quartz vein at approximately 45° along contact.				
			65°	140			133 - 303.9' Shale: gray to black; aphanitic-fine grain; laminated to thin bedded; extensive soft sediment deformation; quartz-calcite, calcite, and quartz veins, veinlets and masses present throughout section; local sandy and possibly some tuffaceous layers present throughout section; pyrite present as disseminated masses and rarely in laminations; graphitic zones present throughout (ohmmeter needle deflected).				
	95%		65°	160							
				170							
				180	sp?		180' Pyrite, possible sphalerite associated with irregular quartz veining.				

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	95%	0.1		180	py, tr		<p>187.4' Possible chunks of arsenopyrite associated with pyrite in pyrite mass.</p> <p>204' Sphalerite, galena? associated with pyrite in quartz vein.</p>				
				200	sp, ga						
	90%			210							
				220							
				230			226.5 - 227' Possible fine-grained tuff layer.				
				240							

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		0.1		300	py tr		Sharp contact approximately 60°.				
	90%			310			303.9 - 358' Tuff and crystal-ash tuff: dusky yellow green (5GY5/2) to grayish green (5G5/2-10G4/2); fine grained; locally porphyritic with up to 15% white quartz phenos; most of section is foliated (layered), locally silicified; quartz and quartz-calcite veins and streaks locally present, mostly concordant; greenish yellow alteration patches and streaks present throughout; occasional traces of disseminated pyrite but very little mineralization.				
				320			309' Fault breccia and gouge.				
	100%			330							
				340							
				350			346' 2" dark gray shale.				
				360			Gradational boundary.				

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	100%	8.6-9.1		360			358 - 414' Quartz latite porphyry: Varicolored fine grained - medium grained phenocrysts of plagioclase (25%), kspar (15%), mafics (biotite?) (20%) and quartz (7%) in an aphanitic to fine grained matrix (33%); greenish clay-sericite(?) alteration of plagioclase; chloritization of mafics; orange kspars; phenos are euhedral to broken or rounded; calcite veinlets and fracture coatings common; occasional traces of disseminated pyrite.				
				370			358 - 366' Similar to dacite porphyry.				
				380			398 - 414' Increasing orange alteration of all feldspars. 398.5' Bright green clay alteration.				
				390			414 - 454' Monzonite to quartz monzonite to quartz latite porphyry: alternating sections of mafic rich, equigranular, fine grained, medium grained and coarse grained sometimes porphyritic rock; mafics (biotite) comprise about 25% of rock; occasional quartz and calcite veins and veinlets; local epidote streaks and veinlets.				
	100%			400							
				410							
				420							

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	100%	0.1		420									
				430									
				440									
				450									
							Gradational boundary.						
				460			454 - 471' Quartz latite porphyry: similar to 358-414'.						
	100%			470			Gradational boundary.						
				480			471 - 533.3' Dacite porphyry: dusky green (5G3/2); mostly porphyritic but occasionally equigranular appearing; texture is generally indistinct; phenocrysts(?) of quartz, feldspar and mafics in a dark aphanitic-fine grained matrix; calcite veinlets and fracture coatings; occasional quartz and quartz-calcite veins; occasional trace disseminated pyrite.						

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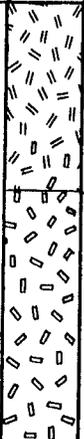
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	100%	0.1		480			472 - 473.4' Greenish yellow altered dacite porphyry; upper contact at 15°, lower at 50°, both sharp.				
				490							
				500							
	100%			510							
				520			Sharp contact at approximately 75°.				
				530			533.3 - 561' Quartz latite porphyry to quartz monzonite: fine grained, equigranular to porphyritic to seriate textured; crystals and phenocrysts up to 6mm in diameter of plagioclase kspar, quartz, and biotite; 15-20% mafics; mafics partially to completely chloritized; greenish yellow clay-sericite(?) alteration of feldspars; orange kspar(?) present; local epidote, quartz and quartz calcite veins; calcite veinlets and fracture surfaces present; occasional trace disseminated pyrite.				
				540							

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	100%	0.08 0.1		600	py-tr		Fragments of dacite porphyry in greenstone along lower contact. Irregular contact.				
				610			609.7 - 623' Dacite porphyry: similar to 471-533.3'.				
				620							
					END		623' Bottom of hole.				
							Acid tests				
							200': -53° corrected				
							445': -49° " "				
							623': -45° " "				