GETTY MIN G COMPANY

Hole No. 57-82-1
Property T5,R7
Location L120N 265E
Project Code
Drilling Co.

Depth 0 - 120'
Elevation
Azimuth, Dip 330°, -60°
Drilling Date

Collared
Logged By R. Peale
Date
Comments

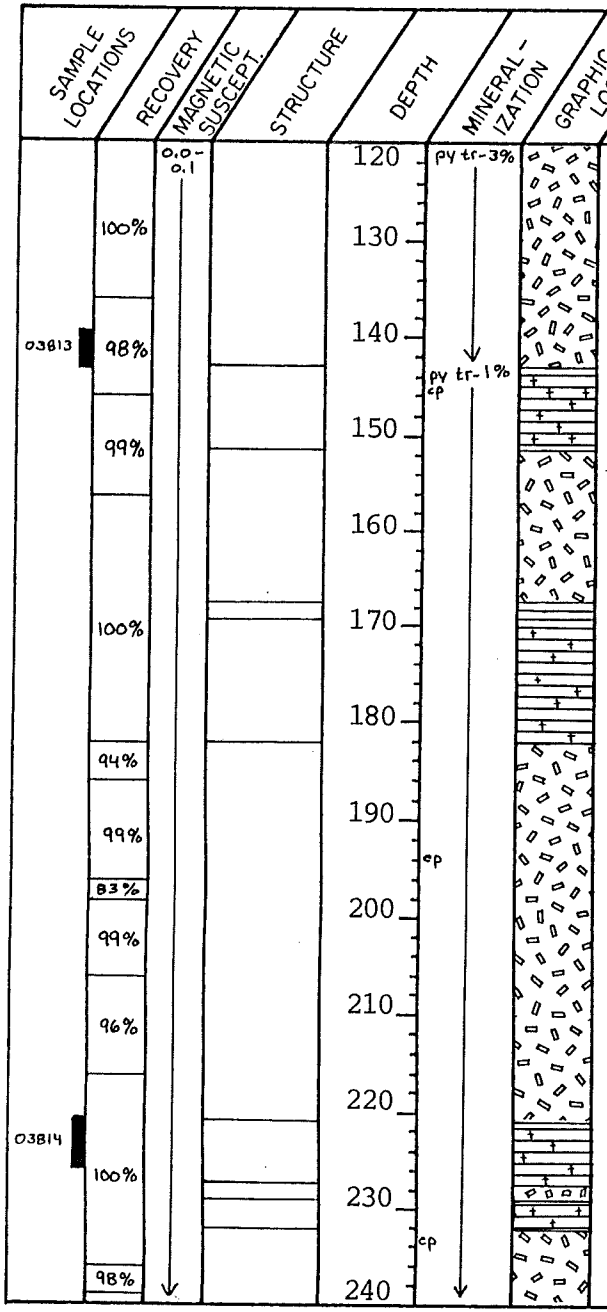
SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS Cu	Pb	Zn	Au/Ag
								(all in ppm)			
				0			0 - 16' Overburden				
				10			16 - 17' Dacite porphyry and tuff rubble: FeO stained 17 - 37.5' Tuff and tuffaceous shale: medium grey (N5) to olive grey (5Y,4/1), light olive grey (5Y,6/1) to dark greenish grey (5GY,4/1); aphanitic to fine grained; irregular quartz masses and streaks present; erratically distributed pyrite as disseminations and masses; brecciated sections due to soft sediment deformation				
	100%	0.0-0.1		20	py tr						
	92%										
				30			30.4 - 32' Dark grey shale with lighter layers 37.5' Sharp contact at 50°				
	100%			40			37.5 - 80' Dacite porphyry (crystal tuff?): greyish green (5G,5/2 - 10G,4/2) groundmass; medium grained to coarse grained phenocrysts in very fine grained to fine grained groundmass; groundmass 60%, quartz phenos 25%, feldspar phenos 5%, mafic phenos (biotite?) 10%; some dark greenish yellow (10Y,6/6) (sericite?) alteration after feldspar?; disseminated cubes, blebs and masses of fine grained pyrite present throughout, streaks of very fine grained pyrite also present				
				50	py 1-2% cp		55' Streaks and masses of pyrite becoming more common				
03808	100%			60	py 1-2%		56' ½" quartz vein at 20° with 2mm creamy colored feldspar outer boundary, chalcopyrite bleb in vein	5	10	55	<.02/<.2
03809					py 3-5%			5	15	50	<.02/.4
	95%			70	py 1-2%		58' Fragments and streaks of aphanitic to fine grained tuff 61' ½" thick massive pyrite zone 61.2' Fine grained pyrite veinlet - possible small shear 80' Irregular, gradationalcontact; fragments and streaks of tuff in dacite porphyry matrix				
03810	99%			80	py tr-3%		80 - 82.8' Tuff?: similar to 17 - 37.5'	10	<5	75	<.02/<.2
03811							82.8' Irregular contact; tuff appears brecciated, squeezed	10	5	45	<.02/<.2
				90			82.8 - 88.5' Dacite porphyry 86' Acid Test: -60° corrected 88.5' Contact Obscured				
03812				100			88.5 - 94' Tuffaceous shale, tuff; similar to 17 - 37.5'; much brecciation in this section - soft sediment?; 90.4' Quartz vein at 10°	15	10	75	<.02/<.2
	100%			110			94' Irregular contact with brecciation and streaking out of tuff 94 - 143' Dacite porphyry 113' Slicks on fracture surface at 20°				
				120			117' Quartz-calcite veining at 15°				

GETTY MIN. & COMPANY

Hole No. 57-82-1
Property
Location
Project Code
Drilling Co.

Depth 120' - 240'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION

133' Irregular quartz-calcite masses, streaks
138 - 139' Tuffaceous mudstone
140' 1/8 - 1/2" branching quartz-calcite vein at approximately 25°
143' Gradational contact with brecciation, streaking of shale
143 - 151.8' Shale, tuffaceous shale, tuff: similar to 17 - 37.5'
144.5' Possible chalcopyrite bleb in brecciated (soft sediment?) shale
151.8 - 167.8' Dacite porphyry
158' Quartz masses
160.5' 2.5" quartz vein at 70°
165 - 167.8' Contact zone
167.8' Irregular diffuse quartz masses and veins along contact
167.8 - 169.6' Shale: dark grey (N3); aphanitic; numerous quartz streaks, veinlets; disseminations, masses, streaks of pyrite
169.6' Sharp contact at 80 - 90°
169.6 - 182' Tuff, tuffaceous shale; similar to 17 - 37.5'; quartz masses, streaks, irregular veins present in places
182 - 220.4' Dacite porphyry: similar to 37.5 - 80'; quartz streaks, veins, veinlets locally present
191.5, 192.5' ¼",½" quartz veins at 35°
194' Chalcopyrite masses associated with pyrite along shear (?)
220.4' Sharp but wavy contact at 30 - 50°
220.4 - 227.4' Tuff, tuffaceous shale: similar to 17 - 37.5'
221.3 - 223.1' Silicified; irregular, diffuse quartz veins, veinlets, masses throughout section; cream colored feldspar (?) masses in vein
223.7 - 226' Silicified; irregular, diffuse quartz veins, veinlets, masses throughout section; cream colored feldspar (?) masses in vein
227.4 - 229' Dacite porphyry:
229.4' Sharp contact at 50°
229.4 - 232' Silicified tuffaceous shale: irregular diffuse bordered quartz veins, veinlets, masses present throughout; some open space filling quartz; irregular patches of dacite porphyry present within section
232' Sharp contact at 60°
232- 246.4' Dacite porphyry: occasional quartz masses present
233.3' Chalcopyrite blebs associated with fine grained pyrite masses and streaks

ASSAYS			
Cu	Pb	Zn	Au/Ag
(all in ppm)			
130	20	55	.02/.2
145	5	30	.02/.2

GETTY MIN G COMPANY

Hole No. 57-82-1
Property
Location
Project Code
Drilling Co.

Depth 240' - 360'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS Cu	Pb	Zn	Au/Ag
	93%	0.0 - 0.1		240	py tr - 1%		246.4' Contact at approximately 45°	(all in ppm)			
							246.4 - 268.3' Tuffaceous shale, tuff; similar to 17 - 37.5'; silicified in places				
				250			249 - 250' Silicified				
	100%						257 - 265' Silicified; diffuse bordered, irregular quartz veins, veinlets, streaks present				
				260			268.3' Sharp but wavy contact, partially obscured				
03815							268.3 - 289.5' Dacite porphyry; occasional quartz veins	50	10	20	<.02 / <.2
	99%			270			278' ½" quartz vein at 25°				
							289.5' Sharp contact at 55°				
							289.5 - 309' Tuffaceous shale: similar to 17 - 37.5'				
				280			290.5 - 291.5' Dacite porphyry: up hole contact at 15°, down hole contact obscured				
	100%						298 - 300' Laminations faulted and gently folded, oriented at 0 - 15°				
				290			305.5' 0 - ½" quartz - calcite vein at 10°				
							309 - 315.1' Tuff, tuffaceous shale, possible dacite porphyry: swirly, deformed, brecciated zone				
	94%			300			315.1 - 316.6' Dacite porphyry				
							316.6' Sharp contact at 30°				
							316.6 - 321.5' Andesite porphyry: greyish green (10G,4/2) to dusky green (5G,3/2); aphanitic to fine grained; fine grained to medium grained mafic and altered feldspar(?) phenos; feldspar phenos altered to dark greenish yellow (10Y,6/6) to light olive (10Y,5/4), aphanitic clay? minerals; this unit is similar to dacite porphyry but lacks quartz phenos, sharp Contact @ 20°				
	98%			310							
	95%			320			321.5 - 341.5' Dacite porphyry: occasional quartz veins, veinlets				
							334' ½" quartz-feldspar vein at 70°; moderate greenish yellow (10Y,7/4) to dark greenish yellow (10Y,6/6) sericite? - clay? alteration selvage				
				330			334.8' Greenish yellow alteration associated with quartz-feldspar streaks				
							336 - 341.5' Erratic gradual decrease in white quartz phenos				
				340	py tr erratically dist.		341.5 - 345.5' Andesite porphyry: similar to 316.6 - 321.5' but with pervasive moderate greenish yellow (10Y,7/4) to dark greenish yellow (10Y,6/6) clay? alteration				
	100%										
				350			345.5 - 427' Tuff, tuffaceous shale: similar to 17 - 37.5' most of section is swirly, deformed (probably soft sediment), brecciated zones common; occasional quartz streaks, masses; pyrite content lower than previous				
				360							

sections; locally silicified sections with diffuse bordered, irregular quartz veins, veinlets, streaks

GETTY MIN. G COMPANY

Hole No. 57-82-1
Property
Location
Project Code
Drilling Co.

Depth 360' - 480'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments

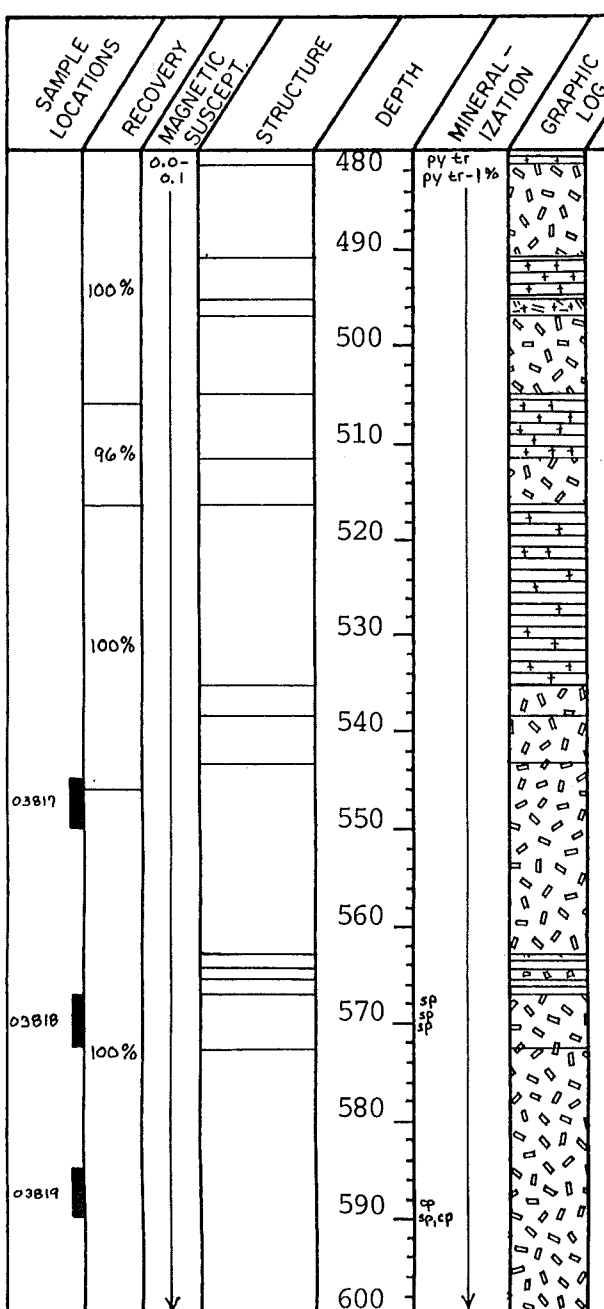
SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERALIZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS Cu	Pb	Zn	Au/Ag
		0.0-0.1		360	py tr erratically dist.			(all in ppm)			
	100%			370			370' Slicks on fracture surface at 20°				
	100%			380							
	97%			390			391' Acid test: -57° corrected				
	100%			400							
				410							
				420			426.8' ¼", ½" quartz veins at 55°, 45°				
03816				430	py tr-1%		427 - 456' Dacite tuff: similar to previous sections; occasional quartz veins, veinlets, streaks	<5	<5	35	<.02/<.2
				440							
				450			455.8' Fragment of tuffaceous shale in dacite porphyry				
	100%			460	py tr		456 - 464' Tuff, tuffaceous shale: similar to 17 - 37.5'				
					py tr-1%		457.8 - 458.5' Zone of dacite porphyry along half of core				
				470	py tr		464' Sharp contact at 45°				
							464 - 470' Dacite porphyry				
							466 - 468' ¼-½" quartz vein at 0 - 15°				
							470' Sharp contact at 45°				
							470 - 481.6' Tuff, tuffaceous shale: similar to 17 - 37.5'				

GETTY MIN 3 COMPANY

Hole No. 57-82-1
Property
Location
Project Code
Drilling Co.

Depth 480' - 600'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION	ASSAYS Cu	Pb	Zn	Au/Ag
	(all in ppm)			
481.6' Sharp contact at 45°				
481.6 - 490.9' Dacite porphyry				
483.6' Tuffaceous shale fragment				
490.9 - 495.4' Tuffaceous shale: similar to 17 - 37.5'				
495.4 - 496.4' Dacite porphyry and tuffaceous shale				
496.4 - 505.4' Dacite porphyry				
500' 0 - ¼" quartz vein at 10°				
502.5' Tuffaceous shale fragments				
503.5' Slicks on fracture surface at 10°				
505.4 - 511.7' Tuff, tuffaceous shale				
511.7 - 516' Dacite porphyry				
513.3 - 514.3' Tuff fragment				
514.5' Slicks on fracture surface at 15°				
516 - 535.7' Tuff, tuffaceous shale: much of section is swirly, brecciated, silicified in places; occasional quartz veins, veinlets, masses, streaks				
535.7' Contact at approximately 65°				
535.7 - 538.2' Dacite porphyry: erratic variations in content of white quartz phenos; quartz veins, veinlets, masses present				
538.2' Sharp but irregular contact				
538.2 - 543.8' Andesite porphyry: similar to dacite porphyry but lacks quartz phenos; occasional quartz veins, veinlets	10	5	35	<.02/<.2
538.7' ½" quartz vein at 40°				
543.2' ½" quartz vein at 57°				
543.8' Gradational contact				
543.8 - 562.7' Dacite porphyry				
544 - 545.5' Irregular quartz-calcite masses and veins common				
547 - 548' Irregular quartz-calcite masses and veins	920	95	405	<.02/<.2
548.5' Slicks on fracture surface at 20°				
552' 2.5" quartz-calcite vein with 20° uphole contact				
559.4' ¼" calcite vein at 45°				
562.7 - 564.3' Tuff, tuffaceous shale: brecciated, swirly; some silicified tuff				
564.3 - 565.9' Andesite porphyry with tuffaceous shale fragments?	155	15	30	<.02/.2
565.9 - 567.1' Tuff and tuffaceous shale fragments in black tuff(?) or shale (?) matrix				

567.1 - 572.5' Andesite porphyry, silicified andesite porphyry with short sections of black, aphanitic shaley(?) matrix(?): matrix is softer than the rest of the section
568' Sphalerite streak in silicified andesite porphyry
569.8' Sphalerite chunk along contact between andesite and black matrix
570' Irregular quartz-calcite vein
570.2' Irregular sphalerite streaks, blebs in andesite porphyry (silicified)
572.5 - 617' Andesite porphyry: occasional quartz streaks, veins, veinlets; occasional zones of strong silicification and increased quartz veining; some fragments of andesite porphyry in matrix of same composition
582' Massive pyrite patch (fragment?) up to 1" wide, 4" long with disseminated chalcopyrite blebs
584' Irregular, rounded to rectangular patches up to 2.5" long of dark grey fine grained tuff(?)
588.5' Chalcopyrite blebs
598 - 603' Zones of dark grey to greenish black, very fine grained to fine grained matrix (?); contacts into this material are sharp to gradational

GETTY MIN 3 COMPANY

Hole No. 57-82-1
Property
Location
Project Code
Drilling Co.

Depth 600' - 720'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS Cu	Pb	Zn	Au/Ag
03830	100%	0.0 - 0.1		600	py tr-1% cp tr		603' Chalcopyrite blebs associated with pyrite 615 - 616' ¼" quartz vein at 0 - 10° 616 - 617' Quartz-calcite vein greater than 2" wide at 0 - 15°? 616' Slicks on fracture surface at 10° 617 - 621.5' Brecciated tuffaceous shale, dark grey to greenish black fine grained matrix, andesite porphyry	440	15	45	<.02/.2
				610				(all in ppm)			
				620	py 1-2%		621.5 - 635.5' Andesite porphyry with occasional white quartz phenos(?); quartz and quartz-calcite veins, veinlets, streaks present throughout 628.5 - 629' Fragments (blocky) of tuffaceous shale in dark grey, very fine grained matrix				
				630			630' Tuffaceous shale surrounded by dark grey very fine grained matrix, upper and lower contacts approximately 35°				
				640	cp cp		635.5 - 641.4' Dacite porphyry 641' Tuffaceous shale 641.4 - 649' Zone of dark grey (N3) to dark greenish grey (5GY,4/1), very fine grained to fine grained, mafic volcanic (some is same as dark grey matrix decribed previously) with downward increasing andesite porphyry fragments with gradational to sharp contacts				
03821	100%			650	py tr-1%			30	15	60	<.02/<.2
				660			646' Acid Test: -52° corrected 649 - 709.9' Andesite porphyry: quartz and quartz-calcite veins present; brecciated zones present; quartz veins, veinlets, streaks have sharp and diffuse contacts, some veins show open space quartz filling				
				670	cp		650 - 659.2' Zone of pervasive moderate greenish yellow (10Y,7/4) to dark greenish yellow (10Y,6/6) alteration 662.5 - 709.9' Zone of pervasive moderate greenish yellow to dark greenish yellow alteration				
				680							
03822				690	cp cp tr cp		665' 1" brecciated zone at 30° with slickensided quartz vein on downhole side of zone: greenish yellow fragments in dark greenish grey very fine grained matrix - possible mylonite 672' Chalcopyrite bleb in pyrite mass	1050	10	50	<.02/.4
	100%			700	cp cp		674 - 675' Angular to subrounded greenish yellow andesite porphyry fragments in white quartz matrix; mineralization is mostly in fragments but traces of disseminated pyrite are present in quartz; lower and upper contacts about 35°				
				710	cp						
	99%			720	cp?		688.5' Chalcopyrite associated with pyrite				

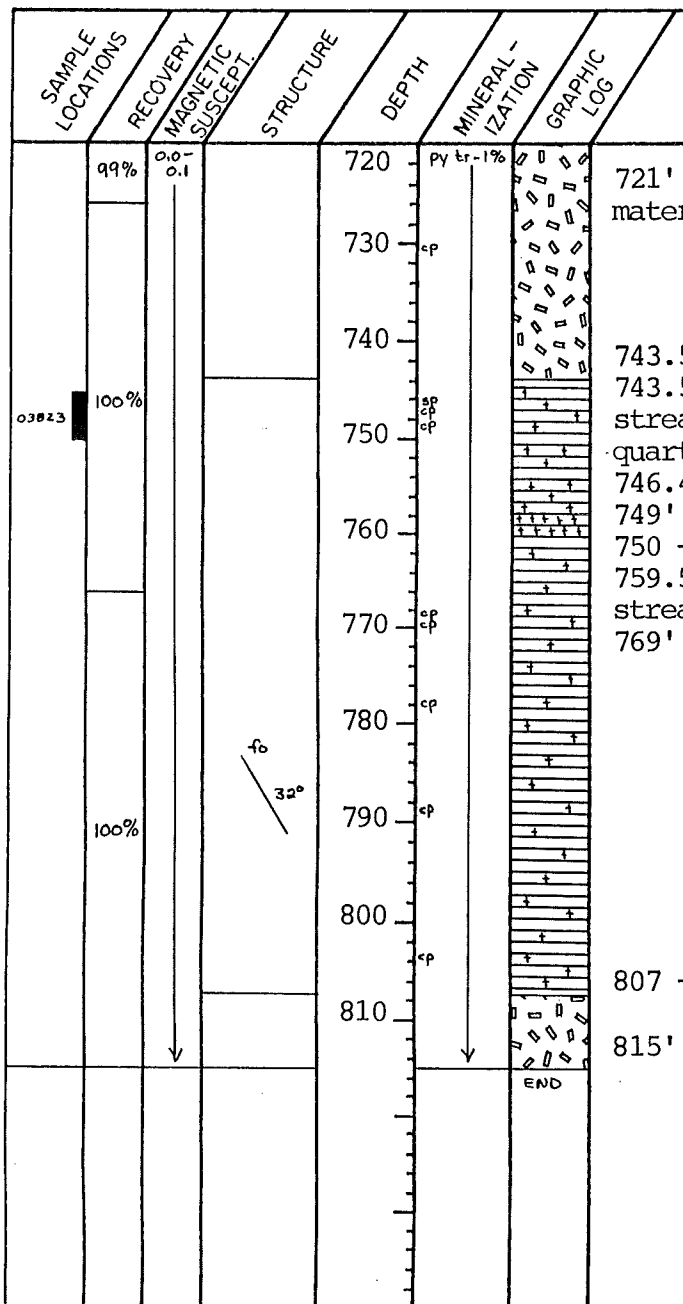
708.5 - 709.9' Gradational transition out of pervasive alteration
709.9 - 743.5' Andesite porphyry: greyish green (5G,5/2 - 10G,4/2) to dusky green (5G,3/2); fine grained, porphyrytic, texture (grain size, phenocryst composition and size) more variable than previous sections; some white quartz phenocrysts present; occasional quartz veins, veinlets

GETTY MIN G COMPANY

Hole No. 57-82-1
Property
Location
Project Code
Drilling Co.

Depth 720' - 815'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION

721' Irregular zones of dark greenish black very fine grained matrix (?) material

743.5' Irregular contact
743.5 - 807' Tuffaceous shale, tuff, shale: similar to 17 - 37.5'; some streaky and brecciated zones probably soft sediment deformation; occasional quartz veins, veinlets, streaks
746.4' Red sphalerite bleb
749' Chalcopyrite masses and streaks
750 - 755' Tuffaceous shale
759.5 - 761' Silicified fine grained tuff with diffuse bordered quartz streaks and veins
769' Chalcopyrite masses, streaks

807 - 814' Andesite porphyry: similar to 709.9 - 743.5'

815' Bottom of Hole

ASSAYS			
Cu	Pb	Zn	Au / Ag
(all in ppm)			
03823 4700	25	60	<.02 / 4.7

GETTY MIN G COMPANY

Hole No. 57-83-2
Property 1511.1, 1506.1, 1509.1
Location 123.9N, 289.75E
Project Code
Drilling Co. Kennebec

Depth 0 - 120'
Elevation
Azimuth, Dip 270°, 60°
Drilling Date

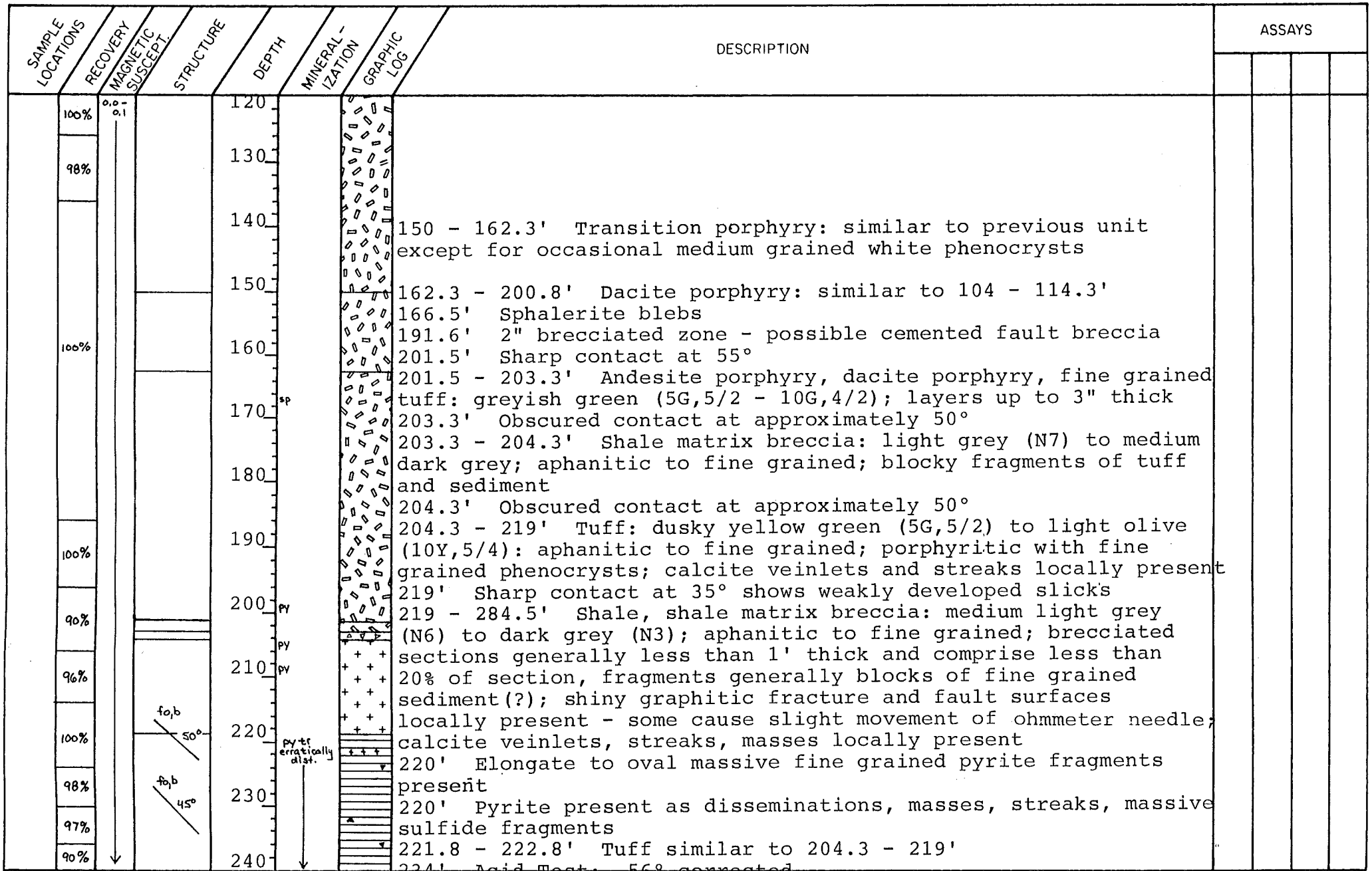
Collared
Logged By D.Doughty, R.Peale
Date
Comments

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS Cu	Pb	Zn	Au/Ag
				0			0 - 36'? Overburden	(all in ppm)			
03801	?	0.0-0.1		40			36 - 104' Andesite porphyry: moderate greenish yellow (10Y,7/4) to dark greenish yellow (10Y,6/6) and greyish green (5G,5/2); aphanitic, porphyritic; fine grained mafic phenos (7%), fine grained to medium grained pale greenish yellow to dark greenish yellow phenocrysts (feldspar?) (10%); structureless, massive; carbonate (weak fizz unless scratched) veins, veinlets, streaks locally common; occasional white medium grained quartz(?) phenos; quartz veins present locally	<5	20	65	<.02/<.2
03802	79%			50	py tr erratically dist.			<5	<5	30	<.02/<.2
03803				60			36 - 60' FeO stained fractures and selvages common 36 - 70' Greenish yellow altered(?) zone 47 - 56' Masses of very fine grained bluish mineral in trace amounts, also disseminated pyrite cubes and blebs 54' Masses and streaks of very fine grained bluish mineral 58' 2" brecciated, sheared zone; possible cemented fault breccia at approximately 60° 66.5' Faulted quartz vein at 20° 70 - 77' Gradational color change from greenish yellow to greyish green	<5	10	45	<.02/<.2
	100%			80							
				90	sp		77 - 104' Greyish green colored zone 93' Red sphalerite mass 104' Gradational Contact				
				100							
				110	sp		104 - 114.3' Dacite porphyry: similar to previous unit except for up to 25% medium grained, white phenocrysts and no greenish yellow alteration 107.5' Sphalerite bleb				
	100%			120	sp?		114.3 - 150' Andesite porphyry: greyish green (5G,5/2); similar to 36 - 104'				

Hole No. 57-83-2
Property
Location
Project Code
Drilling Co.

Depth 120' - 240'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



150 - 162.3' Transition porphyry: similar to previous unit except for occasional medium grained white phenocrysts

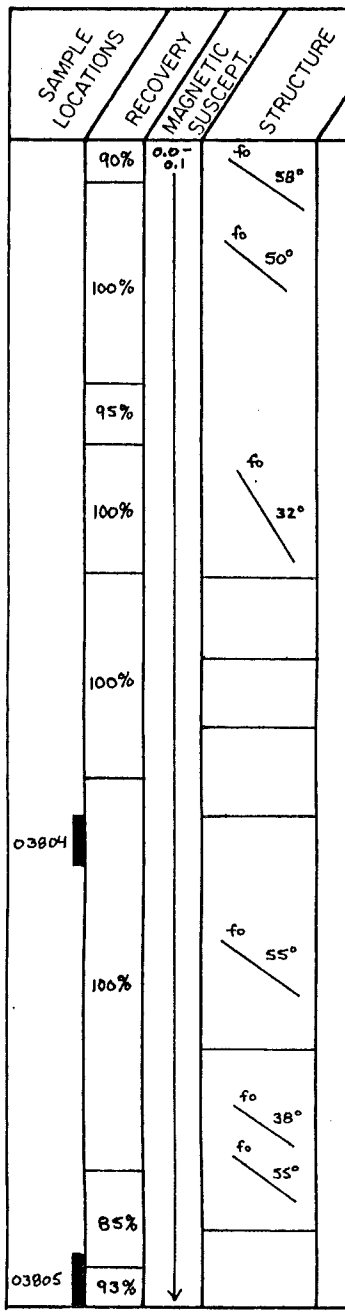
162.3 - 200.8' Dacite porphyry: similar to 104 - 114.3'
166.5' Sphalerite blebs
191.6' 2" brecciated zone - possible cemented fault breccia
201.5' Sharp contact at 55°
201.5 - 203.3' Andesite porphyry, dacite porphyry, fine grained tuff: greyish green (5G,5/2 - 10G,4/2); layers up to 3" thick
203.3' Obscured contact at approximately 50°
203.3 - 204.3' Shale matrix breccia: light grey (N7) to medium dark grey; aphanitic to fine grained; blocky fragments of tuff and sediment
204.3' Obscured contact at approximately 50°
204.3 - 219' Tuff: dusky yellow green (5G,5/2) to light olive (10Y,5/4): aphanitic to fine grained; porphyritic with fine grained phenocrysts; calcite veinlets and streaks locally present
219' Sharp contact at 35° shows weakly developed slicks
219 - 284.5' Shale, shale matrix breccia: medium light grey (N6) to dark grey (N3); aphanitic to fine grained; brecciated sections generally less than 1' thick and comprise less than 20% of section, fragments generally blocks of fine grained sediment(?); shiny graphitic fracture and fault surfaces locally present - some cause slight movement of ohmmeter needle; calcite veinlets, streaks, masses locally present
220' Elongate to oval massive fine grained pyrite fragments present
220' Pyrite present as disseminations, masses, streaks, massive sulfide fragments
221.8 - 222.8' Tuff similar to 204.3 - 219'
234' Acid Test: 56° corrected

GETTY MIN G COMPANY

Hole No. 57-83-2
Property
Location
Project Code
Drilling Co.

Depth 240' - 360'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION

247' 1" quartz-calcite vein at 50°
264 - 274' Broken and rubble zones present; graphitic fracture and fault surfaces present
269.2' Fault at 50° with slicks and breccia
283 - 284' Brecciated but mostly competent zone; graphite common; noticable movement of ohmmeter needle at several locations within this zone
284.5' Sharp contact at 60°
284.5 - 293.6' Dacite, andesite, breccia; dark greenish grey (5G,4/1) to greyish green (10G,4/2); aphanitic to fine grained; some porphyritic zones; fragments of sediment and tuff in andesitic to dacitic matrix
285, 286.5' Chalcopyrite masses and streaks
293.6 - 300.5' Dacite porphyry
298.6' Chalcopyrite masses in irregular quartz-chlorite-pyrite vein
300.5 - 309.6' Volcanic or laharic(?) breccia: pale green (10G,6/2) to greyish green (5G,5/2 - 10G,4/2); very fine grained to fine grained; blocky to elongate (but not very flattened appearing) volcanic and sedimentary fragments, includes probable pumice fragments; matrix and fragment composition are variable; slight alignment of fragments in places
302.5' Sphalerite streaks associated with pyrite streaks and masses
309.6 - 333.7' Andesite grading to dacite porphyry
316' Acid Test: -56° corrected
337.7' Sharp but irregular contact
337.7 - 352.2' Shale and sedimentary breccia, some volcanic fragments and matrix: greyish green (10GY,5/2) to pale olive (10Y,6/2) and medium grey (N5) to dark grey (N3); aphanitic to fine grained; some sections (igneous appearing) are harder than knife
352.2' Contact about 70° but could be a fragment
352.2 - 394.2' Dacite porphyry with short sections (less than 1') of andesite porphyry

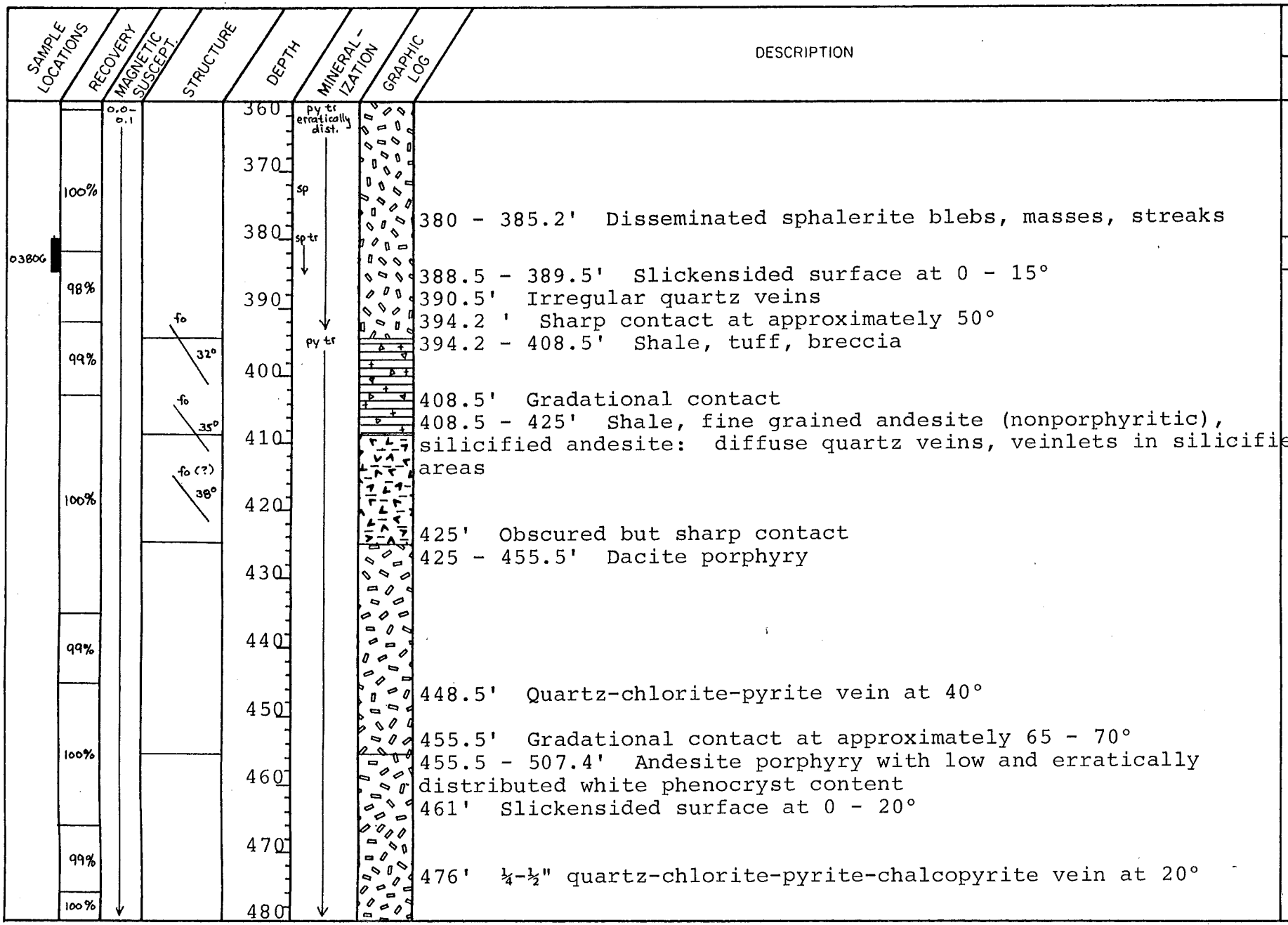
ASSAYS	Cu	Pb	Zn	Au/Ag
	(all in ppm)			
03804	220	50	600	<.02/.4
03805	115	800	1250	<.02/1.1

GETTY MIN G COMPANY

Hole No. 57-83-2
Property
Location
Project Code
Drilling Co.

Depth 360' - 480'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments

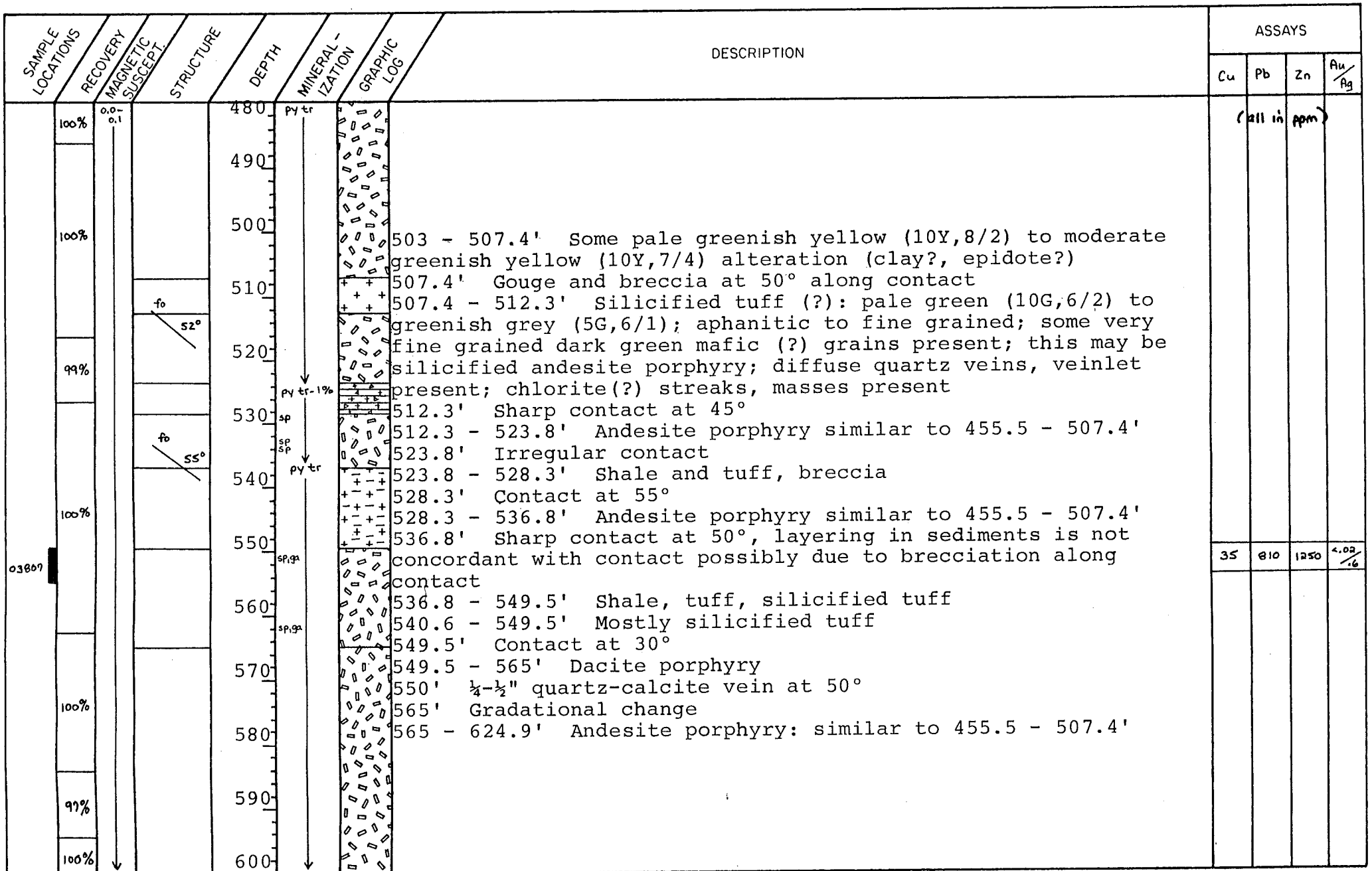


GETTY MIN G COMPANY

Hole No. 57-83-2
Property
Location
Project Code
Drilling Co.

Depth 480' - 600'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



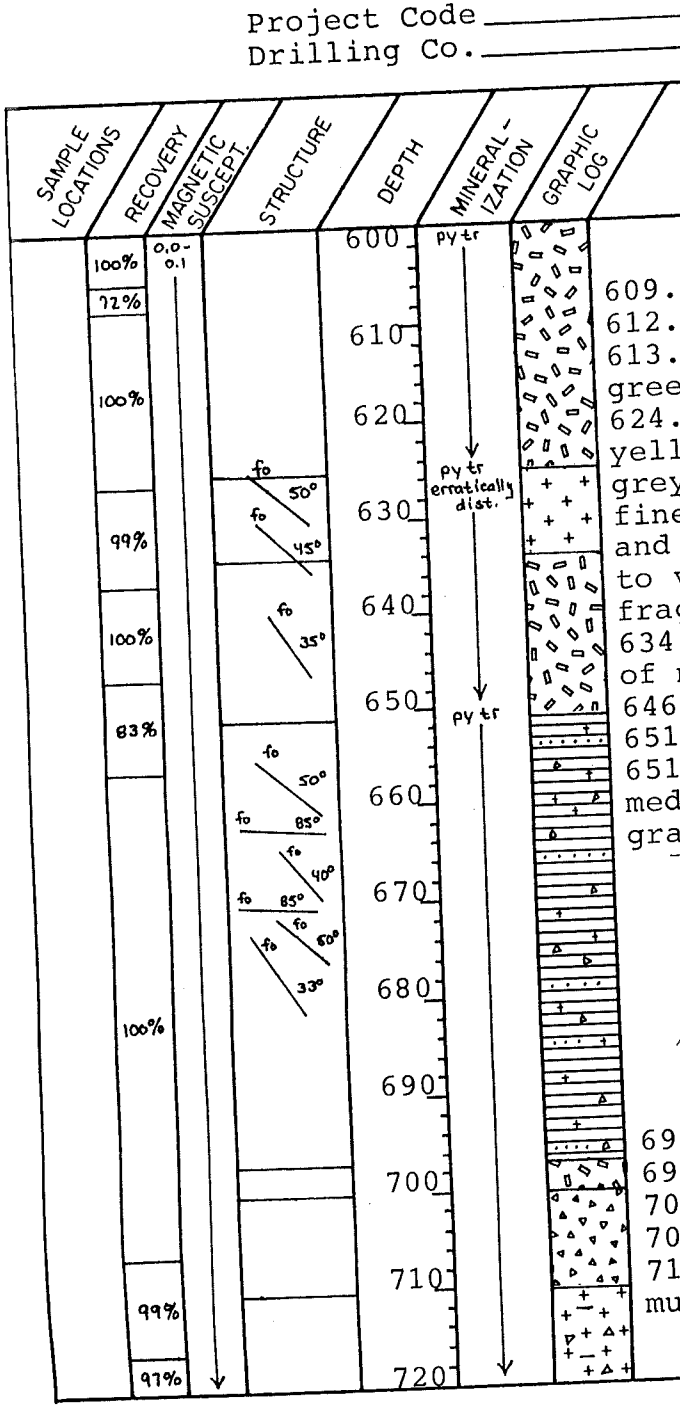
503 - 507.4' Some pale greenish yellow (10Y,8/2) to moderate greenish yellow (10Y,7/4) alteration (clay?, epidote?)
507.4' Gouge and breccia at 50° along contact
507.4 - 512.3' Silicified tuff (?): pale green (10G,6/2) to greenish grey (5G,6/1); aphanitic to fine grained; some very fine grained dark green mafic (?) grains present; this may be silicified andesite porphyry; diffuse quartz veins, veinlet present; chlorite(?) streaks, masses present
512.3' Sharp contact at 45°
512.3 - 523.8' Andesite porphyry similar to 455.5 - 507.4'
523.8' Irregular contact
523.8 - 528.3' Shale and tuff, breccia
528.3' Contact at 55°
528.3 - 536.8' Andesite porphyry similar to 455.5 - 507.4'
536.8' Sharp contact at 50°, layering in sediments is not concordant with contact possibly due to brecciation along contact
536.8 - 549.5' Shale, tuff, silicified tuff
540.6 - 549.5' Mostly silicified tuff
549.5' Contact at 30°
549.5 - 565' Dacite porphyry
550' ¼-½" quartz-calcite vein at 50°
565' Gradational change
565 - 624.9' Andesite porphyry: similar to 455.5 - 507.4'

GETTY MIN G COMPANY

Hole No. 57-83-2
Property
Location
Project Code
Drilling Co.

Depth 600' - 720'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION

609.5 - 611' Dacite porphyry
612.8 - 624.9' Dacite porphyry
613.8 - 624.9' Brecciation and pervasive moderate to dark greenish yellow alteration
624.9 - 634' Tuff, silicified tuff, possible shale: dusky yellow green (5GY,5/2) to moderate olive brown (5Y,4/4) to greyish olive (10Y,4/2) and dark grey (N3); aphanitic to very fine grained to fine grained; most of section is angular crystals and angular to subrounded volcanic fragments in an aphanitic to very fine grained matrix; silicified zones appear to be fragments
634 - 651' Dacite porphyry with fragments and possible layers of material similar to previous section
646' Acid Test: -51° corrected
651' Contact uncertain
651 - 697.3' Shale, sandstone, shale matrix breccia, tuff?: medium light grey (N6) to dark grey (N3); aphanitic to fine grained; some laminated shale - sandstone(?)

697.3' Sharp contact at 45°
697.3 - 700' Dacite porphyry
700' Contact obscured
700 - 710.1' Volcanic breccia: same as 300.5 - 309.6'
710.1 - 739.6' Mafic tuff (?), silicified tuff, shale, mudstone, breccia

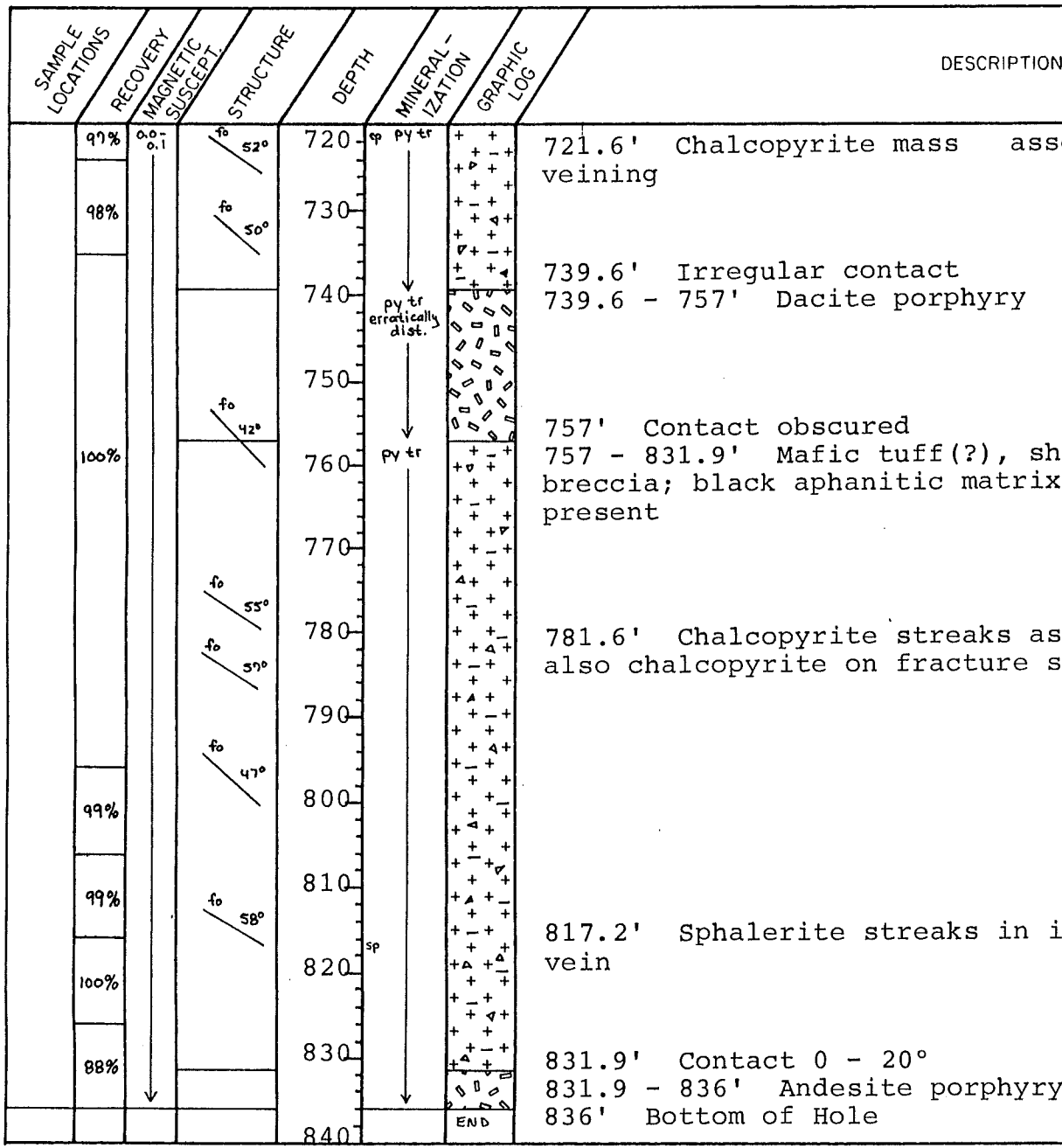
ASSAYS

GETTY MIN G COMPANY

Hole No. 57-83-2
Property
Location
Project Code
Drilling Co.

Depth 720' - 836'
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION

721.6' Chalcopyrite mass associated with irregualr quartz veining

739.6' Irregular contact
739.6 - 757' Dacite porphyry

757' Contact obscured
757 - 831.9' Mafic tuff(?), shale, mudstone, silicified tuff, breccia; black aphanitic matrix patches and streaks locally present

781.6' Chalcopyrite streaks associated with quartz streaks; also chalcopyrite on fracture surface

817.2' Sphalerite streaks in irregular quartz-pyrite-chlorite vein

831.9' Contact 0 - 20°
831.9 - 836' Andesite porphyry
836' Bottom of Hole

ASSAYS

HOLE NUMBER: 57-83-2

LAB: SKYLINE
METHOD: AA

LAB: SKYLINE
METHOD: AA

LAB: SKYLINE
METHOD: WET CHEMISTRY

Sample #	FROM	TO	INT.	Cu(ppm)	Pb(ppm)	Zn(ppm)	Au(ppm)	Ag(ppm)	Cu%	Pb%	Zn%
03801	40'	45'	5'	<5.	20.	65.	<.02	<.2			
03802	50'	55'	5'	<5.	<5.	30.	<.02	<.2			
03803	65'	70'	5'	<5.	10.	45.	<.02	<.2			
03804	309.6'	314.6'	5'	220.	50.	600.	<.02	.4			
03805	355'	360'	5'	115.	800.	1250.	<.02	1.1			
03806	380'	385'	5'	20.	175.	1100.	<.02	.2			
03807	549.5'	554.5'	5'	35.	810.	1250.	<.02	.6			

GETTY MIN G COMPANY

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Hole No. 57-83-3
Property 1511.1, 1506.1, 1509.1
Location 10'N of 124N, 45' W of TL
Project Code
Drilling Co. Kennebec

Depth 0 - 120'
Elevation
Azimuth, Dip N 45°W, -60°
Drilling Date

Collared
Logged By Jim Telford
Date
Comments

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS
				0			0-31' Overburden	
				10				
				20				
				30			31 - 35' Tuff, fragmental, blackish-grey, chlorite and pyrite on cleavage plane.	
	100%	0.0-0.1	c 40°	40	py		35' - 51' Tuffaceous conglomerate with intercalated lithic tuff units, pebbles in conglomerate are well rounded, well sorted indicating reworking, tuff units have sharp contacts with conglomerates, scattered pyrite dissemination. Minor quartz - calcite fractures, more tuffaceous at bottom. Generally grey black - black grey. Pebbles are pyroclastics and flow rocks, abundant black shale fragments; pebbles flattened in the plane of foliation	
		0.1-0.2		50	py			
		0.3-0.5	So,c 43°					
		0.2		60			51.0 - 51.5' Ash fall tuff, medium blue grey, fine grained, laminated	
	95%	0.0-0.1	So,c 80°	70			51.5 - 63.5' Conglomerate tuff, more tuff than above but has rounded pebbles of tuff and flow rocks, black grey to grey black, pyrite disseminations common with minor lenses, minor calcite-quartz veining, abundant black shale fragments, pebbles flattened in plane of foliation, well laminated (F₀ ?)	
				80				
	100%	0.2	So,c 33°	90			63.5' - 80' transition zone - Black shale with intercalated tuff units (1"-3"), pyrite abundant; concordant calcite lamination common.	
				100			80' - 120' Black shale - Thin bedded with soft sediment deformation, concordant calcite lamination common, pyrite ubiquitous as concordant laminations and disseminations.	
	75%	0.0-0.1	So,c 30°	110			102 - 107' slumped	
	100%			120			120 - 122' slumped	

Hole No. 57-83-3
Property
Location
Project Code
Drilling Co.

Depth 120 - 240
Elevation
Azimuth, Dip
Drilling Date

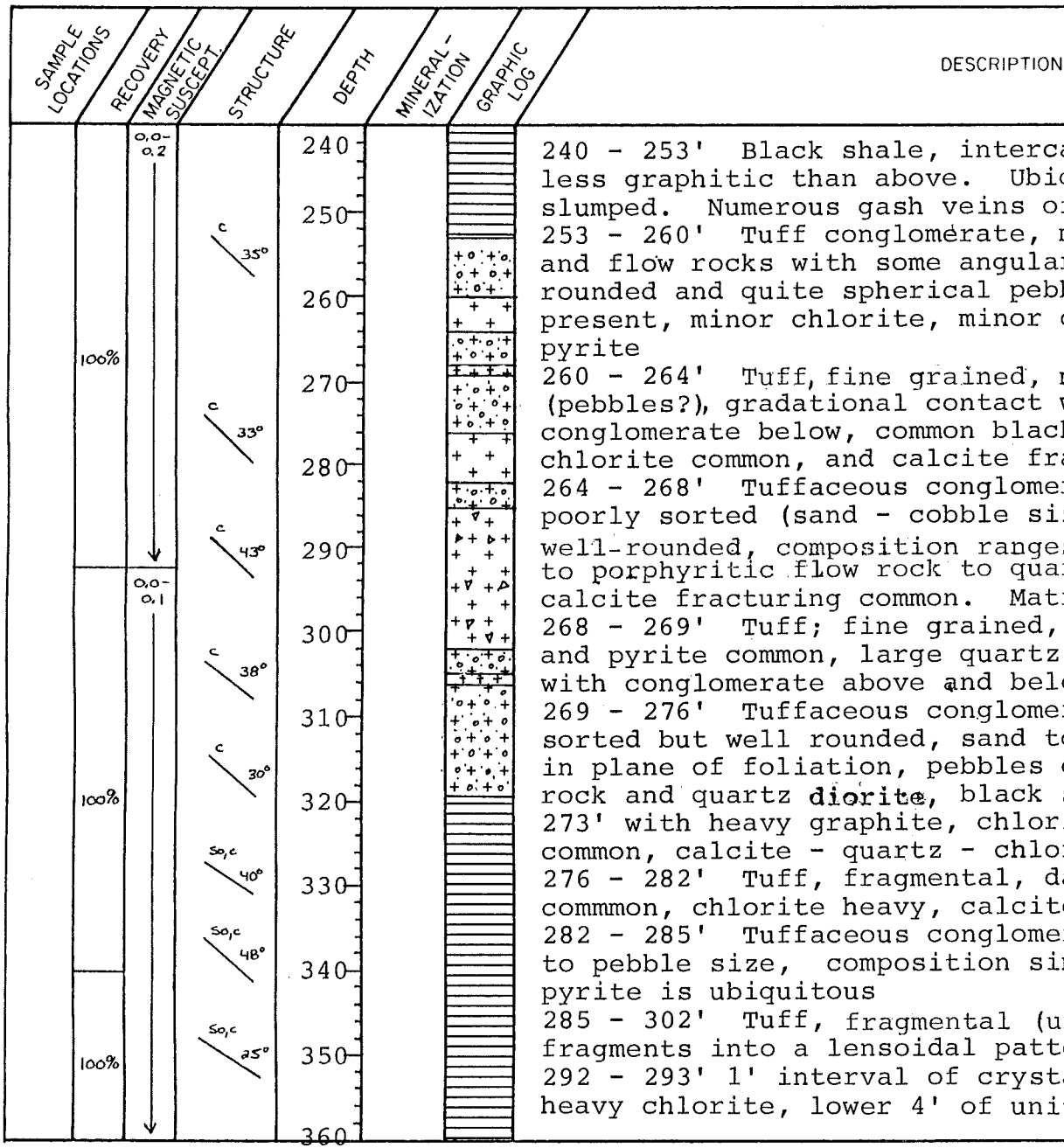
Collared
Logged By
Date
Comments

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS
	100%	0.0 - 0.1	So,c 55°	120			120 - 205' Black shale - heavy graphite, concordant and discordant calcite as knots, laminations, fractures; thin bedded and slumped. Ubiquitous pyrite as lenses, laminations, and disseminations; core recovery poor. Although called black shale, this interval has a significant tuff component, thin tuff laminations (1-3 mm thick) are common.	
	70%			130				
	30%		So,c 30°	140				
	80%						147' - 150' Tuffaceous shale (black)	
	80%			150			150 - 156' Slumping and breccia (sedimentary)	
	90%		So,c 30°					
	80%			160				
	100%		So,c 30°	170				
	90%							
	100%			180				
	100%						180 - 181' Sedimentary breccia	
	80%		So,c 35°	190			190 - 205' Heavy Pyrite	
	100%		So,c 30°	200			205 - 240' Continued black shale - graphitic Thin bedded and slumped Ubiquitous pyrite as lenses, laminations and disseminations. Shale has a tuff component (as ash fall?) Concordant and discordant calcite knots, laminations, and fractures (Heavy calcite-quartz- gash veins between 224' - 234')	
	100%		So,c 35°	210				
				220				
			So,c 40°	230				
				240				

Hole No. ~~57-83-3~~
Property
Location
Project Code
Drilling Co.

Depth 240 - 360
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments



DESCRIPTION

240 - 253' Black shale, intercalated tuff unit in lower 10', less graphitic than above. Ubiquitous pyrite, thin bedded and slumped. Numerous gash veins of calcite - quartz

253 - 260' Tuff conglomerate, medium grey, pebbles are tuffs and flow rocks with some angular shale fragments, some well rounded and quite spherical pebbles of quartz diorite are present, minor chlorite, minor calcite fractures, disseminated pyrite

260 - 264' Tuff, fine grained, medium grey - rare lithics (pebbles?), gradational contact with conglomerate above and conglomerate below, common black shale bed in lower half, chlorite common, and calcite fractures, ubiguitous pyrite

264 - 268' Tuffaceous conglomerate, medium to dark gray, poorly sorted (sand - cobble size), well-rounded, composition ranges from shale fragments to tuff to porphyritic flow rock to quartz diorite, pyrite is ubiquitous, calcite fracturing common. Matrix is tuff.

268 - 269' Tuff; fine grained, medium to dark gray, chlorite and pyrite common, large quartz diorite cobble present, gradational with conglomerate above and below.

269 - 276' Tuffaceous conglomerate, medium to dark grey, poorly sorted but well rounded, sand to pebble size, some flattening in plane of foliation, pebbles composed of shale, tuff, flow rock and quartz diorite, black shale lenses/beds from 272 - 273' with heavy graphite, chlorite and pyrite dissemination common, calcite - quartz - chlorite masses (veins ?) common

276 - 282' Tuff, fragmental, dark grey to grey black, pyrite commmon, chlorite heavy, calcite veining common

282 - 285' Tuffaceous conglomerate, medium to dark grey, sand to pebble size, composition similar to overlying conglomerate, pyrite is ubiquitous

285 - 302' Tuff, fragmental (uneven distribution of lithic fragments into a lensoidal pattern),

292 - 293' 1' interval of crystal tuff, dark grey to grey black, heavy chlorite, lower 4' of unit is heavily fractured with quartz-

ASSAYS

calcite fill ± chlorite ± epidote, well foliated,
302 - 304.5 Tuffaceous conglomerate, similar to overlying conglomerate
304.5 - 306' Tuff, fine grained, medium grey to grey black, pyrite and chlorite on cleavage planes
306 - 319' Tuffaceous conglomerate, poorly sorted (sand to pebble size), well rounded, admixed shale, sharp lower contact,chlorite-pyrite common, pebble composition: tuff, shale, porphyry , calcite (± chlorite ± quartz) filled fracture common, pebbles flattened in plane of foliaton
319 - 338' Black shale, partly graphitic, thin bedded but not as fissil as black shale higher in the hole.
Pyrite ubiquitous as disseminations, lenses and laminations, calcite present as concordant laminations (in some cases contorted with soft sediment deformation) and as cross cutting fractures.
338 - 360' Continuous black shale - same as above. Some pyrite laminations distorted as the black shale deformed as a soft sediment and pyrite-calcite laminations slumped.

GETTY MINI COMPANY

Hole No. 57-83-3
Property
Location
Project Code
Drilling Co.

Depth 360 - 436
Elevation
Azimuth, Dip
Drilling Date

Collared
Logged By
Date
Comments

SAMPLE LOCATIONS	RECOVERY	MAGNETIC SUSCEPT.	STRUCTURE	DEPTH	MINERAL-IZATION	GRAPHIC LOG	DESCRIPTION	ASSAYS
		0.0-0.1	So,c 38°	360			360 - 436' Continuous black, graphitic shale, same as above. Minor shear at 365' 360 - tetrahedrite, lots of slumping	
			So,c 28°	370				
				380			380 - 420' Black shale takes on a stronger tuff component	
				390				
	100%		So,c 20°	400			400 - 436' Marked decrease in calcite veining and laminations, pyrite ubiquitous throughout	
				410				
			So,c 35°	420				
				430				
						END	436' Bottom of hole	

294' Acid Test - 54° corrected
436' Acid Test - 52° corrected