

DIAMOND DRILL LOG

HOLE No. 87-W32

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	
From	To					From	To		
111'	116'			RHYOLITE - FELDSPAR PORPHYRY Light pinkish brown, porphyritic with 5% 1mm plag phenocrysts in an aphanitic matrix, moderately silicified; 2-5% fractures w/ thin white halo around + limonite + carb infilling fractures; variable fracture orientation. Trace py. Mostly broken core, contact broken					
116'	125'			MEDIUM GRAINED QUARTZ MONZONITE					
118.5	131	90	.35	As 80'6" - 111' but 50% of core is limonitically bleached & more stringy, limonitized fractures. Lower contact limonitically altered & fine grained irregular 55-63° to C.A. 112'-112'6" Qtz vein tension dash infilling with 20% chlorite trace py.					
125'	126'			RHYOLITE - FELDSPAR PORPHYRY Brownish grey, with 1-2mm plag phenocrysts in an aphanitic matrix. 5-10% pervasive or fracture filling limonitization. 1% disseminated py					
126'	131'3"			MEDIUM GRAINED QUARTZ MONZONITE As 80'6" to 111'. Contact with unit above & below broken. - 127'-127'3" 2-3mm quartz-chlorite vein 25-30° to C.A. w/ 5% subhedral py.					

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Au (oz/t)	Ag (oz/t)
From	To					From	To			
131'3"	140'			RHYOLITE PORPHYRY	8452	136'7"	137'7"	1'	.001	.01
				Pinkish brown to light brown, 1mm euhedral plag. phenocrysts in an aphanitic matrix. 1% py along fractures & trace diss. py. Weak silicification & limonitization. Minor < 1mm qtz w/ 1% euhedral py. Lower contact broken.						
140'	151'2"			MEDIUM GRAINED QUARTZ MONZONITE						
				Greenish gray, with 35% 1-3mm feldspar phenocrysts in a matrix of 1mm qtz. Feldspar + qtz + chlorite. 2% 6 to 10mm chlorite patches. 2-10% limonite bleaching, increasing toward both contacts. Strong carb along fractures. Trace py. & 1% 5mm qtz + chlorite + calcite veins. Lower contact broken.						
151'2"	173'			QUARTZ VEINED RHYOLITE PORPHYRY	8453	151'2"	154'	2' 10"	.001	.03
					8454	154'	156'6"	2' 6"	.001	.04
				Light greenish brown to pinkish brown, but variable w/ 10% 1mm avg. plagioclase phenocrysts. 1-2% qtz veins up to 2mm wide, with a band of silicification & pyritization (vein 5%) surrounding vein. Weak chloritization in places & pervasive weak to moderate or fracture filling limonitization. Minor 1% magnetite (?) in chloritic areas.	8455	156'6"	158'	1' 6"	.004	.05
151	165	100	0.22		8456	158'	163'	5'	.001	.01
					8457	163'	168'	5'	.004	.03
					8458	168'	169'	1'	.011	.04
					8459	169'	173'	4'	.004	.04
165	179	82	0.75	- 157.5' + 168-169 3% galena (molybdenite?) 1% sphalerite, 5% pyrite qtz vein & fracture. Variable orientation 15-30° to C.A. Lower contact irregular, mostly broken core.						

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Au (oz/t)	Ag (oz/t)
From	To					From	To			
173'	176'6"			MEDIUM GRAINED QUARTZ MONZONITE						
				Greenish grey, bleached (by limonite) pinkish brown toward contacts. Moderate to strong chloritization, with 2% 9mm chlorite patches. 3% disseminated biotite (magnetite?). Lower contact 42-47° to C.A.						
176'6"	185'			MIXED QUARTZ MONZONITE + ALT'D RHYOLITE						
179'	200'	95	220	Pinkish brown qtz monzonite + light greenish to pinkish brown rhyolite. Moderate Fe carb, limonitic and/or sericitic alteration. Rhyolite moderately silicified. 2% py in fractures & ≤ 2 mm q.v. toward lower contact, weak carb in fractures	8460	182'6"	185'	2'6"	.001	.01
185'	199'			RHYOLITE PORPHYRY						
				Light pinkish brown turning to light greenish brown toward lower contact or buff light brown where strongly alt'd. 5% ≤ 1 mm auge. plag phenocrysts in an aphanitic matrix. 1% diss py, up to 2% py along fractures &/or q.v. Qtz veinlets comprise 5% of varit are commonly 0.5 to 2mm wide & 25° to C.A. Fractures & q.v. up to 10%ankerite(?) or limonite surrounded by a silicification halo.	8461 8462	191 196	196 199	5' 3'	.001 .001	.03 .03
199'	207'4"			ALT'D MEDIUM GRAINED QUARTZ MONZONITE						
200'	213'	92	0.58	Dark green where strongly chloritized & pink to greenish brown where bleached (by Fe carb or limonite). 2% fractures or qtz veinlets. 1% diss py. Lower	8463	202'4"	207'4"	5'	.001	.01

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Au (oz/t)	Ag (oz/t)
From	To					From	To			
"	"			contact irregular 15°-70° to C.A.						
207'4"	212'			QUARTZ VEINED & ALTERED RHYOLITE PORPHYRY						
				Grades from dark pinkish brown to pinkish brown then brownish white toward lower contact. 5-10% plagioclase phenocrysts varying from <0.5mm to 4mm in an aphanitic matrix. 1-20% qtz veins & veinlets from 1mm to 25mm. Poor (1%) to very well (15%) fractured zones. Fe-carbonate (ankerite), calcite & chlorite accessory (up to 30%) minerals in veins & fractures. 1-2% diss py, up to 5% subhedral to euhedral <1-2mm py & trace gn in veins & fractures. Several sericitic alt'd, fault gouged & argillic alt'd gouge zones						
213	212	92	0.58							
				-207'4" to 213': Chloritized & limonitically bleached coarse (<4mm) porphyry. Few veins, up to 3mm, 25-30° to C.A., weak to mod carb alt. along fractures. 1-2% py.	8464	207'4"	210'	2'8"	.001	.02
					8465	210	213	3'	.001	.02
				-213' - 214': Broken core						
				-213' - 219': Pink to pinkish brown, QFP (?) w/ 3-70%, 1-5mm qtz, of several generations. Sericitized toward base.	8466	213	216	3'	.001	.04
					8467	216	219	3'	.001	.01
				-219' - 221'6": Pinkish dark brown, silicified(?) & fractured qtz-ankerite-chlorite & limonite veins up to 5mm. 5% py in veins, trace gn.	8468	219	221'6"	2'6"	.007	.01
				-221'6" - 223': <25mm qtz vein w/ 15% chlorite, 2-7% ankerite, 10% albite(?) 1-3% <4mm euhedral py, & trace gn	8469	221'6"	223'	1'6"	.335	.11
				-223' - 229': Pale reddish brown, well fractured, w/ small fractures 60-70° to C.A. & larger fractures & veins 10-40° to C.A. 2 or more generations of veins 5mm offset	8470	223'	226'	3'	.006	.03
					8471	226'	229'	3'	.001	.02

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	A _u (oz/ton)	A _g (oz/ton)
From	To					From	To			
				of several gray veins by white qtz carbons. 2% Vns = 1cm, similar composition to above.						
				229' 1' sericitically alt'd band						
				- 229' - 235' 8" : Grades from 6" sericitic(?) schist (shear) at 70-80° to CIA. to	8472	229	230	1'	.001	.02
				pyritic (5%) fractured, silicified & Fe altered	8473	230	231' 6"	1' 6"	.001	.01
				2' band into a pinkish brown silicified porphyry w/ 1% pyr.	8474	231' 6"	235' 8"	4' 2"	.003	.01
				- 235' 8" - 239' 1' : Light brown, well silicified, < 1% py. few fresh plg phen.	8475	235' 8"	239' 1'	3' 4"	.001	.05
				- 239' - 242' : Weak carb + strong argill. altered particularly along fractures. Lower contact irregular @ 40° to CIA, partially chloritized	8476	239'	242'	3'	.001	.01
242'	248' 6"			INTERMEDIATE (ANDESITIC) TUFF (?)	8477	242	248	6'	.001	.03
248'	268'	79	0.80	Dark green, v. fine grained, 2-4% 1-3mm tension fractures filled with calcite ± qtz. Moderately pervasive chloritization w/ chlorite ± limonite or ankerite (?) in veins or fractures.						
248' 6"	268'			INTERMEDIATE (ANDESITIC) VOLCANICS						
				Dark green to green, aphanitic to fine grained (dioritic?) ground mass w/ 20-30% ≤ 2mm augite phenocrysts. Moderately chloritized w/ 4% grading to 2% qtz or qtz + carbonate veins & fracture/tension gash fillings. Slightly foliated at 30°-40° to CIA at depth, w/ veins X cutting foliation.	8478	248' 6"	252'	3' 6"	.001	.01
				- 248' 6" : 4" qtz (± chlorite) bx						
				- 253' 8" : strong carbonatization surrounding 1cm qtz ± carb vein						
				- 254' - 260' : "blotchy" texture light						

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Au (oz/t)	Ag (oz/t)
From	To					From	To			
				green feldspars (?) surrounded by augite (?) & chlorite x'tals; may be partially migmatized?						
				- 262'6" - 263'6" : Limonitically bleached surrounding a 1cm q.v. at 35° to C.A.	8479	262	265	3'	.001	.01
				- 265' : Well foliated & chloritized adjacent to 1cm q.v. at 20° to C.A.						
263'	271'			RHYOLITE PORPHYRY						
263	264	57	0.11	Dark purplish brown; 30% .5-2mm feldspar x'tals commonly altered in centre to sericite. Sericite & limonite along fractures. < 1% py. Blocky & broken, poor recovery.						
271'	280'6"	18	0.03	ALT'D & QUARTZ VEINED ANDESITE					.001	.01
				Dark green for 60% of rx remainder is limonitically bleached. Quartz-calcite veins up to 2.5cm wide w/ largest 11 to 20° to C.A. Very broken, only @ 18% recovery. Strongly carbonatized.	8480	271'	280'6"	9'6"	(Only 18% rec'y)	
280'6"	285'			RHYOLITE PORPHYRY						
				As above; lower contact ^{sharp} @ 60° to C.A.						
285'	285'8"			ALT'D ANDESITE						
				As above; lower contact sharp 80° to C.A.						
284	314	98	0.44							

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Au (oz/t)	Ag (oz/t)
From	To					From	To			
285'3"	313'			FINE GRAINED GRANODIORITE (FELSITE)						
				- 285'3" - 300'6" : Buff pale yellowish green, more reddish for 40% where bleached by limonite, or greenish for 30% where chloritized. 25-30% \leq 5mm mafic minerals in chloritic zones @ 10% in silicified & sericitized parts. Few fresh feldspars 1% \leq 5mm fractures w/ calcite infilling. Trace py.						
				- 300'6" - 310 : N. fine grained, pale-green w/ occasional porphyritic phase. 6" m. gr. hornblende granodiorite at 301'6". Vuggy, zoned - qtz - ankerite(?) - calcite fracture filling, occasional chloritic fracture. Fracture orientation commonly 10-30° to C.D. Trace diss py. & mag, up to 2% py in fractures.	8481	305	310	5'	.001	.03
				- 310 - 313' : Greenish white to greenish grey, some chloritized w/ depth; fine grained. Contact sharp 55-60° to C.A.						
313'	327'8"			ANDESITIC FLOW(?)						
				Dark green to green, moderately foliated at 70-80° to C.A. & moderately chloritized. Occasional (5%) bleaching, carbonatization (pervasive & fracture filling), and qtz veined.						
314	326	90	044	- 317-320 : Limonitically bleached, rubble core w/ poor rec'y						
				- 325'6" - 327'8" : Strongly foliated grading into a vuggy calcite vein then qtz veined unit. Qtz vns up to 25cm wide, white to dark grey. Becomes silicified at base. Foliation adjacent to q.v. 50° to C.A. Bx at 326' & lower contact. Lower contact sharp 70° to C.A.	8482	325'6"	327'8"	2" 2"	.001	.01

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Interval		Rec'y %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	A_0 (oz/t)	A_5 (oz/t)
From	To					From	To			
323' 9"	348' 6"			RHYOLITE (felsite)						
326	348	97	0.14	Bluish light brown, v. fn. grained, 5-15% 1mm feldspar and/or feldspar phenocrysts. Weak sericitization chloritization & limonitic bleaching. 1% ≤ 2mm qtz & py vns. Lower contact sharp 70-75° to C.A.						
348' 6"	359'			INTERMEDIATE (ANDESITIC) VOLCANIC						
348	359	95	0.14	Green to dark green, "blotchy" texture, ≤ 15% hairline to 5mm carbonate vns & / fracture filling w/ occasional q.v. - 348' 6" - 350' : moderately foliated @ 60° to C.A. Lower contact sharp @ 60° to C.A.						
359'	369'			FINE-GRAINED GRANODIORITE (FELSITE) & QUARTZ PORPHYRY						
359	376	98	0.15	Greenish brown to buff brown; v. fn. grained, grades from chloritic altered to limonitically bleached qtz porphyry. 3% 1-2mm phenocrysts in an aphanitic to v. fn. grained matrix ≤ 1% qtz or py vns & fracture fillings. Limonitized along fractures. - 362' 6" & 368' 10" : 8mm bx bands at 65-85° to C.A. Lower contact sharp but irregular 30° to 65° to C.A.						
369'	375' 6"			RHYOLITE (PORPHYRY)						
				Dark purplish grey to greenish brown w/ 10-15% 1-2mm feldspar phenocrysts in an aphanitic matrix - 371' - 373' : moderately sericitized, with 5% ≤ 3mm quartz	8483	371'	373'	2'	.001	.01

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Interval		Recy %	RQD	DESCRIPTION	Sample No.	Interval		Core Width	Au (oz/t)	Ag (oz/t)
From	To					From	To			
				Core very broken.						
378'6"	385'6"			SHEARED INTERMEDIATE (ANDESITIC) VOLCANICS						
376	390	86	0.54	Dark green, sheared & contorted w/ most foliations at 30°-45° to C.A., 2% carbonate + qtz veins & fracture fillings. 2mm qtz at 377'. - 381' - 382' : Buff greenish grey rhyolite (may be silicified andesite?), well fractured w/ chlorite &/or limonite along fractures.	8484	376	378	2'	.001	.02
385'6"	393'			FINE GRAINED GRANODIORITE (FELSITE)						
390	406	94	0.15	Light greenish brown to buff brown, fine grained sub porphyritic to porphyritic - 3% .5 to 2mm chlorite laths or sericitized feldspar. - 389' - 389'6" : Purplish brown porphyritic rhyolite band.						
393'	406'			ALT'D AUGITE ANDESITE						
				Dark green, blotchy & contorted flow banded porphyritic textured, few fresh augite xtls moderate chloritization, 1% qtz &/or carb veins 60-80° to C.A., Lim &/or hem along fractures. Minor epidatization. - 403'6" - 404'6" : Strong carb alt'd, broken core - fault gouge?						
406'				E.O.H.						

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