Diamond Drill Record

015971

COLLAR:	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH			
EAST			
ELEVATION			
LOGGED BY			
DATE LOGGED			
MAP REFERENCE NO.	METHOD:		

COMPANY NAME
PROPERTY NAME
DRILLING CONTRACTOR
ASSAYER
PURPOSE OF HOLE

PAGE ____ OF ____

HOLE NO. 456-75-16
CLAIM NAME
COMMENCED
FINISHED
PROJECT NO.

106

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
0	72		Waste dump and overburden											
72	142		Calc-silicate phyllite; med. yell. gray green, moderately to weakly banded, patchily calcareous, but generally homogeneous, fine to med. ptlinc; chlor-clinozoisite-ep.-$CO_3^=$ bearing calc-silicate bands or "metasomatic" metatrusite S_2 = 70° to c.a. @ 74'; S_2 = 80° to c.a. @ 138'; note this unit should not have a basaltic chemistry but should be checked for phase assemblage and composition; current no marble laminae											
142	174		Calc-silicate phyllite; approx 60% gray to yellow green calc-silicate bands, 35% brown-purplish brown bio phyll and <5% calcitic marble laminae; note general absence of marble laminae in first 2 units											
174	256		Calc-silicate phyllite; 80% dk. gray green thinly banded, heterogeneous, highly calcareous calc-silicate bands, 10% dk. gray brown bio. phyll. bands and 10% laminarly banded calcitic marble folia; interval differs from 72-142 in being very strongly banded & compositionally heterogeneous; S_1 = 90° to ca. @ 184'; S_2 = 70° to c.a. @ 256'											
256	268		Graphitic calc-silicate phyllite; black graph. phyll (70%) w/ interbanded calc-silicate units from 0.05"-6.0" in thickness (30%); 3/4" $CaCO_3$ filled slip surface @ 50° to SW @ 259.5'; broken, slightly gouged core 262-263.5' w/ 1/2" $CaCO_3$-filled fault 60° SW @ 262;											

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PAGE _____ OF _____

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			1' gouge zone in graph. phyll 265-266 @ 70° S65 to c.a. i.e. ∥ to S_2											
268	348		Calc-silicate phyllite; 85% massive, finely xlline, slightly banded,											
			variably calcareous, blue gray green calc-silicate bands w/ 10-15%											
			dk. br. to reddish brown bio phyll bands and < 5% white, calcitic											
			marble laminae; hard to imagine these calc-silicate bands											
			developing "metasomatically", maybe pelite-$CO_2^=$ mixture for protolith;											
			calcareous nature and compositional heterogeneity makes intrusive /											
			extrusive (flow) origin unlikely; could still be tuffaceous material;											
			S_2 = 85° to c.a. @ 300'; S_2 = 85° to c.a. @ 343'; S symmetry F_2 @ 284', 295'											
348	353		Calc-silicate phyllite; approx 75% thinly banded med. yell. green											
			calc-silicate bands, 15% laminarly banded calcitic marble folia and											
			10% dk. br. bio. phyll.; interval thinly & very strongly banded											
353	426.5		Calc-silicate phyllite; as 142-176 w/ more qtz-$CO_2^=$ healed hairline											
			fracturing crosscutting Dr fabric; S_1 = 85° to c.a. @ 399.5'											
426.5	428.5		Graphitic calc-silicate phyllite; as 256-268'											
428.5	464.5		Calc-silicate phyllite; as 142-176, 353-426.5; 1' band bio-musc-											
			andalusite schist 451-452'; S_2 = 80° to c.a. @ 449'											
464.5	473		Fault zone in calc-silicate phyllite; as 142-176, 353-426.5, 428.5-											
			464.5 except brecciated in a gouge matrix; entire interval											
			brecciated and gouged @ ≈ 70° S65 to c.a.; zone ≡ to "graphitic											
			fault on E wall of pit; correlative to Dr thrust on W wall											

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PAGE _____ OF _____

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			of pit i.e. D_1 thrust contact between calc-silicate phyll & schist map unit in pit area, may be related to Taro anticline production as thrust not regional(?) in extent (at least not at base of calc-silicate phyll.); 472-473 is graph. phyll. w/ 1" gauge zone 70°SW @ 473 forming sharp thrust fault contact w/ underlying schist unit; note entire calc-silicate unit perv. S_2 foliated											
473	495		Carbonaceous bio-musc-andalusite schist; med. br. gray, laminally banded, coarsely porphyroblastic bio ≈? musc pelitic schist; upper aluminous member of schist unit; gauge zones prevalent in upper 14' of unit & related to D_1 "graphitic fault; individual gauge zones 474.5-475.5 (70°SW), 475-479 (70°SW), 485-486 (70°SW); perv. S_2; S symmetry F_2 @ 451.5											
495	512		Bio-musc-andalusite schist w/ 40% interlayered "metasomatic" "metatrachite"; non-carbonaceous reddish gray brown pelitic aluminous schist w/ med. dk. gray green "metatrachite" w/ dk. br. bio. phyll diffuse patches & coarse laminae); S_2 = 70° to c.a @ 500'; S symmetry F_2 @ 496											
512	583.75		Carbonaceous bio-musc-andalusite; as 473-495; gauge zone 519-520 50°-60°SW; 6" hb-bio diorite dike, 520.25-520.75, w/ irregr. intrusive contact ≈ 50° SW; hb-bio diorite dike/sill 524-524.75 w/ 60° SW dip; Z symmetry F_2 @ 521'; zone of partially gouged core 564.5-568 core blocky over interval w/ gouge zones crudely folia form (S_2) w/ ≈ 70°SW dip; Z symmetry @ 542.5'; gouge @ 70°SW											

Diamond Drill Record

PAGE _____ OF _____

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			595-596'; Z symmetry 597-598'; Z symmetry @ 616'; symmetry in Ster-											
			minate 621'; 649-S; 661-Z; 663-Z; 674-S; S_2 = 80° @ 551', 70°											
			@ 606', 85° @ 651'											
683.5	689.5		Hb-bio-diorite; med. gray brown (contacts) to light gray (center)											
			porphyritic, finely xline diorite w/ plag + bio phenocrysts											
			@ margins, hb in silicified (hairline stockwork) central portion;											
			contacts 65° SW @ 683.5, 70° SW @ 689.5; prominent schist xenolith											
			(2") @ 685.5'											
689.5	740.25		Carbonaceous bio-musc-andalusite schist; as 473-495, 512-683.75;											
			typical upper aluminous member of schist unit; Z-690.5; F_2 axes ∥											
			S_2 dip 696.5; Z-702-703.5; 716-717 = Z; Z-735; Z-737; S_2 = 80°-85° @											
			697';											
740.25	776.5		Heavily altered bio. diorite sill/dike; lt gray-med. gray, med. xline											
			bio. diorite sill (contacts ≈ foliaform); strong alteration along											
			and around X cutting qtz-calcite pankrite filled, hairline											
			fracture stockwork; alteration results in bio./mafic breakdown											
			resulting in lt. beige gray porphyry (plag. only); this similar											
			to alteration seen in 75-11; contacts 40° SW @ 740.25, 50° SW @											
			776.5											
776.5	832.5		Carbonaceous bio-musc-andalusite schist; as 473-495, 512-683.75,											
			689.5-740.25; S_2 = 75° to c.a. @ 796'; bio-diorite sill 777.25-779';											

Diamond Drill Record

PAGE _____ OF _____

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			786.5-787.5-M; 829.5-S											
832.5	834		Bio diorite; dk. gray brown sill w/ plag & bio phenos; contacts											
			50° SW @ 832.5, 65° SW @ 834											
834	885		Carbonaceous bio-musc-andalusite schist; as 473-495, 510-683.75,											
			689.5-740.25, 776.5-832.5; lower "contact" arbitrary as carbonaceous											
			bio-musc-and. schist grades downhole into bio-musc-and. schist											
			of transition zone as seen in 456-75-12; 834-836-S; 837.5-S;											
			838.75-S; 856-S; 859-860-M; 867-869-Z; 871.5-873-S; 875-885-											
			S_2 = 90° ± to c.a.; S_2 = 80° to c.a. @ 851'											
885	1095		Bio-musc-andalusite schist; med. gray brown, laminarly banded											
			coarsely porphyroblastic, non-carbonaceous bio>musc pelitic schist;											
			this typical "transition zone" lithology as 1333-1528 in 456-75-12;											
			interval distinguished from above carbonaceous unit by more											
			reddish brown biotite, non carbonaceous character; S_2 = 85° @ 895											
			50° @ 942', 80° @ 988, 70° @ 1045.5', 70° @ 1094'; 897-898-Z; 914-S;											
			929-932-M; 936-938-M; 944 F_2 axes ∥ S_2 dip; 945-958-perv. S_2; 958-											
			965-F_2 axes ∥ S_2 dip; 967-S; 973.5-S; 980-S; 988-995-F_2 axes ∥ S_2 dip;											
			1003.5-S; 1004.5-S; 1008-S; 1010-1014-F_2 axes ∥ S_2 dip; 1015-S;											
			1016-1028 F_2 axes ∥ S_2 dip; 1029-S; 1030-S; 1042-S; 1045.5-S; 1060-S;											
			interval 1063-1079 is musc-and. schist assoc. w/ many qtz pods/veins											
			carrying pink andalusite; 1072-1073-Z; 1089-1091-M; 1091-1095 F_2 ∥ S_2 dip											

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PAGE _____ OF _____

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1095	1153		Quartzo-feldspathic bio-musc schist; med. reddish brown, thinly banded to gneissose, and "blotch" bio > musc schist and musc > bio schist; approx half of interval is "bio clots in musc => bio schist typical of lower member of schist map unit; S_2 = 75° to c.a. @ 1100'; S_2 = 65° to c.a. @ 1145'; 1107-S; 1119-S; 1134.5-S, 1136-Z, 1137-S											
1153	1204		Interbanded "metasomatic" metabasites and bio-musc. and. schist; dk green, med. olive, weakly calcareous calc-silicate bands/"metabasite" (70%) and finely porphyritic purplish brown bio ≈ musc. + and. schists; S_2 = 70° to c.a. @ 1198; 1163-S remainder of interval pervasively S_2 foliated											
1204	1207		Quartzo feldspathic bio-musc schist; as 1095-1153; pervasive											
	EOH		S_2 over interval											