Diamond Drill Record

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

COMPANY NAME _____
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DRILLING CONTRACTOR _____
ASSAYER _____
PURPOSE OF HOLE _____

HOLE NO. 1966-56
CLAIM NAME _____
COMMENCED _____
FINISHED _____
PROJECT NO. 019248

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
0	17		Overburden											
17	151		Calc-Sil-Phyllite; interval lost, described as lt. green to med blue-grey in colour, finely to med. xlline, thinly											
			banded, S_2 = 65° to ca @17'-40', S_2 = 65° to c.a. @ 40'-80', S_2 = 60° to cia. @ 80'-120', S_2 = 60° to c.a. @120-151'											
			Fault Gouge @ 77'											
151	161.5		Hb. Diorite; dk grey to black, porphyritic, post D_2, this interval lost, description taken from old log.											
161.5	186.5		Calc-Sil-Phyllite; dk to med. grey, thinly banded, calc-sil & bio-phyll interbands, unit											
			variably carbonaceous and calcareous, interval lost, description taken from old log.											
186.5	198		Calc-Sil-Phyllite; sdo = amounts calc-sil & bio-phyll bands of typical calc-sil-lithology											
198	202		Calc-Sil-Phyllite; calc-sil-bands ≅ 50%-70% of interval, slightly carbonaceous & siliceous (S_2 = 70° to cia. @ 201')											
202	220		Calc-Sil-Phyllite; calc-sill-bands ≅ 15%-20% of interval											
220	232		Calc-Sil-Phyllite; as 198-202											
232	260		Calc-Sil-Phyllite; as 202-220, this unit typical calc-sil-lithology with purplish-brown											
			bio-phyll bands constituting 80%-90% and med olive green diop+ep. bearing bands forming											
			remainder, D_2 transposition complete as no F_2 hinges apparent, S_2 = 65° to ca. @256'											
260	261.5		Calc-Sil-Phyllite; calc-sil bands approx = 80% of interval											
261.5	272		Graphitic-Calc-Sil-Phyllite; dk grey to black graphitic qtz-rich calc-sil-phyll with approx 30%											
			calc-sil bands & 70% graphitic phyllite., graphitic S_2 "glitbreth" give striped-thinly bonded appearance											
			to rock. In siliceous sections, many F_2 hinges preserved, $L_2 = F_2$ is approx line of $S_2 \Sigma$ @ 264' where											
			S_2 = 70° to c.a. @264'											
272	273		Chlor-Clino-Amph-Schist with Relic (?) Plag. Phenocrysts; unit probably meta-volc in											
			origin											

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273	283		Calc-Sil-Phyllite ; ≅ 30°-40° blue-green-grey-chlor-clino-amph-ep bands											
283	294.5		Calc-Sil-Phyllite ; interval ≅ 90°-100° calc-sil-assemblage, vf xline, med grey-green, non-calc/non-mag.											
294.5	313.5		Graphitic-Calc-Sil-Phyllite ; vf xlline., laminarly banded, uniformly carbonaceous, basal portion of calc-sil-phyll-map unit, sub = calc-sil & Carbonaceous Bio-Phyll assemblages S_2 = 70° to c.a. @300'											
313.5	326.5		Porph-Hb-Bio-Diorite ; med grey-green, non-calc/non-mag., post D_2, porphy-dior (bio-plag-Hb-phenocryst)											
326.5	328.5		Chlor-Clino-Amph-Ep-Schist ; base of calc-sil unit showing gradational contact over 2" intrval with underlying schist unit @ 328.5.											
328.5	342.5		Graphitic Bio-Musc-Andul-Schist ; med-dk grey, thinly banded, coarsely porphyroblastic two mica, andul. schist											
342.5	348.5		Interbanded Chlor-Clino-Amph Schist and Biotite Schist ;											
343.5	349		Graphitic Schist with minor Bio-Schist Interbands :											
349	363.5		Slightly-Carbonaceous-Musc-Bio-Schist with minor interbanded bio-musc-andul-schist ; 1" post D_2 leucocratic dyke @ 361.5', S_2 = 70° to c.a. @ 353.5'											
363.5	365		Chlor-Clino-Amph-Schist ; med. grey-green, finely xlline, poorly banded schist, of probable meta-volcanic origin											
365	367		Variably Graphitic Qtz-Bio-Schist ;											
367	373		Clor-Clino-Amph-Schist ; as 363.5 - 365											
373	374.5		Porph-Grey-Brown Diorite Sill/Dyke ; probably post D_2											

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
374.5	459		Musc-Bio-Andal-Schist; med grey brown, coarsely porph, 2 mica schist, with complete D_2 transposition of D_1 fabric, numerous grey qtz. pods, post D_2 but folliform, $S_2 = 75°-80°$ to c.a. @ 401, 2" gouge zone @ 387', gouge zone and blocky core recovery @ 425'-426.5'; $S_2 = 90°$ to c.a. @ 450'					
459	459.25		Brecciated, VF. Xlline Diorite;					
459.25	468.5		Graphitic-Bio-Musc-Andal-Schist; as 328.5'-342.5'					
468.5	474.5		Musc-Bio-Andal-Schist; as 374.5'-459'					
474.5	476.5		Post D_3 Bull Qtz Vein to Pegmatite;					
476.5	484.5		Graphitic-Bio-Musc-Andal-Schist; as 328.5'-342.5' & 459.25'-468.5'					
484.5	502		Musc-Bio-Andal-Schist; as 374.5'-459, $S_2 = 80°$ to c.a. @ 500'					
502	599		Bio-Musc-Andal-Schist & Bio-Musc-Staur-Schist; 1st appearance of staurolite at about 502' chiastolitic staur. developed in discreet andal-free bands, a few occurrences of coexisting staur-and andalusite, possible relict of feroan staurolite breaking down to andalusite, $S_2 = 70°$ to c.a. @ 550'					
599	640		Interbanded Seq of Qtz-Rich Graphitic Schists and Pyritic-Musc-Rich Qtzites; this intervul is down dip equivelent of Faro sulfide horizon, minor pyrite and sphalerite and pyrhotite, up to 30% total sulfides over 1" thick bands, barite suspected in this intervul, but unconfirmed, prominent absense of relict D_1 fabric, would expect considerable preservation of S_1 if this intervul represents megascopic F_2 fold hinge, $S_2 = 80°$ to c.a. @ 602', in graphitic intervuals pyrite may range 2-5%, this intervul as well as 200' schist intervuals on either side should be geochemically profiled to aid in defining possible F_2 hinge, This unit not lithologically symitrical in that top 20' more graphitic and less siliceous than base of intervul, would expect close duplication of lithological				1D4/2A0	

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
599	640	(... cont)	sequence if this interval = F_2 hinge.											
640	939		Muse-Bio-Andal-Schist; med grey-brown, coarsely porph, musc > bio pelitic schist with absence											
			(apparent) of staurolite in phase assemblage, absense of staurolite could suggest: ① absense of bulk comp.											
			replication thru megascopic F_2 hinge. ② different f H_2O during D_1 and D_2 events permitting complete											
			breakdown of staurolite to andalusite within same bulk comp. layer. Zone of broken and blocky core											
			from: 648' → 657', S_2 = 80° to c.a. @ 648', the zone: 648'-657' may represent fault zone, S_2 = 70° to c.a. @ 730'											
			F_2 # (approx) to line of $S_2\Sigma$ @ 712', S_2 = 80° to c.a. @ 712', Gouge Zone of 2" @ 733', Gouge Zone of											
			4" @ 762.5' with 2' breccia healed with qtz-anhedrite (763-765), S_2 = 70° to c.a. @ 750'											
			Gouge Zone: 814'-815', S_2 = 85° to c.a. @ 800', S_2 = 70° to c.a @ 850', S_2 = 80° to c.a. @ 900'											
939	999		Quartzo Feldspathic Bio-Schist; med, coarsely xlline, dk brown biotite schist with thin .1"-.5' quartzo-											
			feldspathic bands, D_2 transposition of D_1 fabric - incomplete, as evidenced by numerous F_2 hinges with											
			only insipiently developed S_2, contact this unit defined by last appearance of andalusite in schist											
			map unit. Noticeable change in biotite to dark brown moderately xlline nature from 870' to 939'											
			ie. contact gradational over 70' interval; S_1 varies from 0° to 45° to c.a. from 946' → 950'											
			this interval presumably F_2 hinge, $S_1 = S_2$ = 80° to c.a. @ 945', S_1 = 0° to c.a. @ 946'											
			$S \cong S_2$ = 60° to c.a. @ 950'. Interval 939-999 appears to structurely underlie aluminous											
			portion of Faro schist map unit and is similar to schists in 1966 D zone drilling											
			This interval also similar to portions of east pit wall. S_2 = 85° to c.a. @ 998'											

Symmetry Analysis

CeCe - 5Cp

300 - 313.5 - perv S_2

CS 313.5 - 326.5 diorite

326.5 - perv S_2

344.5 - Z

345 - 353 - perv S_2

353 - Z

356 - Z

362 - S

365 - S

385-394 - perv S_2

394 - Z

394-406 - perv S_2

Schist 406 - S

411 - S

S 423.5 - indeterminate

431 - S

433 - S

435 - S

437 - S

438 - S

442 - S

446 - S

449.5 - S

451 - S

456 - S

458 - S

463 - F_2 axes ⊥ S_2 dip

469 - S (excellent)

470-510 perv S_2

510 - Z

510-520 - perv S_2

520 - Z

527 - Z

Z 538 Z

539-547 S_2 ≈ horiz

548 - Z

548-559 - perv S_2

559 - S

561 - Z

574 - S

575 - F_2 axes ⊥ S_2 dip

M 576 - M

578-579 - M

S 583 - S

583-603 perv S_2

603.5 - Z

607 - S

607-615 perv S_2

S 615 - S

615 - 644 perv nearly horiz S_2

645 - M

645-664 - perv S_2

664 - S

664-699 perv S_2

699 - Z

699-711 indeterminate / perv S_2

711 - Z

711-720 perv S_2

720 - M

Z 722 - Z

724 - Z

724-729 perv S_2

729 - Z

729-747 perv S_2

747-749 - Z

752 - Z

758 - Z

760 - S

764 - S

767 indeterminate F_2 ⊥ S_2 dip

772.5-773.5 - Z

780 - S

785 - M

786.5 F_2 ⊥ S_2 dip

787.5 - 792 - M

796 - Z

798 - Z

802 - Z

802 - 811 indeterminate

811 - Z

811 - 820 perv S_2

820 - M

824 - Z

824 - 846 perv S_2

846.5 indeterminate horiz S

848 - single hinge

859-860 - M

863 - S

869 - M

871 - Z

877 - Z

878 - 883 horiz S_2

884 - S

888 - S

891-893 - S

893.5 - S

894 - 898 - M

898-908 perv S_2

908 - Z

914 F_2 ⊥ S_2 dip

918 M

919 F_2 ⊥ S_2 dip

921.5 - single hinge

922.5 - 925 - M "

926 - Z

929-931 - M

934 - S (excellent)

934-950 perv S_2

950-952 - M

952 - S

958-959 - M

959-971 perv S_2

971.5 - indeterminate

977 - F_2 axes ⊥ S_2 dip

989 - single lunge
989-999 per Sn