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COLLAR:	HOLE SURVEY		
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HOLE NO. 66-PR1
CLAIM NAME _____
COMMENCED _____
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
0	25	1TA	Overburden					
25	35	1DΦ	Bio-musc-andalusite schist; med-dk. gray brown, non-calc., non magnetic schist					
35	58	1EΦ	Graphitic schist; dk. gray to black, thinly banded, non-calc; non-magnetic, variably graphitic schist w/ minor andalusite bands; py <1% only visible sulfides; interval of rubbly, blocky core; S_2 = 60° to c.a. @ 52.5'; S_1 = 25° to c.a @ 85', S_2 = 40° to c.a. @ 40'					
58	89	1HΦ	Chlorite schist; M. green, banded schist					
89	101.5	1EΦ	Graphitic schist; as 35-58; S_2 = 50° to c.a @ 97'.					
101.5	104	1HΦ	Chlorite schist; as 58-89					
104	169	1ΦF	Smoky quartz feldspar porphyry; probably post-D_2 sill/dike; large w/ prominent smoky qtz phenocrysts and minor plag. phenos; entire interval variably kaolinitized; minor flow(?) banding; contact relations uncertain because of poor core recovery					
169	174	1EΦ(1FΦ)	Interbanded sequence of graphitic and chlorite schists; as 35-58 and 58-89; no structure readings because entire interval rubbly and broken					
174	182	1ΦF	Smoky quartz feldspar porphyry; as 104-169; entire interval rubbly granular/sandy w/ poor recovery					
182	222	1FΦ	Graphitic schist; as 35-58; rubble zone					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS						
				FROM	TO	WIDTH	NO.							
222	275	10F	~~Smoky quartz feldspar porphyry~~; as 106-169 w/ little dissem. plag. phenocrysts											

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HOLE NO. 66-FR-2
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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
0	40		Overburden											
40	119.5	ICD	Quartzo-feldspathic bio-musc-andalusite schist; med gray brown, thinly banded, weakly aluminous, bio > musc. schist c.f. to 1528-2000' in 456-75-12; S_2 = 75° to c.a. @ 52', F_2 ≈ ∥ line of S_2 strike @ 52'; S_2 = 60° to c.a. @ 100'											
119.5	124	IFO	Metabasite; dk green, thinly banded to massive, hb-plag-ep. metabasite/amphibolite											
124	228	ICD	Bio-musc-andalusite schist; med. brownish gray, bio > musc. schist c.f. 40-119.5 except less qtzo-feldspathic; nearly complete D_2 transposition of D_1 fabric; interval 132-196 missing; S_2 = 65° to c.a. @ 130'; S_2 = 75° to c.a. @ 200'; @ 226', S_2 = 70° to c.a. and F_2 ≈ ∥ line of S_2 strike											
228	230	IFO	Metabasite; as 119.5-124											
230	249	ICD	Quartzo-feldspathic bio-musc-andalusite schist; as 40-119.5; D_2 transposition of D_1 fabric incomplete w/ many F_2 hinges preserved.											
249	282	IFO	Biotite metabasite; med-dk. green, thinly banded amphibolite or metabasite w/ alternating hb, bio and plag-rich bands; S_1 = S_2 = 50° to c.a. @ 251'; S_1 = 0-20° to c.a. 271-279 thru F_2 hinge; S_2 = S_1 = 65° to c.a. @ 281.5'											
282	302.5	ICO	Quartzo-feldspathic bio-musc-staur-andalusite schist; c.f. 40-119.5 except for devel. of staur; also D_2 transposition of D_1 fabric in incipient stages only; S_1 = 0-20° to c.a. 288-292' thru F_2 hinges [illegible]											

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			$S_1 = S_2 = 50°$ to c.a. @ 293'					
302.5	381	1FO	Metabasite; as 249-282; $S_2 = 70°$ to c.a. @ 321 where F_2 is ≈ ∥ to line of S_2 strike; S_2 = 85-90° to c.a. @ 366; intervals 329-351 and 366-381 missing					
381	536.5	1DO	Bio-musc-andalusite schist; as 124-228; interval 394-411 missing; gouge zones 411-413, 414-415.5; $S_2 = 85°$ to c.a. @ 422'; $S_2 = 85°$ to c.a @ 450' interval 473-480' missing; $S_2 = 80°$ to c.a. @ 468' where F_2 = ∥ to line of S_2 strike; interval 497-523 missing; $S_2 = 90°$ to c.a. @ 524'					
536.5	540	1FO	Metabasite; as 119.5-124					
540	592	1CD	Bio-musc-andalusite schist; as 124-228 and 381-536.5; $S_2 = 80°$ to c.a. @ 551'; $S_2 = 85°$ to c.a. @ 587, F_2 = 30° to line of S_2 strike @ 587					
592	635	1CO	Bio-musc-staur-gar. schist; med. dk. gray brown, med. xlline, bio > musc pelitic schist w/ 5-20% equigranular brown staur porphs. averaging .05-0.1" across; no andalusite in this interval; S_2 = 90° to c.a. @ 600' and throughout most of interval					
635	637	1EO	Graphitic bio-musc-andalusite schist; dk. brown to black, thinly banded (1-3") bio > musc pelitic schist w/ graphitic "gleitbrett" .05-0.5"					
637	672	1G (1HO)	Marble w/ amphibolite and chlorite schist interbands; white to light gray, med. xlline, variably carbonaceous, calcitic marble w/ lt. to dk. green chlor. schist and amphibolite bands; D_1 fabric completely overprinted by D_2; marble shows very sharp contacts					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
			with over and underlying schists; S_0 = 85° to c.a. @ 653'; interval 655-666 missing					
672	782	ICD	Bio-musc-andalusite schist; as 124-228, 381-586.5, 540-592; S_2 = 80° to c.a. @ 700'; S_2 = 75° to c.a. @ 742'; S_2 = 80° to c.a. @ 772'; D_2 transposition of D_1 fabric nearly complete					
			Note: Hole collared below aluminous member of Fano pelitic schist. Most of section exposed in this hole = to 1528-2000' or 456-75-12					

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HOLE NO. 1966 PR-3
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COMMENCED _____
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PROJECT NO. _____

FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS						
0	37		Overburden											
37	41	ICD	Musc-Bio-Chlor Schist; It tan brown banding, musc > bio schist; [taken from old log... for more											
			complete description (56-62 See) Footage 37'-52' missing!]											
41	52	IHO	Metabasite Interbanded; med to dk green, chlor-clino amph with interbanded brown biotite, qtz											
			stringers [taken from old log... Footage 37'-52', missing. Logger called it a banded green stone (andesite).]											
52	56	ICD	Qtzo-Feldspathic Bio-Musc-Andul Schist; grey-beige with dk brown and rust red bio bands. Unit											
			is thinly to laminarly banded; weakly porphyroblastic, non-calc, weakly pyritiferic << 1% with some											
			rust-yellow weathering/alteration of py. Weakly feldspathic bio ≅ musc schist. Minor qtz. stringers.											
			S_2 = 60° to ca. @ 53'. Upper contact in missing box.											
56	62	ICD	Qtzo-Fspathic-Musc-Bio-Chlor-Andul-Schist; olive green-grey-beige, weakly to thinly banded											
			musc > bio > chlor schist. Finely xlline, variably porphyroblastic, with a few calcite/qtz. stringers											
			very weakly pyritic with rust-yellow weathing. Unit is more interbanded with musc or bio or chlor-rich											
			schist zones. Core is blocky and broken.											
62	130	ICD	Qtzo-Fspathic-Musc-Bio-Andul-Schist; c.f. 52-56, grey-beige with dk brown and rust red bio											
			bands. Unit is thinly banded, moderately porphyroblastic down interval weaker up to p. Feldspathic element											
			moderate thruout. Musc ≥ Bio Schist. Musc to Bio ratio increases downhole. S_2 = 75° to c.a. @ 100'											
			[Note: Footage 108-123 missing. Unit continues thru missing interval according to old log] py << 1%											
130	132	ICD	Qtzo-Fspathic Musc ± Bio Schist; tan beige with grey qtzo-fspathic bands, weakly banded											
		[ICD4]	non-porphyroblastic, pyritiferous ≤ 1%. Musc >> Bio Schist. Resembles White Mica Envelope.											
132	134	ICD	Qtzo-Fspathic Musc-Bio-Andul Schist; as 62-130. Characteristically less porphyroblastic											
		[ICD4]	more pyritiferous (≤ 2%) with bio = musc or slightly > musc											

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
134	135.5	1EO	Graphitic Musc-Bio-Qtz-Schist; grey-black, very thinly banded with qtz + calcite/ankerite stringers					
			of xlline, weakly feldspathic, moderately graphitic; musc ≥ bio schist, pyrite = ≤ 1%					
135.5	148.5	1CD	Qtzo-Fspathic-Musc-Bio-Chlor-Andul Schist; as 56-62. Note: Unit is more interbanded with zones of bio or					
			musc or chlor-rich schists as 56-62. Core is blocky from 144-148.5.					
148.5	154	1HO	Metabasite; lt green-grey chlor-clino-amph with additional musc banding. Unit shows fair banding					
			and is f. xlline. S_2 = 80° to c.a. @ 149.5'. Bull Qtz Vein @ 149.5-150'. Probable partial metavolcanic origin					
154	157.5	1CD	Qtzo-Fspathic-Musc-Bio-Chlor Schist; c.f. 56-62 & 135.5-148.5. Unit lacks andalusite. Remains finely xlline					
			with fair banding					
157.5	191	1CD	Qtzo-Fspathic-Bio-Musc ± Andul Schist; as. 52-56 with bio generally > muscovite. Some very biotitic					
			bands scattered throughout. (4p to 1.5"). Pyrrhtferic ≤ 1%. Musc sub-equal to Bio by end of interval					
			Eight Inch bull qtz vein @ 190-191' with tourmaline present, post D_2. Scrambled core.					
191	193	1HO	Metabasite; as 148.5-154. with moderate qtz veining, minor po ≤ 1% and py ≤ 1%. Pyrrhotite					
			occurs in vertical to c.a. veins cross cutting S_2. Scrambled core. Approaching Schist Lithology					
193	213	1CD	Qtzo-Fspathic-Bio-Musc-Andul Schist; as 52-56, with minor chor. banding (< 1%). Six Inch Bull					
			Qtz veins @ 197 with tourmaline. Other qtz and calcite/ankerite stringers scattered throughout. Extensive					
			yellow-rust pyritic weathering with disseminated py ≅ 1%. Core broken and scrambled.					
			S_2 = 70° to c.a. @ 199'					
213	220	1HO	Metabasite; as 148.5-154 and 191-193; approaching chlor-clino-amph ± bio schist lithology.					
			Free Qtz Bands + Bull Qtz veins @ 213.5' & 217.5' and @ 219.5'. Limited ankerite stringers.					
			Biotite increases downhole. Core broken and scrambled.					
220	248	1CD	Qtzo-Fspathic-Bio-Musc ± Chlor-Andul Schist; as 52-56 and 193-213, when bio is sub-equal to					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
220	248	cont..	musc at the top of the interval and becomes a musc ≥ bio schist @ 230'. Pyrite content drops off to ≪ 1% and surficial rust-yellow weathering is limited. Chlorite element appears only at the top and bottom 3' of interval. Footage 227.5-240 is missing. Old log states qtz-musc-rich-schist @ 230-233. Zone of broken and weathered core @ 244-247. Ankerite stringers and veinlets @ 247'-248.					
248	250.5	1FO(1GO)	Interbanded Chlor-Schist and Marble; very lt. green-grey, thinly banded, pyritiferous (≤ 1%), highly calcareous with some suggestion of clino-amph. S_2 = 50° to c.a. @ 250. 4" bull qtz vein @ 250.5' Footage blocks and numbering maybe ± 3 feet.					
250.5	253	1CD	± Qtz-Fspathic-Musc ≥ Bio Schist: beige-gray, thinly banded nonporphyroblastic, noncalcareous, slightly carbonaceous, weakly pyritiferous (≪1%); strongly weathered with mod. kaolinization.					
253	254	1CD	Qtz-Fspathic-Chlor ± Bio ± Musc Schist; lt grey with green banding, strongly kaolinized in the form of powdery-white speckles. More massive to thinly banded, of sillimite. Bull Qtz veinlet (3") @ 254'					
254	266	1CD [1CD4]	Qtz-Fspar-Musc-Bio-Schist: as 250.5-253, heavily kaolinized with broken core throughout entire interval, qtz/ankerite healed breccia @ 261-262'. Somewhat typical of the white mica envelope lithology with musc > bio schist.					
266	296	1CD	Qtz-Fspathic-Bio-Musc ± Chlor Schist: as 220-248, 52-56 and 193-218. Only trace andal porphs. Some zones of schist where musc ≥ bio, normally bio > musc schist. Chlor-Bio Schist @ 272'-279'. Patchy chloritic zone @ 266.5' with adjacent bull qtz vein (The same @ 284.5' repeats). Minor qtz/ankerite stringers throughout. Six inch weathered out / gouge zone @ 288.5'. Rust red weathering of bio throughout. Chlorite-rich zone @ 292.					
296	302	1CD	Qtz-Fspathic Bio-Chlor ± Musc-Andal Schist; Green to tan beige with red-brown bio bands [illegible]					

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FROM	TO	RECOVY	DESCRIPTION	SAMPLE FROM	SAMPLE TO	SAMPLE WIDTH	SAMPLE NO.	ASSAYS
302	305	ICD	Qtzo-Fspathic Bio-Musc ± Andal Schist ; as 266-296 with noticeable more andal porphs					
			bio > musc schist					
305	330.5	ICD	±Qtzo-Fspathic Musc-Bio ± Andal Schist ; as 56-62 and 154-157.5, Bio heavily altered to rust-					
			red-hematite(?). Andalusite is scarce. 6" qtz-ankerite healed breccia @317'. Unit moderately					
			kaoliniized. Qtz veinlets @314, @323, and @325. Unit similar to Faro white mica-andalope.					
330.5	447	ICD	Qtzo-Fspathic-Bio-Musc (flaser) Andal ± Chlor Schist, as 266-296 and 302-305 ; weakly to moderately porphyroblastic					
			6" qtz vein @336'; 6" chlorite schist @ 352. Bio > Musc Schist except @ 350-354 where bio ≈ musc.					
			Unit weakly kaolinitized. Footage 354-383 missing. [Minor chlor blebs to 382 according to old log]					
			6" post D_2 bull qtz vein @392, @418.5 and @425. Minor chlorite interbands from 426' to EOH.					
			S_2 = 80°-85° to c.a. @349'; S_2 = 70° to c.a. @ 400' and S_2 = 85-90° to c.a. @446'					