
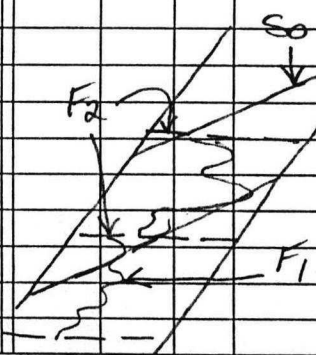


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ANVIL RANGE MINING CORPORATION
STRUCTURAL LOG

DDH # 96MM-03UNITS: Feet MetresDATE: Sept. 21/96LOGGED BY: D. MATTILAPAGE 1 OF 6

FROM	TO	RFE = S ₀ = F ₂					A				B				C				COMMENTS	
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR		
16'	435'																		S ₀ = S ₂ (ASSUMED) DOLOMITIC SEQUENCE SHOWS SIMPLE STRUCTURE RFE = S ₀ = F ₂ (ASSUMED) S ₂ = ~50° To the axis of core at start and fluctuates ± 5-10°. FEW TRACES OF F ₁ . MOSTLY S ₀ AND S ₂ .	
435'	512'						PS ₂	2	50°	276° ←	within ultramafic.									F ₂ visible in ultramafic sequence.
512'	546'				50°	276°	PS ₂	2	50°	276°	DD ₁	1	?	?					 F ₂ cuts off F ₁ , F ₂ = S ₀ angle of dip and dip direction. F ₁ structures dip + dip direction - unable to determine.	
546'	554'				50°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?					 F ₂ (30° to axis) cuts across S ₀ (50° to axis) - both at approx 276° AZM. F ₁ structure too fine and deformed to determine F ₁ dip and dip direction.	

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

DDH # 96MM-03

UNITS: Feet / Metres

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FROM	TO	RFE					A				B				C				COMMENTS	
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR		
554'	582'			2	50°	276°	PS ₂	2	50°	276°										F ₂ steepens, ∴ F ₂ = S ₀ again, F ₁ not visible
582'	615'			2	50°	276°	PS ₂	2	30°	276°	DD ₁	1	?	?						F ₂ @ 30° to core axis) cuts across S ₀ (a 50° to core axis). F ₁ too fine to measure.
615'	627'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?						S ₂ = S ₀ dip + dips direction, F ₁ visible - can't measure.
627'	648'			2	30°	276°	PS ₂	2	55°	276°	DD ₁	1	?	?						F ₂ steepens (55° to core axis) and cuts across S ₀ (30° to core axis) which shallows. F ₁ too fine to measure.
648'	672'			2	30°	276°	PS ₂	2	30°	276°										F ₂ = S ₀
672'	681'			2	40°	276°	PS ₂	2	30°	276°										S ₀ steepens, F ₂ cuts across S ₀
681'	699'			2	55°	276°														F ₂ = S ₀ , F ₂ not visible but assumed.
699'	717'			2	40°	276°														F ₂ = S ₀

ANVIL RANGE MINING CORPORATION

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FROM	TO	RFE = S ₀					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
717'	723'			2	25°	276°	PS ₂	2	25°	276°	DD ₁	1	?	?					Both S ₂ and S ₀ have shallowed, S ₁ is cut off by S ₂
723'	744'			2	40°	276°													Both S ₂ , S ₀ have steepened.
744'	759'			2	35°	276°	PS ₂	2	35°	276°									
759'	780'			2	55°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₀ steepens - cuts off by F ₂ , F ₁ barely visible.
780'	794'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?					S ₂ = S ₀ , F ₁ cut off by F ₂ .
794'	862'			2	20°	276°	PS ₂	2	40°	276°									F ₂ = S ₀ , F ₁ not visible
862'	896'			2	50°	276°													F ₂ = S ₀ , simple structure.
896'	907'			2	35°	276°	PS ₂	2	35°	276°	DD ₁	1	?	?					F ₂ cuts off F ₁ , S ₂ = S ₀
915'	934'			2	50°	276°	PS ₂	2	35°	276°	DD ₁	1	?	?					S ₂ (35° to the core axis) cuts off S ₀ (50° to the core axis) F ₁ barely visible.

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

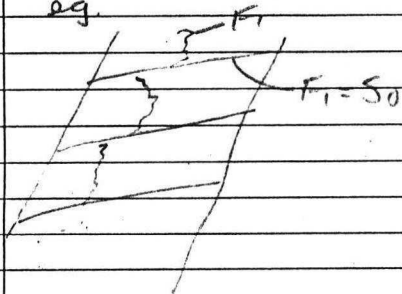
DDH # 96MM-03

UNITS: Feet / Metres

DATE: Sept. 22/96

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FROM	TO	RFE					A				B				C				COMMENTS	
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR		
934'	952'			2	40°	276°														
952'	962'			2	40°	276°	PS ₂	2	40°	276°	DD ₁	1	?	?						S ₂ =S ₀ , F ₂ cuts off F ₁ , eg. 
962'	1016'			2	50°	276°														F ₁ not visible, assumed S ₂ =S ₀ . Sample structure displayed.
1016'	1023'			2	60°	276°													"	"
1023'	1034'			2	40°	276°													"	"
1034'	1086'			2	30°	276°														S ₀ +S ₂ shallow, F ₁ not visible - sample structure.
1086'	1105'			2	50°	276°	PS ₂	2	50°	276°	DD ₁	1	?	?						F ₂ cuts off F ₁ , S ₃ =S ₀

ANVIL RANGE MINING CORPORATION

STRUCTURAL LOG

W

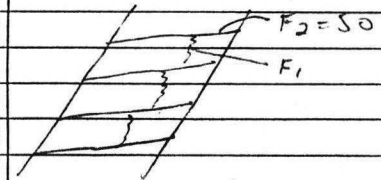
DDH # 96MM-03

UNITS: Feet / Metres

DATE: Sept. 23/96

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FROM	TO	RFE = S0					A				B				C				COMMENTS
		SYM	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	FEATURE	PHASE	DIP	DIR	
1150'	1147'			2	30°	276°													simple structure
1165'	1203'			2	40°	276°													" "
1183'	1220'			2	50°	276°													" "
1220'	12925'			2	35°	276°	PS ₂	2	35°	276°	DD ₁	1	?	3					F ₂ cuts off F ₁ , F ₂ is assumed to = S0 eq.
																			
12925'	1309'			2	40°	276°													simple structure at this point as it enters the next zone - quartzite
1309'	1343'			2	30°	276°													simple structure, F ₁ + F ₂ not visible
1343'	1365'			2	40°	276°													
1365'	1540'																		quartzite zone with simple structure with S0 fluctuating between 40° to 50° to the core axis.

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG

FAULT

DDH#

96MM-03

Units: Feet / Metres

Date: Sept 20/96

Logged By: D.M.

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From To	Recovery Length FEATURE	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
40'-41'	B2R					1		N/Q	fault follows angle of bedding = ~50°
@ 47'	B2R					2		N/Q	no gouge, - broken rubble.
187'-188'	B2R					3		N/Q	fault follows bedding plane (50° = ~40°)
202'-204'	B2R					4		N/Q	fault follows bedding planes = 50°
280'-283'	B2R					5		N/Q	- cuts across bedding planes.
@ 286'	B2R					6		N/Q	" " " "
@ 291'	BR2G					7		N/Q	~ 5mm gouge
246'-247'	B2R					8		N/Q	unable to determine angle with respect to bedding
306'-307'	B2R					9		N/Q	" " " "
312'-330'	BR3G					10		N/Q	~ 25cm of gouge, fault is extensive and highly fractured.
393'-401'	BR3G					11		N/Q	~ 10 cm of gouge, highly fractured.
408'-409'	B2R					12		N/Q	- highly fractured.
434'-435'	BR2G					13		N/Q	~ 5mm gouge, rest broken rubble.

ANVIL RANGE MINING CORPORATION

GEOTECHNICAL LOG FAULT

DDH#

96MM-03

 Units: Feet / Metres

 Date: *Sept. 20/96* Logged By: D.M

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FROM To	Recovery length FEATURE	RQD Length	Hardness	Degree Breakage	Degree Weathering	FRACTURES/JOINTS/PARTING		Core Size	Comments
						Number	Comments		
439-439.5'	B2R					14		N/Q	
448-448.5'	B2R					15		N/Q	<i>highly sheared.</i>
451-452'	B2RG					16		N/Q	<i>~6mm gouge, highly sheared.</i>
467-469'	B2RG/T					17		N/Q	<i>~3mm gouge.</i>
650-658'	B3R					18		N/Q	<i>highly sheared.</i>
@ 665'	B2R					19		N/Q	
684-686'	B3R					20		N/Q	<i>appears highly sheared.</i>
692-695'	B2RG					21		N/Q	<i>~2.5 cm of gouge.</i>
720-722'	B2G/T					22		N/Q	<i>~3 cm of gouge - appears to follow bedding planes @ ~45°</i>
726.5-728'	B2RG					23		N/Q	<i>~2.5 cm of gouge.</i>
@ 744'	B2R					24		N/Q	
824-830'	BR3G					25		N/Q	<i>~1.5 cm of gouge.</i>
842-848'	BR2G					26		N/Q	<i>~2.2 cm. of gouge.</i>
853-854'	BR2T					27		N/Q	