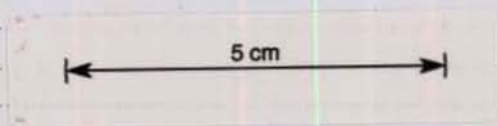


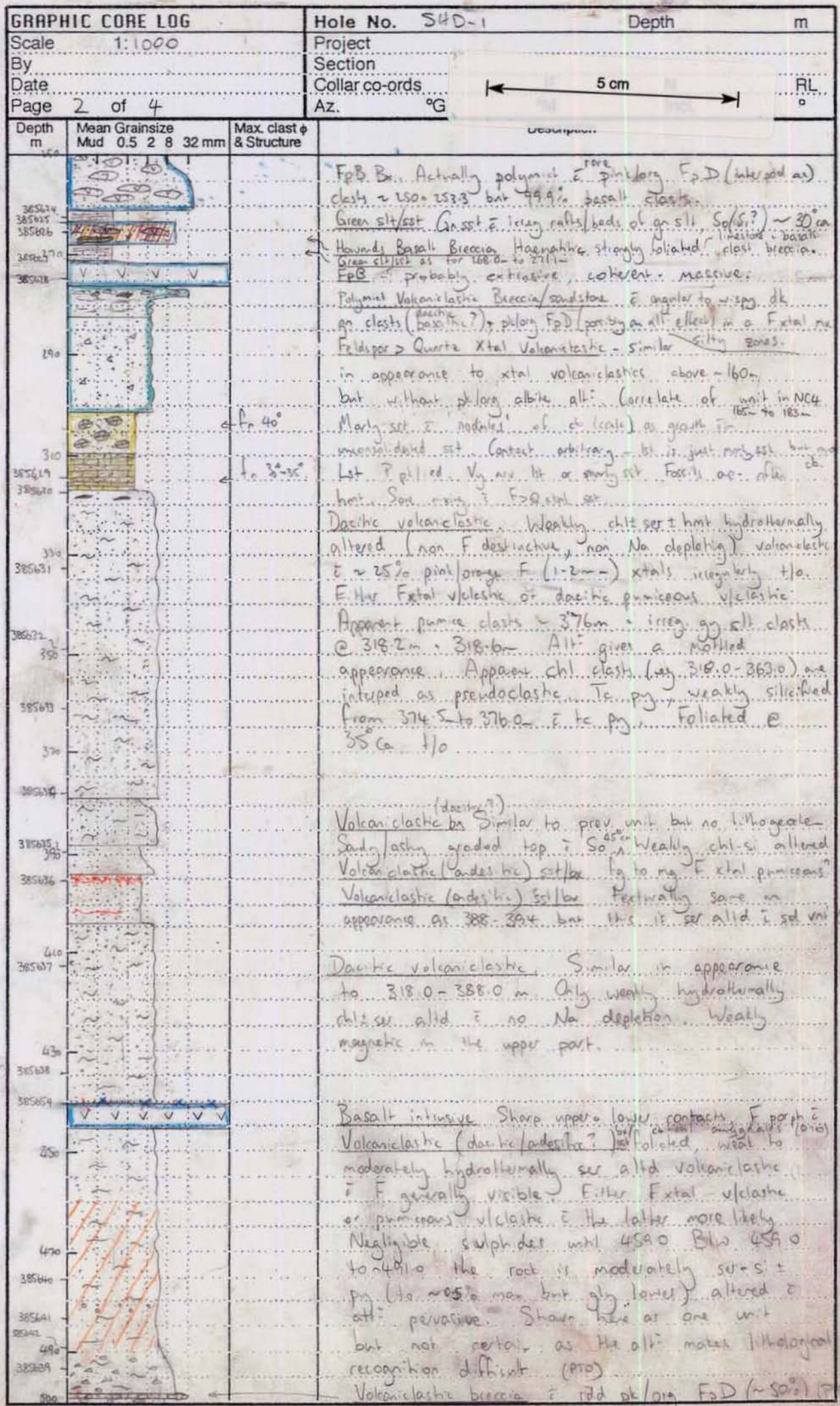
GRAPHIC CORE LOG				Hole No. SHD-1	Depth 779-0 m		
Scale	1:1000			Project	"SOUTH HENTY" EL. 5196		
By	GARY MACDONALD			Section			
Date	Jan. 97			Collar co-ords	E N RL		
Page	1 of 4			Az.	°G °M Incl. °		
Depth m	Mean Grainsize Mud 0.5 2 8 32 mm				Max. clast φ & Structure		Description
30	[Hand-drawn grain size distribution curve]				by (60) 40°		1.5m - 2.0m glacial rubble. Blotchy to banded pt/lgn (alb/wh) altered (non-hydrothermal) F > Q xtal set i det. Mt. Becomes br below ~ 95m i ~ 2 1/2% clasts ~ 1-100µm silt (one i lg. det. mg) ~ rare QFpR.
40	[Hand-drawn grain size distribution curve]				by (60) 45°		
60	[Hand-drawn grain size distribution curve]						
80	[Hand-drawn grain size distribution curve]						
100	[Hand-drawn grain size distribution curve]				Fault 105.0 - 105.2m p 30° - 30° ca		Similar to m. unit but not part of same graded unit so fault must have seen some movement.
120	[Hand-drawn grain size distribution curve]				Fault 105.0 - 105.2m p 30° - 30° ca		DK ggs (only blotchy pt). F > Q xtal set > silt ~ br (clasts) pt/lgn QFpR aphyric thyoic? Det Mt including Mt rich tops to graded silt/slt ~ 163m ~ 5% clasts above ~ 165m becoming > 50% below 165m.
140	[Hand-drawn grain size distribution curve]						
160	[Hand-drawn grain size distribution curve]				So (pt/lgn banding) 50° Mt rich silt So 45° silt So 31°		
180	[Hand-drawn grain size distribution curve]						
200	[Hand-drawn grain size distribution curve]						
220	[Hand-drawn grain size distribution curve]						
240	[Hand-drawn grain size distribution curve]						
260	[Hand-drawn grain size distribution curve]						
280	[Hand-drawn grain size distribution curve]						
300	[Hand-drawn grain size distribution curve]						
320	[Hand-drawn grain size distribution curve]						
340	[Hand-drawn grain size distribution curve]						
360	[Hand-drawn grain size distribution curve]						
380	[Hand-drawn grain size distribution curve]						
400	[Hand-drawn grain size distribution curve]						
420	[Hand-drawn grain size distribution curve]						
440	[Hand-drawn grain size distribution curve]						
460	[Hand-drawn grain size distribution curve]						
480	[Hand-drawn grain size distribution curve]						
500	[Hand-drawn grain size distribution curve]						
520	[Hand-drawn grain size distribution curve]						
540	[Hand-drawn grain size distribution curve]						
560	[Hand-drawn grain size distribution curve]						
580	[Hand-drawn grain size distribution curve]						
600	[Hand-drawn grain size distribution curve]						
620	[Hand-drawn grain size distribution curve]						
640	[Hand-drawn grain size distribution curve]						
660	[Hand-drawn grain size distribution curve]						
680	[Hand-drawn grain size distribution curve]						
700	[Hand-drawn grain size distribution curve]						
720	[Hand-drawn grain size distribution curve]						
740	[Hand-drawn grain size distribution curve]						
760	[Hand-drawn grain size distribution curve]						
780	[Hand-drawn grain size distribution curve]						
800	[Hand-drawn grain size distribution curve]						
820	[Hand-drawn grain size distribution curve]						
840	[Hand-drawn grain size distribution curve]						
860	[Hand-drawn grain size distribution curve]						
880	[Hand-drawn grain size distribution curve]						
900	[Hand-drawn grain size distribution curve]						
920	[Hand-drawn grain size distribution curve]						
940	[Hand-drawn grain size distribution curve]						
960	[Hand-drawn grain size distribution curve]						
980	[Hand-drawn grain size distribution curve]						
1000	[Hand-drawn grain size distribution curve]						

390653



T/E
381
38588
37-4
38562
36-2
38563

390884



39065

GRAPHIC CORE LOG				Hole No. SHD-1	Depth	m
Scale 1:1000				Project		
By				Section		
Date				Collar co-ords		
Page 3 of 4				Az.		
				← 5 cm →		
				RL		
Depth m	Mean Grainsize Mud 0.5 2 8 32 mm	Max. clast φ & Structure	Description			
27.0	385643		Basaltic (?) intrus. Similar in appearance to 2403-4453 but 1/2r size. Volcaniclastic bx as for the basal part of 4453-448. (P-70)			
20.1	385644		Volcaniclastic bx. Graded unit. Top - base bx as for immediately overlying bed. (P)			
13.8	385645		Volcaniclastic pumice(?) bx. Non-descript rock consisting of a sandy (cb altd?) F tlo (~15% of rock) & distrib: suggestive of pumice. The two narrow units of volcanic bx & redd. FpDa ARA type QFpD(R) are interpreted as erosional units. Pumiceous rock contains a sect of clast of m. FpD (?) (Pro)			
14.8	385646		Volcaniclastic pumiceous(?) bx. Rock has a grey colour. In m. Fp & an ARA type Qxtals (Pro)			
22.2	385647		Basaltic dyke. Sharp upper-lower contacts. Leopard spot texture as for (Fk) - cb fill vesicles			
23.1	385648		Volcaniclastic (pumiceous) Fp pumice - dacite composition. (P-70) Volcaniclastic (pumiceous) Fxtals. (P-70) Volcaniclastic (pumiceous) Fxtals. (P-70)			
13.3	385649		Volcaniclastic pumiceous (dacite) bx. Fxtals clearly recognisable to 599.5. Below this the rock has a shaly appearance in part due to delving foliation @ 30 cm but interpreted as part of the same unit. Above 622m the rock is monomitic consisting of pumice (altered). Below this the rock contains occasional rafts of cream/grey ashly silt. Rock is with many sericite altd tlo & n dsd py + to dsd sphalerite downhole.			
13.9	385650					
13.4	385651					
13.5	385652					
14.2	385653					
15.5	385652		Stony sericite-silica - Mn(CO ₃ ?) - sulphide altered volcaniclastic. Yellow green in colour. Primary textures hard to see. Zone ~ 654m of intermixed grey ashly material. Foliated tlo Sulphides py, gr, spt (from orange to red) occur tlo as dsd blebs & in pre-deformational vns often associated & cb (two types of cb, wt calcite - grey br). Sericite-silica alt: is pervasive. Mn(CO ₃) alt: is suggested by yellow CO ₂ & elevated mn. Volcaniclastic is distinguished by a dacite T/Zr & ARA type Qxtals (sparse but distinct). Anomalous Ba ~ 676-677m. Two generations of vein & deformed q - cb - sd (average ~ parallel to foliation cross-cut by fibrous q - cb - sd vns (averaging ~ to). Interbed at V.H.M.S. footwall style alt: (Pro)			
20.5	385655					
24.8	385657					
24.4	385652					
21.1	385658					
26.8	385646					
20.5	385653					
26.1	385652					
22.9	385660					
14.0	385666		Strongly altered volcaniclastic. Distinguished by lack of ARA Qxtals & more felsic T/Zr. Usually alt: is similar to sericite-silica altd m. cb altd(?) F - blebby - vns sulphides in orange sphalerite. Zone of intermixed grey ashly material ~ 714-739.			

390886

GRAPHIC CORE LOG			Hole No. SHD-1	Depth	m
Scale 1:1000			Project		
By			Section		
Date			Collar co-ords		
Page 4 of 4			Az. °C		
			← 5 cm →		
			RL °		
Depth m	Mean Grainsize Mud 0.5 2 8 32 mm	Max. clast φ & Structure	Description		
T.12 7.3 6.2 385572			Appears to be same with perhaps to EOH of There are no obvious breaks. Basal part contains rounded clasts up to 100 μm of cm gr and dk ag. F. Rose are difficult to interpret. They appear to both be the same. The dk ag overprinting the cm gr clasts. The dk ag could be v. fly pg. The initial clasts are Fp - probably dacite - this is supported by T.12: 12.3 for 385613. The clasts make up ~ 30% of this basal part & the matrix pumaceous as for the overlying rock		
6.9 24.0 385602 385513 770					
12.3 385413 779 EOH.					