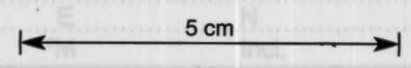


GRAPHIC CORE LOG			Hole No. SHD-10	Depth 574.0 m
Scale	1:1000		Project "SOUTH HENTY"	FL 8/96
By	GRANT MACDONALD		Section	
Date			Collar co-ords	
Page	1 of 3		Az.	°G
Depth m	Mean Grainsize Mud 0.5 2 8 32 mm	Max. clast ϕ & Structure	Description	
0-80			Core from 0-80m. Siltstone. Light grey green / green well bedded (beds ~ 5mm to 50mm g.ly) defined by narrower darker green coarser siltstone / sandstone beds between broader lighter finer grained beds. Towards the bottom of the unit the coarser grained beds contain v. occasional Q xtls similar to those in underlying sst / bx. Core contains numerous microfaults & fractures i. v. fine q., chl, cb and/or py vats. From 32.2m - 35.3m is a syn foliated zone i. foliation sub-parallel to core axis, slickensides indicate strike or oblique slip. V. pyrophy zone from 54.5m - 54.6m [PTO]. Rhyolitic volcaniclastic bx. Q >> F xtal rich i. ~ 10% sub-rounded QFpR (up to 30% from ~ 72m - 100m) in a matrix i. 50% - 70% Q xtls & remainder F. Q xtls are 2-3mm & have chl inclusions. F. are ph/org. ~ 2mm QFpR clasts are ph/org., occasionally gn (chl). The mx is v. chloritic in part. Some blotchy alb/chl alt. from 91-155m. Zone of cubic py. from 135.3-135.8m, otherwise only v. mn pyrite.	
80-155			Fault 155.0m - 156.0m. Rhyolitic volcaniclastic bx. Similarities but also significant differences across the fault. Grey green (due to more pervasive chl alt. of mx) Q >> F xtal mx i. QFpR clasts but clasts g.ly < 10mm i. only occasional larger (to 100-200mm) clasts. Unit coarsens up below 181m.	
155-190.4			Faulted contact @ 15-30° ca.	
190.4-200			Polymict (slump) bx. Package of large clasts / rafts of QFpR (to 5m) in intermixed gn sst, QF xtal lithic (QFpR) sst / bx, & carbonate (fossiliferous but not fizzy). Relationship suggestive of formation by [PTO].	
200-213.8			QFp Rhyolite. Ph/org. Q (~ 10% to 4mm). F. (~ 5-8% to 3mm) porphyritic rhyolite. Q xtls have chl inclusions.	
213.8-228.2			Bx. Hyaloclastic in part but also QF xtal / QFpR bx.	
228.2-240			QFpR a.a.	



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GRAPHIC CORE LOG			Hole No. SHD-10	Depth	m
Scale	1:1000		Project		
By	GRANT MACDONALD		Section		
Date			Collar co-ords		
Page	2 of 3		Az.	°G	
Depth m	Mean Grainsize Mud	0.5 2 8 32 mm	Max. clast φ & Structure	Description	
270				gy. cherty silt - peperitic	
290			215°	Rhyolitic volcanoclastic bx. $\bar{\tau}$ sub-angular to sub-rounded QFpR clasts in Q, F xtal rich mx. Similar to zone from 206.0 - 213.8 m. Cb clast (p. pink due to hmt) from 288.0 - 288.5 m similar to cb from 210.7 - 211.3 m	
310			303	QFpR	
320			314.5 328	← Possible hyaloclastic bx QFpR	
350			Fault @ 350 m @ 85° ca	Fault is healed $\bar{\tau}$ py	
370					
390					
410					
430			Fault @ 426 m @ ~5° ca	Below 420 m core becomes pale green/cream $\bar{\tau}$ ghosted Q xtal due to silicification, probably associated τ faults.	
450					
470			Fault @ 470.5 m @ 5° - 10° ca	Sandstone Ghosted but gritty Q, F xtal sst τ silt. Siltstone/sandstone. Grey green $\bar{\tau}$ Q + F xtal (< 5%) in silty mx.	
474.2			So 28° ca So 18° ca		
487.8			So 28° ca So 30° ca		
490				QFpR. Possibly quenched margins. Upper + lower contacts @ ~10° ca.	
493.5			So 45° ca	Siltstones/sandstones as for 474.2 - 487.8 m.	
496.2				QFpR. Possibly quenched margins	

