

200	SILTY SAND Grey to brown, as above. No apparent silty clay component in cuttings. Rare peaty stringers < 1%. Common peaty black chips (see CARBON). Sand is obvious Qtz component.		n.p.	200-205' < 1% peaty chips 205-210' 2-3% peaty chips 210-230' 1% peaty chips. 200-230' As rare peaty stringers < 1% throughout.	All to clay mins?	V/10/205 V/10/210 V/10/215 V/10/220 V/10/225 V/10/230	V/10 CONTINUED
230	MEDIUM TO COARSE SAND Cuttings predom sand in minor frags; silty matrix (contam?). Sand predom Qtz; angular to subangular, clear to brown (ferrugst), 80%.		As possible ferrug. stain of brown const. mins.	230-235' 1% peaty chips 235-240' 10% peaty chips	As minor const. 5% of coarse sand.	V/10/235 V/10/240	
240	SILTY SAND As from 200-230ft. Predom grey to bluish grey, with brown carbonaceous patches. 50-60% sand, 40-50% silt. Sand is obvious major Qtz + minor greenish mineral < 1% Sand possibly contains altered dolerite pebbles.		n.p.	240-250' 1% black peaty chips	All to clay mins.	V/10/245 V/10/250	
250	% of carb. patches ↓ & depth. 2% → 1%. Common peaty chips throughout (see CARBON) Common frags 2-3% of carb. silty clay scattered through cuttings ⇒ probable banding.			250-265' 20-30% peaty chips		V/10/255 V/10/260	
260	Silt component ↑ & depth. Sand component ↓ & depth. Gradational boundary			265-270' 10% peaty chips		V/10/265 V/10/270	
270	SANDY SILT Sand 20-30% Silt to silty clay 70-80%. Silt - fine gr, predom clay mins (soft) Sand - & apparent rounded Qtz frags (clear) Overall grey colour & rare yellow-brown clay patches (banding?) 1%.		As possible ferrugst. in yellow-brown clay patches	Rare < 1% peaty chips	All to clay mins	V/10/275 V/10/280	
280	Rare < 1% green grey clay frags - possibly decomposed dolerite frags. Sand component ↑ & depth. Gradational boundary					V/10/285	
290	MEDIUM SAND Predom sand (90-95%) minor silt component (contam?) 4-6% Overall speckled grey and orange. Sand constituents - predom Qtz sub ang to sub inded., colourless to dull grey, 90%-95%. - minor f/frag, dull white 2-3%. minor orange ferrug frags? 1%. Common small black peaty chips 1-2% Silt component ↑ & depth - Gradational boundary		As ferrug. orange frags in sand 1%	As small black peaty chips 1-2%	As minor sand const 2-3%	V/10/290 V/10/295 V/10/300	Difficult to determine accurate % abundances due to extensive contamination of cuttings with washing medium.
300	SILTY SAND Bluish grey in colour. Predom sand (as above) in bluish grey minor silty matrix. Common 1-2% peaty concentrations through sand. Silt component ↑ & depth. Gradational boundary		As minor const of sand ⇒ ferrug orange frags	As common peaty concn frags 1-2% (brown)	As minor const of sand	V/10/305 V/10/310	
310	SANDY SILT Grey to grey brown in colour. Predom silt & minor sand component. Minor clay const. ↑ & depth. Sand component - possibly resulting from contam only. Boundary NOT distinct		n.p.	As minor intrst silty silt &	All to clay mins.	V/10/315 V/10/320	
320	SANDY SILT INTERBEDDED WITH SILTY CLAY Sand/silt - as from 310-320ft. Silty clay - variable brown to greenish grey. Fine gr, homog. - predom clay mins 320-325ft sandy silt - 60-80%; silty clay 20-40% 325-330ft sandy silt - 60%; silty clay 40% 330-335ft sandy silt - 10-20%; silty clay 80-90%. Brown colour due to interstitial carbonaceous material.		n.p.	As minor intrst silty clay.	All to clay mins	V/10/325 V/10/330 V/10/335	
330	SILTY CLAY Predom clay with minor silt component (30%). Rare frags of sandy silt through cuttings 2-3% ↓ & depth. Silty clay - yellow brown to grey to brown. Brown colouration due to interstitial carbonaceous material? Overall homogeneous text. Clay component ↑ in abundance & depth.		n.p.	As minor intrst silty clay frags only	All to clay mins.	V/10/340 V/10/345 V/10/350 V/10/355 V/10/360 V/10/365 V/10/370 V/10/375 V/10/380	
380	380-385ft Rare peaty chips 2%. Gradational boundary			380-385ft Rare peaty chips 2%		V/10/385	
390	CARBONACEOUS CLAY. Brown to dark grey depending on abundance of carbonaceous material. Overall fine gr, mediumaly compacted. Abundance of carb material variable & depth (see CARBON) PEAT bands 395-420ft 80-90% of cutting.		n.p.	395-400ft 30% decomposed peaty chips 400-420ft 80-90% peaty chips	All to clay mins	V/10/390 V/10/395 V/10/400 V/10/405 V/10/410 V/10/415 V/10/420 V/10/425 V/10/430 V/10/435 V/10/440 V/10/445 V/10/450 V/10/455 V/10/460	
460	CARBONACEOUS CLAY INTERBEDDED WITH SANDY SILTY CLAY? Carbonaceous clay - similar in composition to above. Carbon as interstitial + rare 1% peaty chips. Abundance ↓ & depth. Sand/silt/clay - possibly pebbles of decomposed dolerite? Apparent igneous texture. Abundance ↑ & depth. Carb clay ↓ & depth		n.p.	As intrst silty carb. clay + rare peaty chips 1% ↓ & depth.	All to clay mins	V/10/465 V/10/470 V/10/475 V/10/480 V/10/485 V/10/490 V/10/495	
500	DECOMPOSED DOLOERITE FRAGMENTS Predom green in colour, 80% of cuttings - small relatively hard frags (decomp. dolerite mineral) Rare carb clay frags ↓ & depth.					V/10/500	

END OF HOLE 510 FT - DOLOERITE



V/10/505
V/10/510