692266

1381

P/7 CONTINUED SHEET 2 OF 2

200

200-205' carb clay 60-70%
grey silt 20%
peat 20% ē rare < 1% large qtz pebbles (contam)

205-210' carb clay 80%
silt 10%
Peaty chips 5-10%
non carb clay (grey) 5%

200-205' 20% peat
205-210' 5-10% peaty chips

P/7/205
P/7/210

210

210-245 ft Difficult to determine any accurate % abundances of components due to extensive discolouration of cuttings with washing medium

In general cuttings predom carb. clay
ē minor silt + non-carb. clay } components

210-245' 10% carb. material

P/7/215
P/7/220

220

Silt ↑ ē depth
Carb clay ↓ ē depth

P/7/225
P/7/230

230

P/7/235
P/7/240

240

245'-255' Predom grey silt 60%
carb. silty clay 30%
yellow brown clay 5-10%

245'-255' 5% peaty chips

P/7/245
P/7/250

250

large peaty chips 3/4" 5%
Rare sandy silt frags ē apparent qtz + micaceous clay minrs (< 2%)

+ interstitial in silty clay

P/7/255

PEBBLY COARSE SAND INTERBEDDED WITH CARBONACEOUS CLAY AND MINOR SILT BANDS

Pebbly coarse sand:- very coarse, predom Qtz (ang), grey. 90%. Common f/spar - dull white and brown (ang) 5%. Rare frags of dark mineral (possibly stained Qtz)
Carb clay:- as above - moderately compacted, dark brown.
Silt grey brown ē apparent kaolinitic specks (after f/spar?)
255-260 ft 60% coarse sand, 30% carb clay, 10% silt.
260-270 ft 40% coarse sand, 50% carb. clay, 10% silt.
270-275 ft 10% coarse sand, 80% carb clay 10% silt
** Boundary NOT distinct.

n.p.

As fine gr interstitial in carb. clay. As peaty chips 2% throughout.

As minor sand const. + Kaolinitic specks in silt (after f/spar?)

P/7/260
P/7/265
P/7/270
P/7/275

** Coarse sand through cuttings after 260 ft probably resultant from contamination only.

CARBONACEOUS CLAY WITH PEATY BANDS, PEBBLY BANDS, SANDY SILT BANDS AND NON-CARBONACEOUS CLAY BANDS

Carb clay - as from 255'-275'.
Peaty bands:- predom black partly carbonised peaty chips.
Pebbly bands:- Qtz pebbles 1/8-1/4", sub rnded, stained grey.
Sandy silt:- predom silt ē minor sand composed Sand ē apparent Qtz, sub rnded, and Kaolinitic yellow specks (after f/spar?)
Non carb. clay:- grey to yellow brown (ferrug st?) fine gr, homog clay.
275-285 ft predom peaty chips 70-80% ē 10% carb clay, 2-3% pebbles, 5% sandy silt.
285-300 ft predom carb. clay 60% non carb yellow clay 10-20%, pebbles 2-3% carb. silt 20% & 5% peaty chips

As ferrug yellow brown stain in RARE clay frags

275-285' 70-80% peaty chips
285-300' 5% peaty chips
+ clay and silt interstitial

Alt to clay mins

280

290

300

CARBONACEOUS SILT WITH BANDS OF COARSE PEBBLY SAND AND CARBONACEOUS CLAY

Carbonaceous silt:- homog, ē apparent yellow kaolinitic particles in fine gr matrix. Variable brown to grey brown according to carbon (as interstitial) content.
Pebbly sand:- as from 255-260 ft very coarse predom angular qtz ē minor f/spar. Common sub rnded pebbles.
Carb. clay:- As from 255'-275'.
300'-305' 20% coarse pebbly sand 50% carb silt. 30% carb. clay.
ē minor < 5% peaty black chips.
In general pebbly sand ↓ ē depth
carb. clay ↑ ē depth.
305'-310' 60-70% carb silt 30% carb. clay 5-10% pebbly coarse sand (contam?)
Rare 1% yellow brown ferrug? clay frags.
310'-365' Difficult to allocate accurate % abundance determinations for components due to extensive discolouration & contamination of cuttings with washing medium.
Cuttings mixture of components SANDY SILTY CLAY (carbonaceous)
Common 5% peaty chips throughout
350-355 ft - 10% peaty chips
ē depth silt ↑ in abundance
clay ↓ in abundance
carbonaceous material ↑ ē depth.
Rare 1-2%? yellow brown to grey non carbonaceous plastic clay fragments throughout.
Arbitrary boundary

n.p.

300-305' < 5% peaty chips + interstitial
305-310' as interstitial
310-365' 5-10% carb material

As minor const. in Sand
Alt to clay mins?

310

320

330

340

350

PEAT AND PEATY CHIPS BANDED WITH CARBONACEOUS SILT.

Components - as from 300-360 ft
365-370' 80-90% peaty material 10-20% silt.
370-375' 40% peat 60% carb. silt ē minor clay component.
375-380' 80% carb. silt 20% carb. shaceous material
380-385' 90% peaty material 10% silt. clay
385-390 ft 70-80% peaty material 20-30% silt. + clay
390-400' 50% peaty material 30% silt 20% carbonaceous clay frags / moderately compact.
Boundary arbitrary

n.p

365-370' 80-90% carb material
370-375' 40% peat
375-380' 20% carb material
380-385' 90% carb material
385-390' 70-80% carb material
390-400 30% peaty material

Alt to clay mins

360

370

380

390

400

CARBONACEOUS CLAY INTERBEDDED WITH CARBONACEOUS SILT AND PEAT AND SANDY SILT

400-415' predom carb. clay 50-60% and carb silt 40% ē common 5% peaty chips throughout ↑ ē depth
Rare grey sandy silt frags 1-2%. suggesting minor banding?
415-425' common frags of ~~grey~~ sandy silt 20-30% grey to greenish grey ē apparent Qtz & kaolinitic yellow particles in soft grey green silty clay matrix. Remainder of cuttings - carb. clay, carb silt and peaty chips.
Arbitrary boundary

n.p

As interstitial in carb. clay and carb silt + peaty chips 5-10% ↑ in abundance ē depth.

Alt. to clay mins Kaolinitic particles (after f/spar?) in sandy silt

410

420

PEAT BANDS THROUGH CARBONACEOUS SILT & CLAY

425-430' 50-60% peat + peaty chips 40-50% carbonaceous silt and clay
Rare yellow brown (ferrug st?) clay frags scattered through cuttings?
430-435' Predom carbonaceous material 50-60%
Minor carbonaceous clay frags 30%
carbonaceous silt frags 20%
435-440' 70-80% peat 20-30% carb. clay + carb silt.
440-450' ↑ in carb. clay, carb silt components ↓ in peat.
Difficult to separate components due to discolouration of cuttings with washing medium.
Arbitrary boundary.

As ferrug stain in RARE < 1% yellow brown homog clay frags?

As interstitial of silt + clay
425-430' 50-60% peat + peaty chips
430-435' 50-60% carb. material
435-440' 70-80% peat.
440-450 ↓ in peat

Alt. to clay mins?

430

440

450

CARBONACEOUS CLAY INTERBEDDED WITH CARBONACEOUS SILT AND SANDY SILT WITH MINOR BANDS OF NON-CARBONACEOUS CLAY AND GRAVEL

Non carbonaceous clay - yellow brown, homog, fine gr clay ē probable ferrug staining?
450-455' predom carb silt + carb clay
minor < 10% yellow brown clay
< 1% gravel frags
5% peaty chips
455-460' 60% carb clay, 10% yellow brown clay 20% silt to sandy silt (grey ē apparent Qtz)
5-10% peaty chips

As ferrug stain? in RARE yellow brown clay frags

490-455' 5% peaty chips + interstitial
455-460' 5-10% peaty chips
460-470' predom interstitial in carb clay & carb silt
470-485' 10% peat + interstitial in carb clay + carb silt

Alt. to clay mins?

460

470

480

460-470' predom silt to sandy silt 50-60% grey brown ē apparent fine gr Qtz in silty clay matrix. Minor interstitial carbon. Remainder of cuttings ~~are~~ carb. silt, carb clay + peat
470-485' ↓ in sandy silt ↑ in carb. silt, carb clay
10% peaty chips
Rare yellow brown clay frags.
Boundary arbitrary

PEATY CHIPS INTERBANDED WITH CARBONACEOUS SILTY AND CARBONACEOUS CLAY

485-490' 60% peat + peaty chips, 30% clay + silt + 5-10% yellow brown clay
490-495' 70% peaty chips 30% carb silt. + carb clay

As ferrug st. in RARE yellow brown clay.

485-490' 60% peat + peaty chips
490-495' 70% peaty chips

Alt. to clay mins?

490

END OF HOLE - 495 FT.

500

5 cm

10-LAU-8