

DRILLHOLE P-02

<u>Depth (m)</u>	<u>Lithologic Description</u>
0.00 - 8.00	Not recorded
8.00 - 9.55	<u>Sandstone</u> : light grey to dark grey; medium to coarse grained; moderately sorted - with occasional quartz granule fragments; well cemented, slightly calcareous; slightly lithic, micaceous in part, feldspathic matrix; bioturbated: contains carbonaceous wisps throughout.
9.55 - 12.38	<u>Sandstone</u> : light grey to grey with black carbonaceous particles, occasionally yellow; rounded to sub-rounded, medium to coarse grained; moderately sorted; moderately cemented; argillaceous matrix, calcitic, bioturbated in part; pebbly in places: contains carbonaceous blebs and fragments of varves and slate.
12.38 - 15.20	<u>Sandstone</u> : light grey to grey; medium grained; poorly sorted; moderately cemented; argillaceous in part, slightly bioturbated, occasionally calcitic, slightly lithic, micaceous in part, feldspathic matrix; pebbly: contains varve fragments and slatey remnants in ground mass.
15.20 - 15.37	Core loss
15.37 - 17.34	<u>Sandstone</u> : light grey to grey; medium to coarse grained; poorly sorted - with occasional quartz granule fragments; moderately cemented; fair porosity; slightly carbonaceous; slightly lithic, micaceous, feldspathic: contains varve fragments and slatey remnants throughout.
17.34 - 18.37	Core loss
18.37 - 19.21	<u>Sandstone</u> : light grey; medium grained; moderately sorted; poorly cemented; slightly lithic, feldspathic.
19.21 - 19.57	Core loss
19.57 - 20.07	<u>Sandstone</u> : light grey; fine to medium grained; moderately sorted; moderately cemented; slightly calcareous; bioturbated, carbonaceous wisps throughout.
20.07 - 20.52	Core loss
20.52 - 21.09	<u>Open Holed</u> : sample lost.

Depth (m)Lithologic Description

21.09 - 23.71

Sandstone: light grey; angular to sub-rounded, medium to coarse grained; poorly sorted; moderately cemented, calcareous in places; occasionally pebbly, slightly micaceous, lithic in part, feldspathic.

23.71 - 24.26

Sandstone: as above; friable; argillaceous matrix; pebbly throughout.

24.26 - 26.60

Core loss

26.60 - 27.09

Sandstone: light grey; fine to medium grained; argillaceous in part.

27.09 - 30.09

Sandstone: off-white to grey with occasional black carbonaceous particles; fine grained; well sorted; well cemented, slightly calcareous; lithic matrix.

30.09 - 33.09

Sandstone: light grey; fine grained; well sorted; well cemented, kaolinitic in part, lithic; grades into a siltstone towards base of unit.

33.09 - 36.09

Siltstone: light grey; well sorted - with occasional quartz granule fragments; well cemented, calcareous in part; slightly kaolinitic, occasionally pebbly, lithic matrix: contains varve fragments and in places grades into a sandy siltstone.

36.09 - 39.09

Sandstone: light grey to dark grey; fine grained; moderately sorted; well cemented, slightly calcareous; lithic matrix, highly fossiliferous.

39.09 - 42.09

Sandstone: light grey to grey; fine grained, occasionally coarse grained at top of unit; well sorted; well cemented, calcareous in part; lithic, bioturbated; calcitic veinlets along fractures; occasional carbonaceous wisps: contains abundant fossil fragments throughout and tillite laminations at 41.37 - 41.40 m.

42.09 - 42.90

Sandstone: as above; fine grained; moderately sorted: contains occasional fossil remnants.

42.90 - 43.60

Sandy Siltstone: light grey to dark grey; well sorted; well cemented; lithic, micaceous, argillaceous matrix: contains occasional calcite veinlets.

023

752024

Depth (m)Lithologic Description

43.60 - 45.09

Sandstone: light grey; medium to coarse grained becoming fine grained towards base of unit; moderately sorted; moderately cemented; slightly argillaceous, feldspathic matrix; occasional carbonaceous blebs, minor calcitic inclusions, occasional fragments of varves; contains minor fragments of tillite towards base of unit.

45.09 - 48.09

Sandstone: light grey; medium to coarse grained; moderately sorted; well cemented, slightly calcareous; micaceous, predominantly lithic, slightly feldspathic; contains minor carbonaceous blebs and sporadic varve fragments.

48.09 - 48.54

Sandstone: as above; fine to medium grained; well sorted; well cemented, calcareous; lithic, micaceous throughout.

48.54 T.D.