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**HOLOCENE SEA-LEVEL CHANGES
IN THE EAST KENT FENS**

by

A.J.LONG

**VOLUME TWO:
FIGURES
AND APPENDICES**

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Thesis submitted for the degree of
Doctor of Philosophy.
University of Durham,
Department of Geography.

December 1991.



18 AUG 1992

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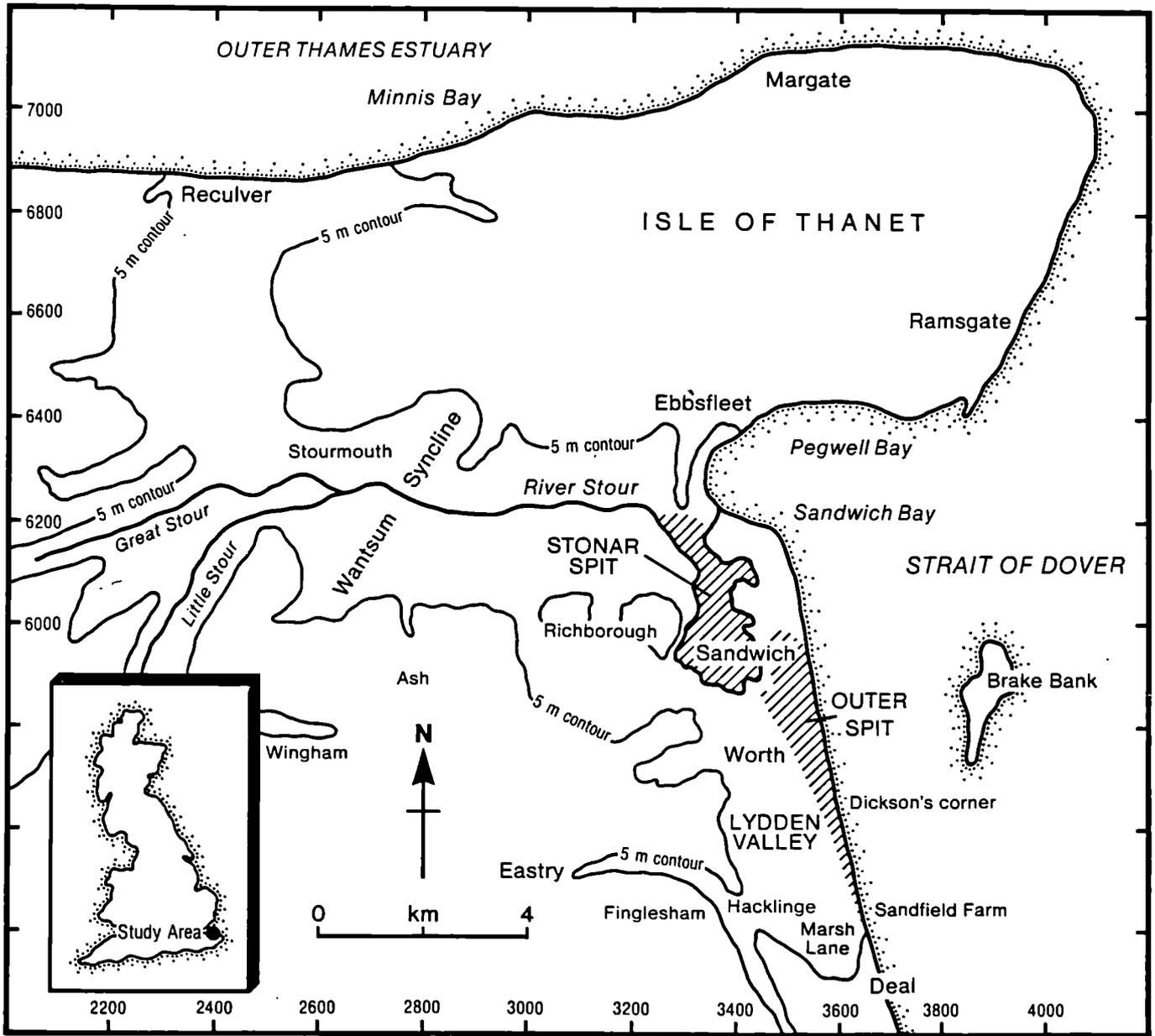


Fig.3.1a. Schematic representation of source and receiver positions.

Fig.3.1b. The plus-minus method.

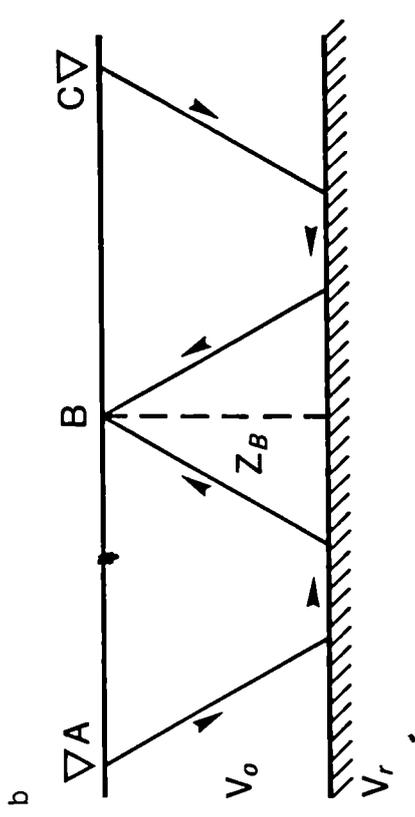
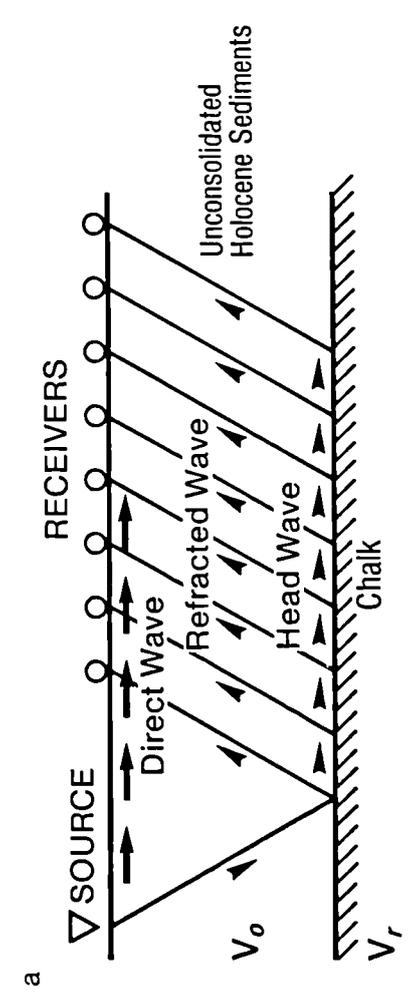


Fig.3.2. Example of seismic trace.

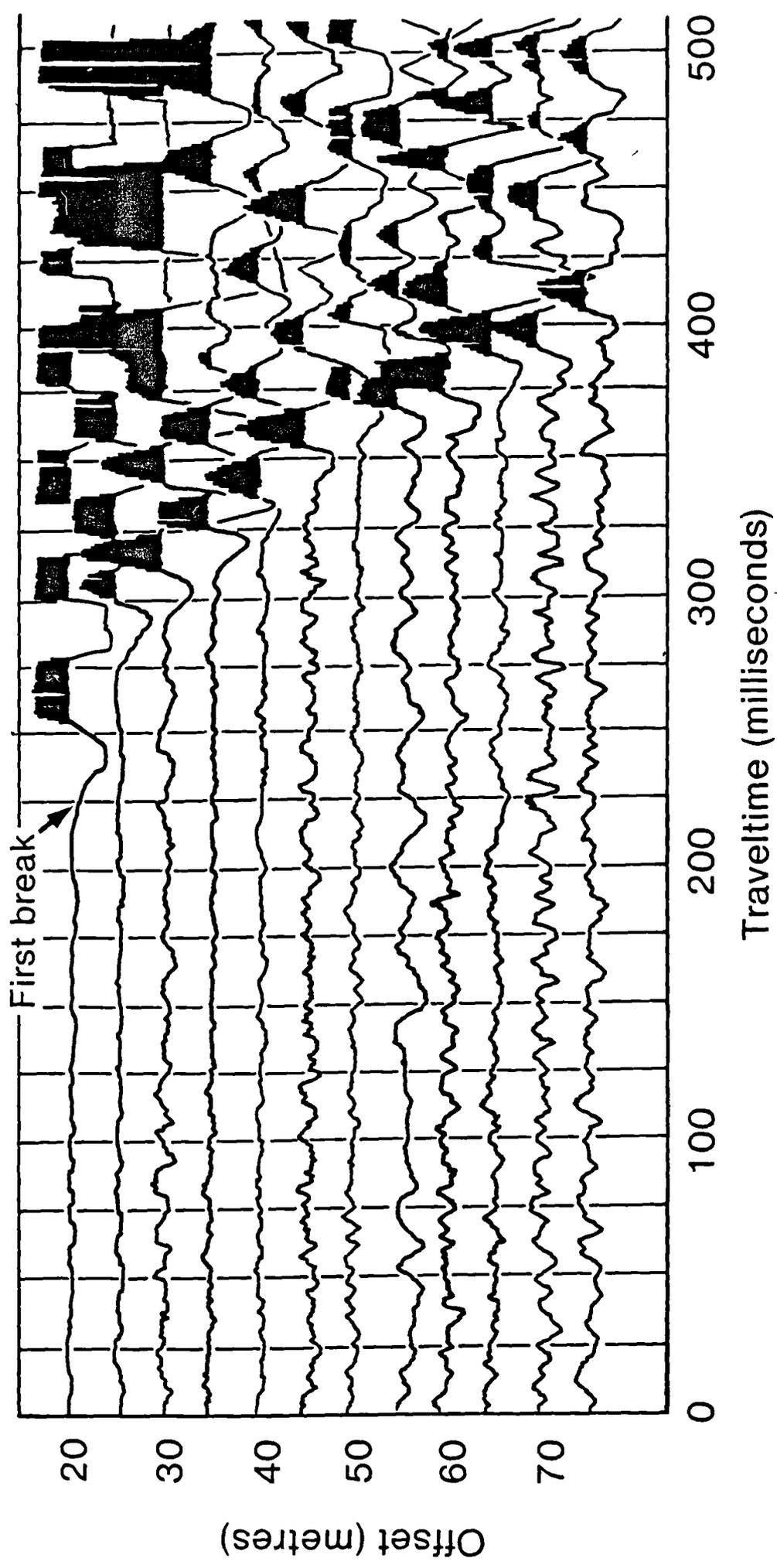


Fig.3.3a. First arrival times for Line 9003.

Fig.3.3b. Depth determinations for Line 9003.

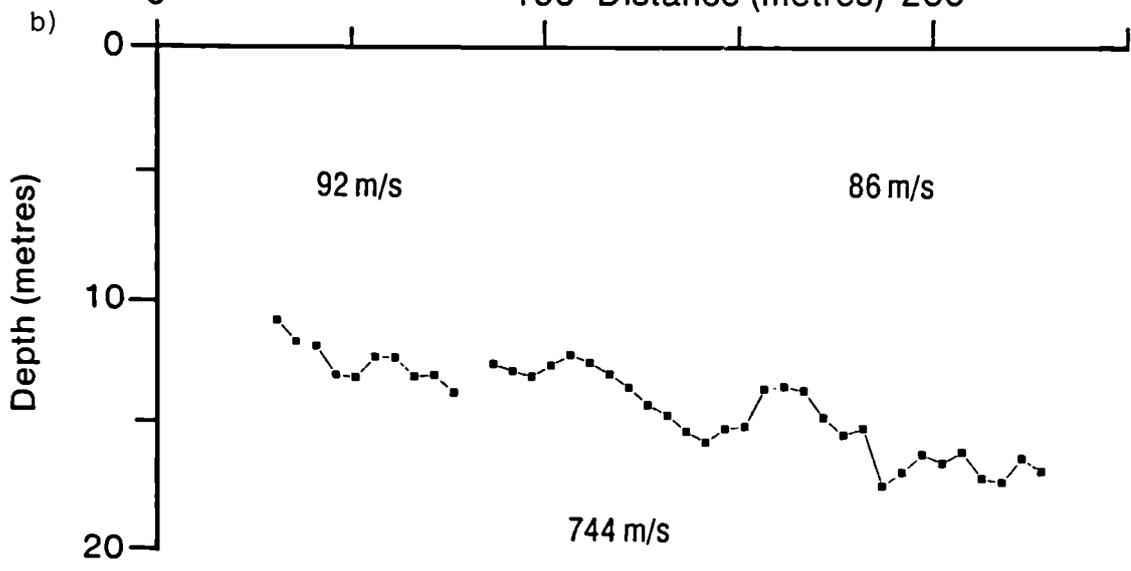
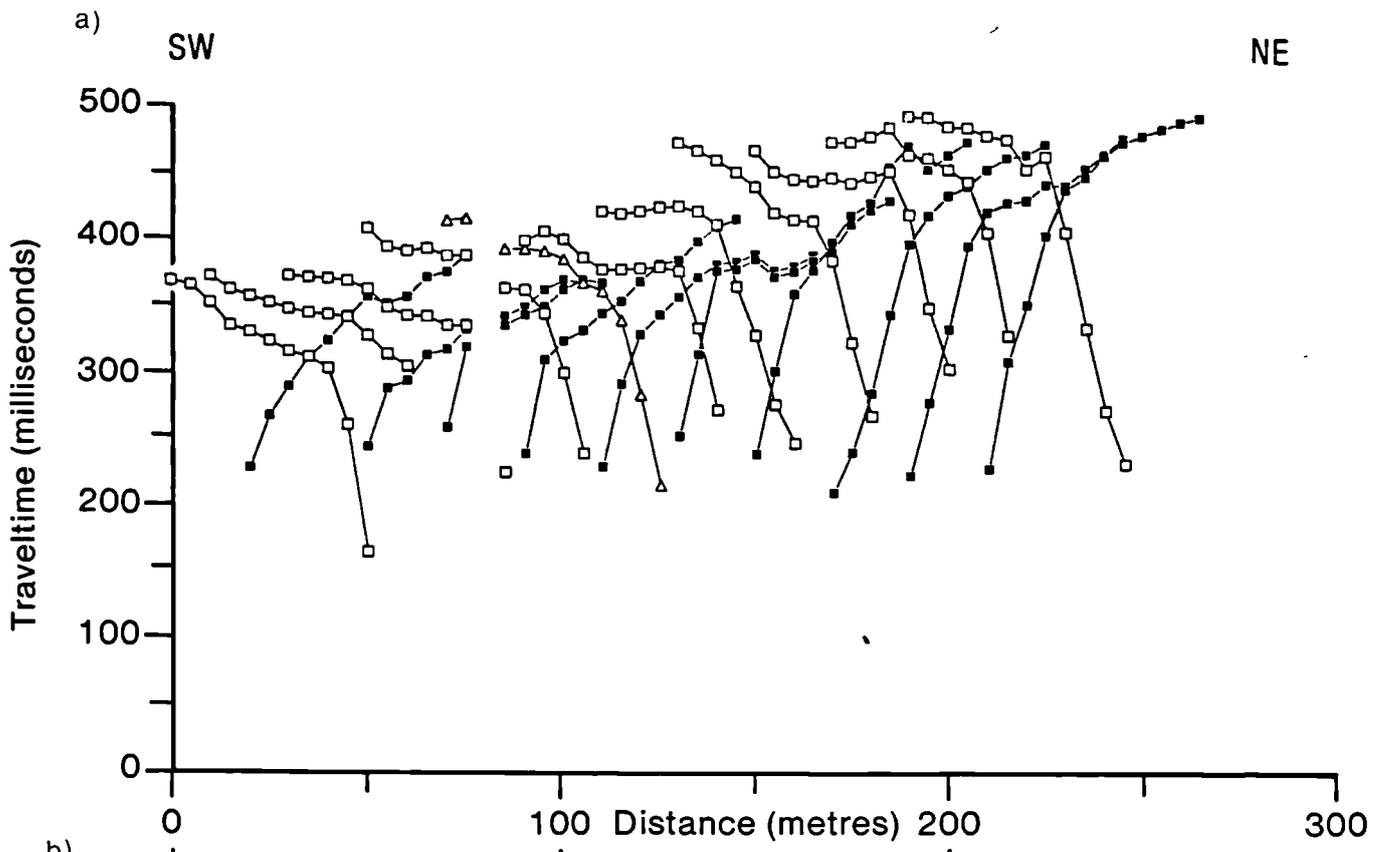


Fig.3.4. Comparison of seismic and hand-core depth determinations for line 9014.

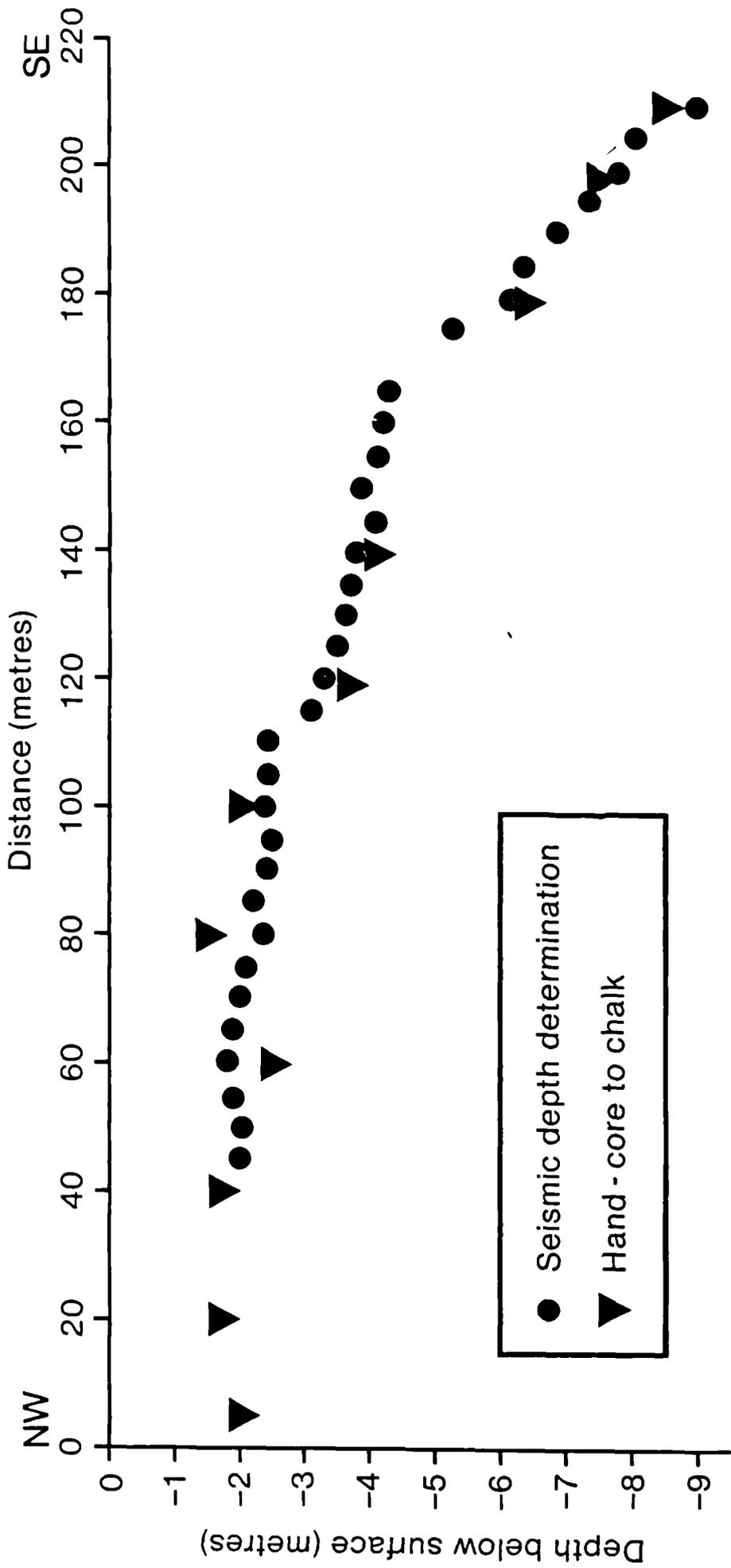
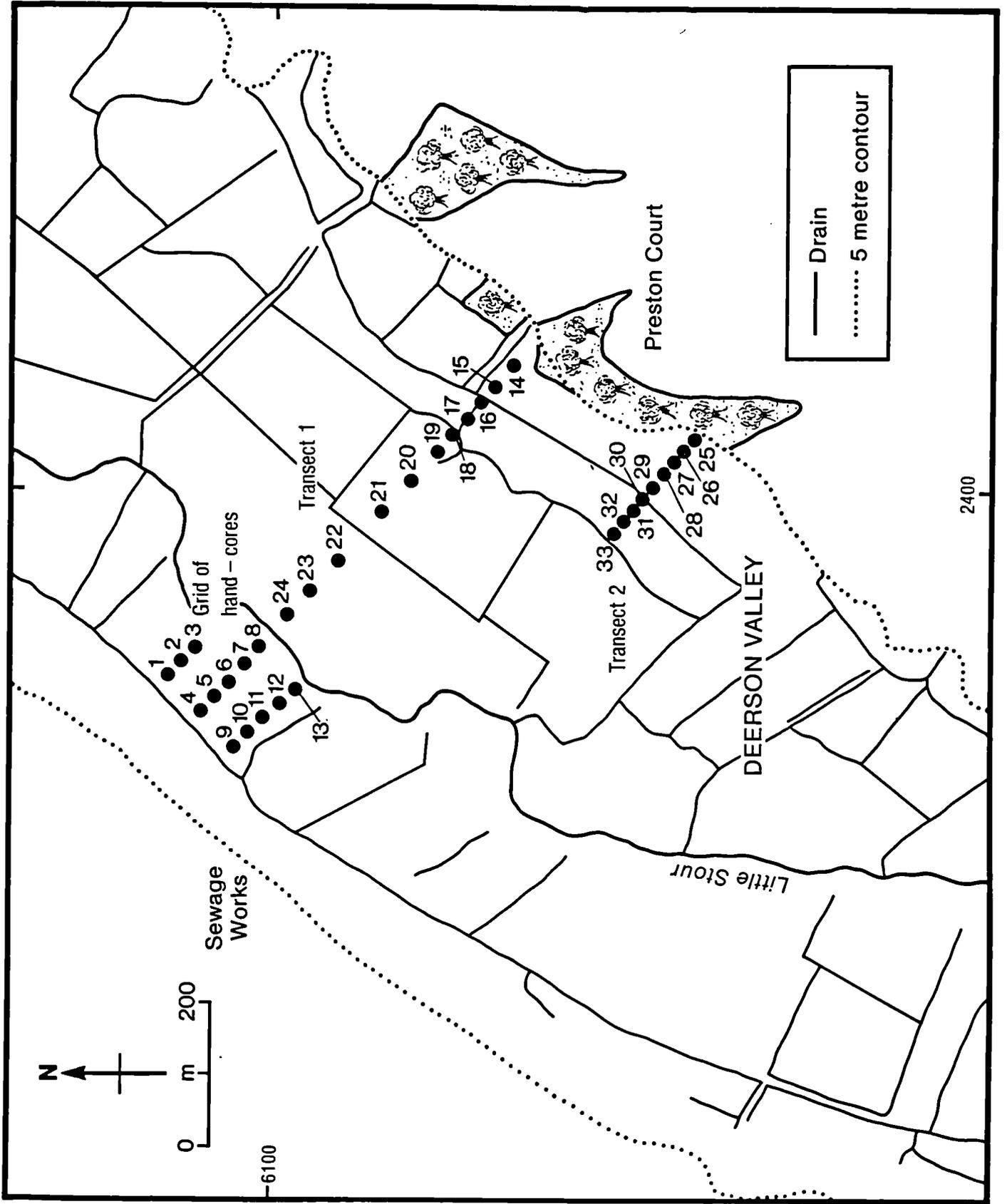


Fig.4.1. The Little Stour Valley: Location Map.



N

0 200
m

Sewage Works

6100

Grid of hand - cores

Transect 1

Preston Court

Transect 2

DEERSON VALLEY

Little Stour

2400

— Drain

..... 5 metre contour

Fig.4.2. Deerson Valley: Transect 1.

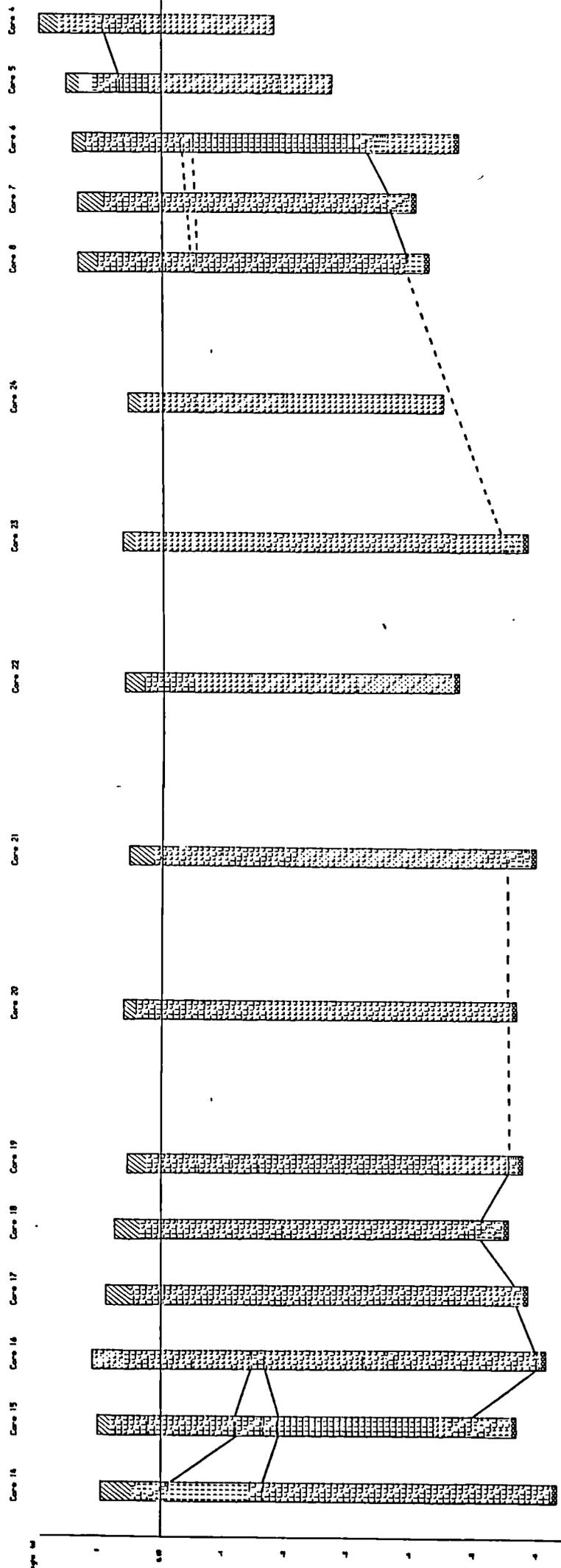


Fig.4.3. Deerson Valley: Transect 2.

Core 33

Core 32

Core 31

Core 30

Core 29

Core 28

Core 27

Core 26

Core 25

Height (m)

1

0.0

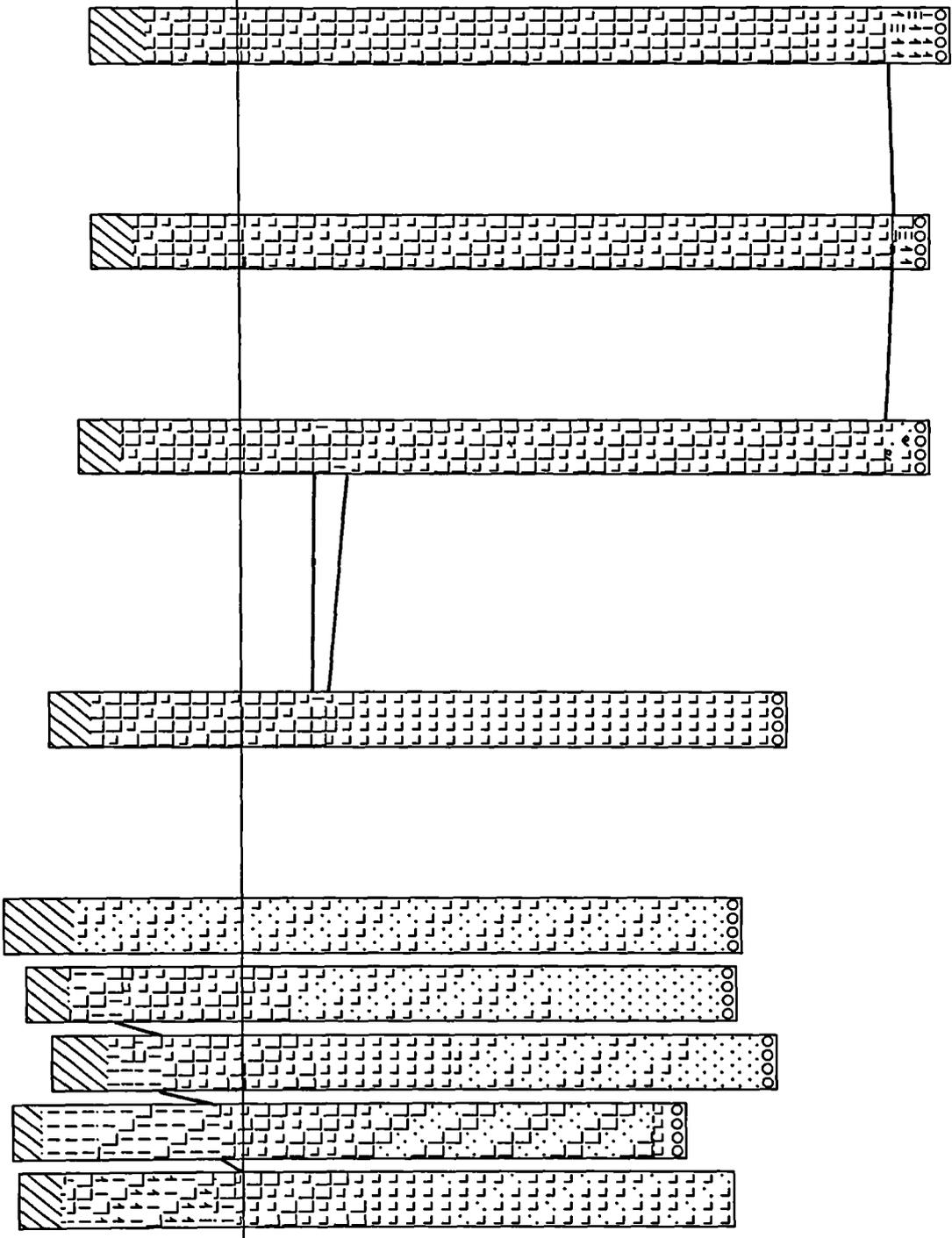
-1

-2

-3

-4

-5



1m

Fig.4.4. North and South Poulders: Location Map.

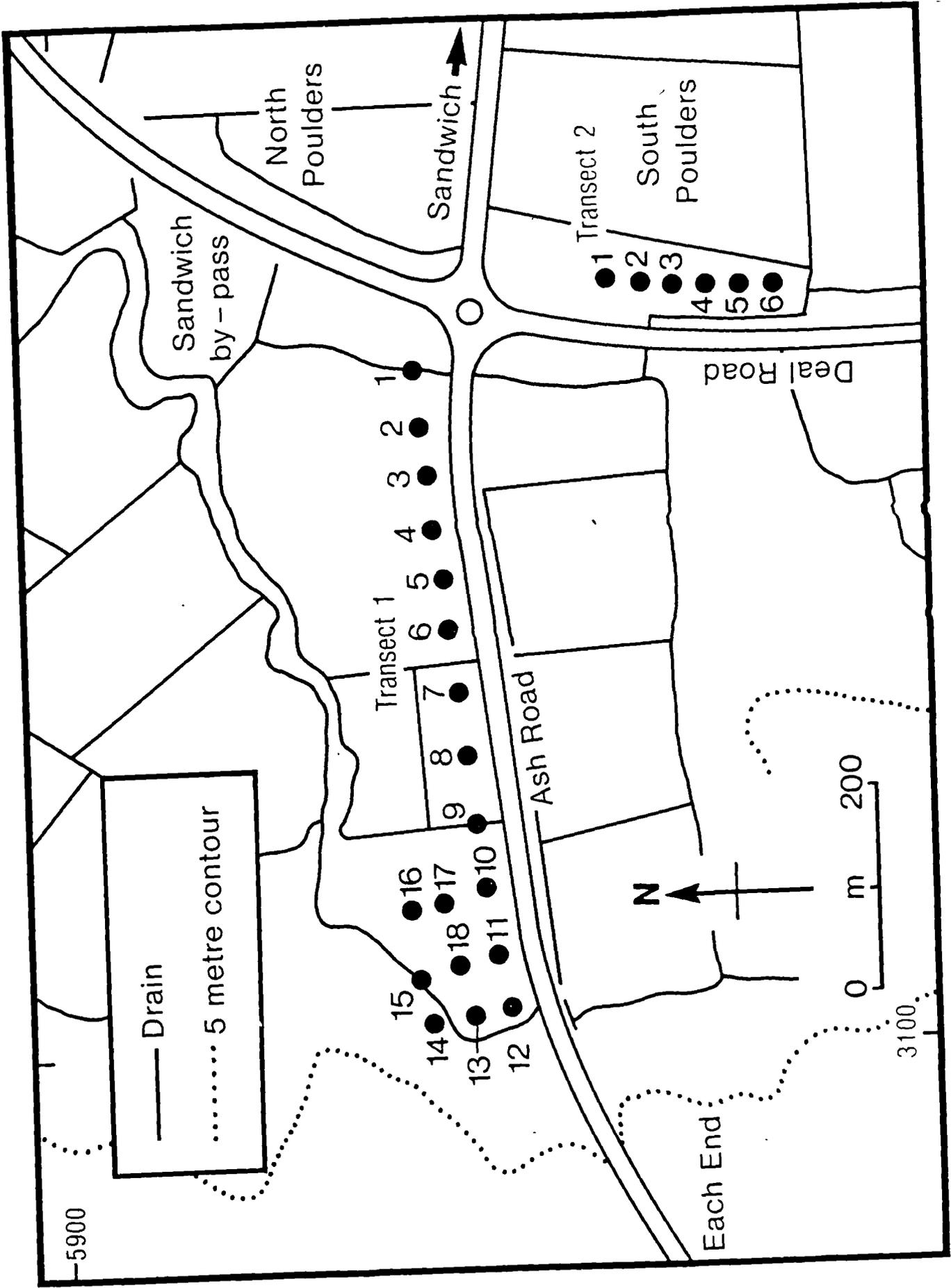
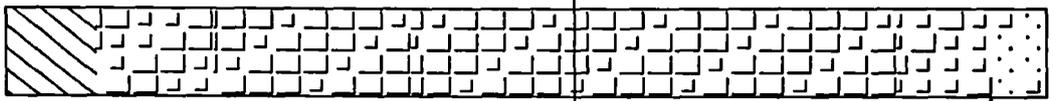


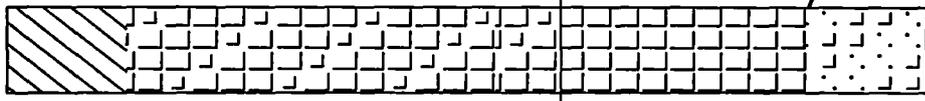
Fig.4.5. North Poulders: Transect 1.

Fig.4.6. North Poulders: grid of cores.

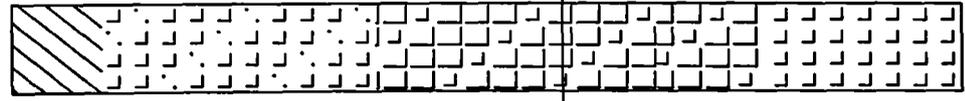
Core 13



Core 18



Core 17



Height (m)

1

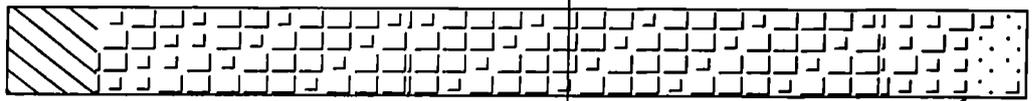
0.0

-1

10m

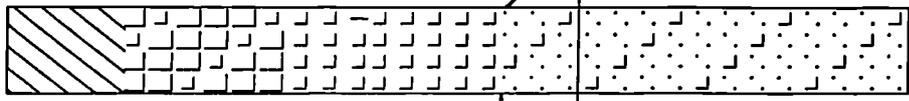
Fig.4.7. North Poulders: grid of cores.

Core 14

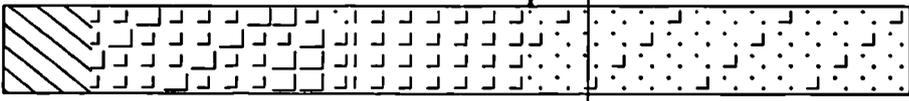


10m

Core 15



Core 16



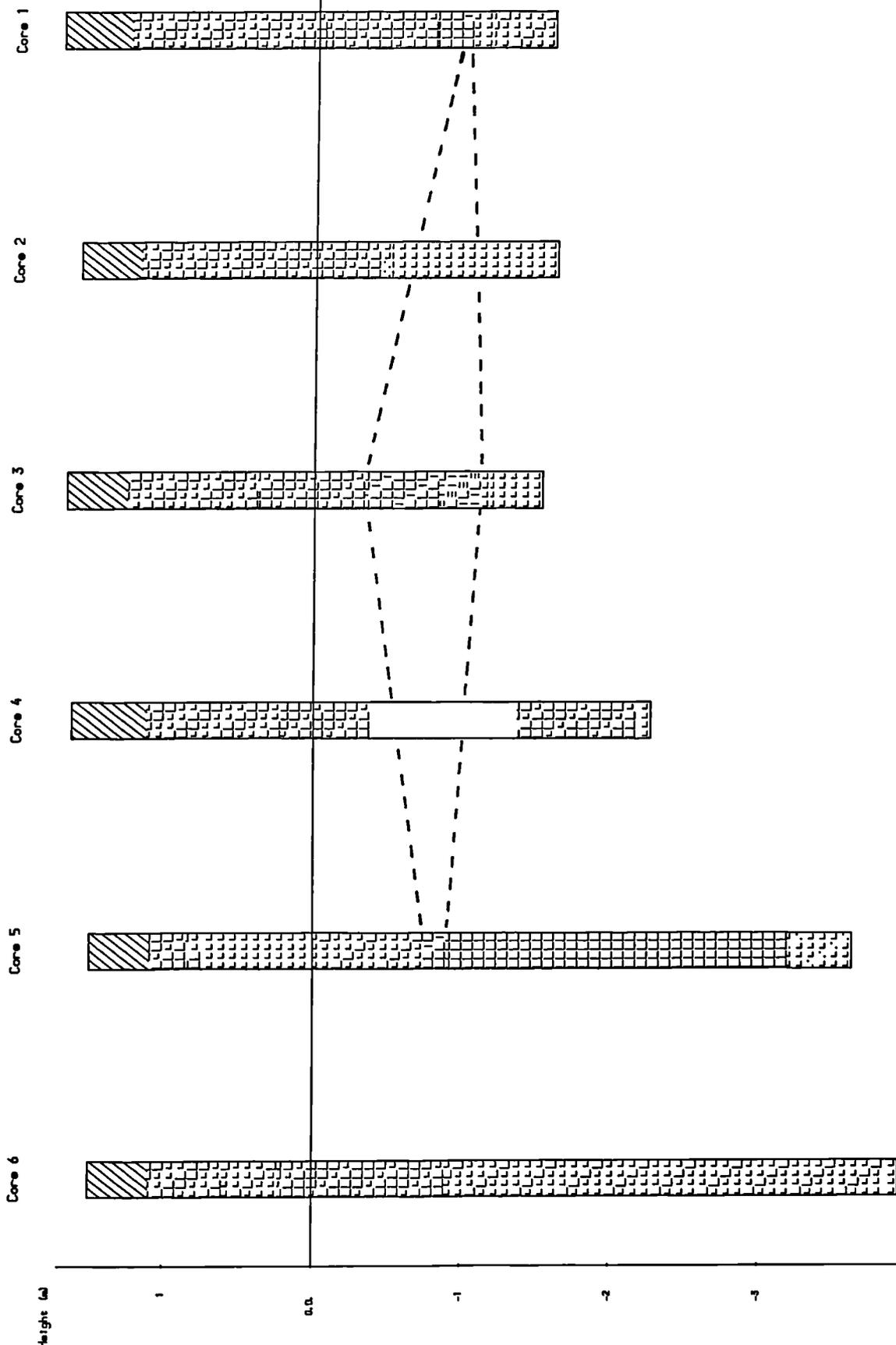
Height (m)

1

0.0

1

Fig.4.8. South Poulders: Transect 2.



10m

Fig.4.9. Stewart's Folly: Location Map.

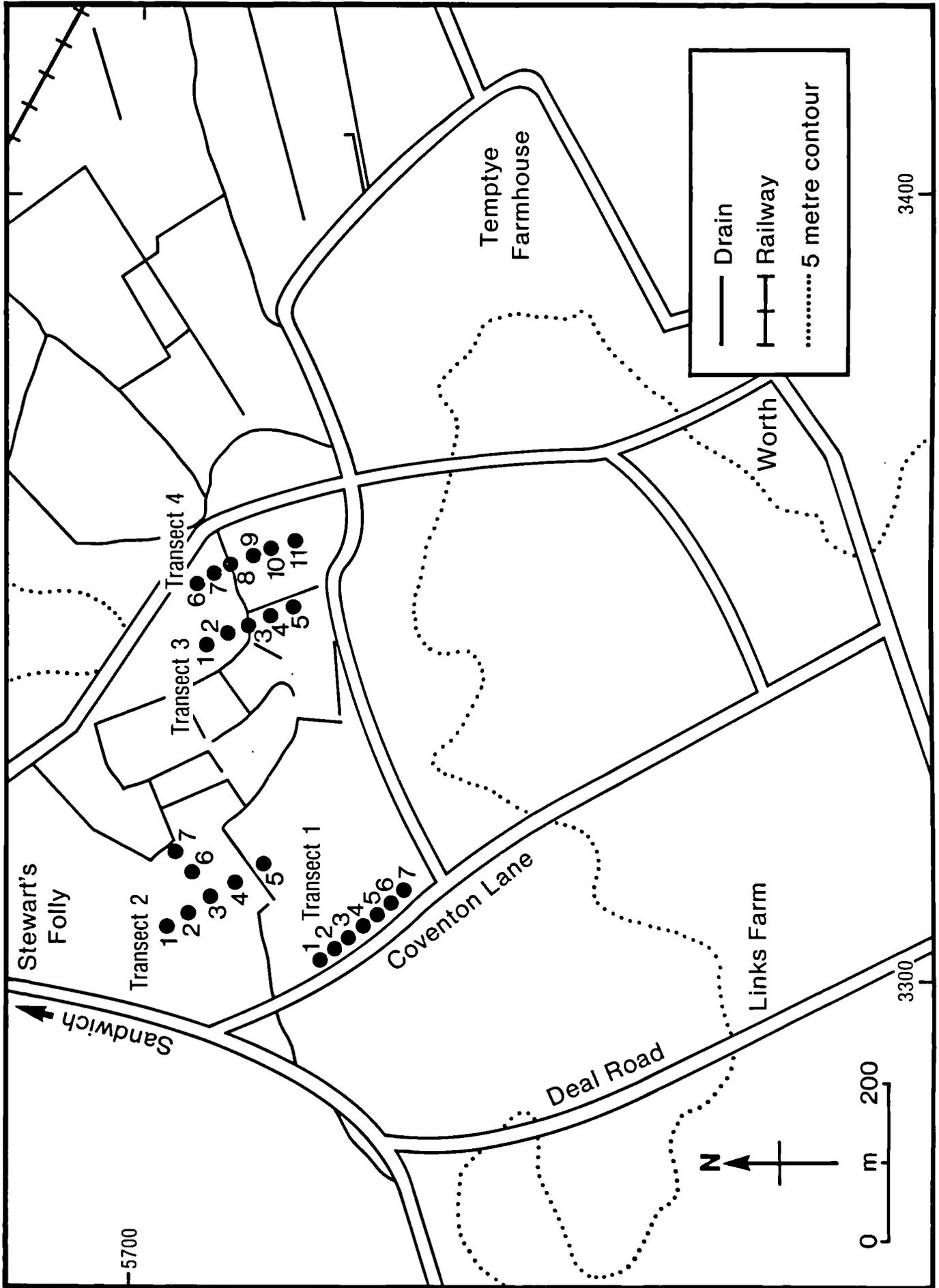
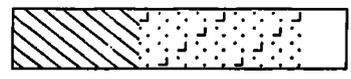
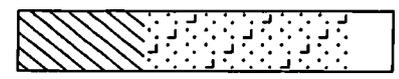


Fig 4.10. Stewart's Folly: Transect 1.

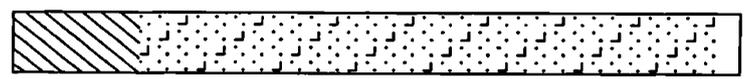
Cone 7



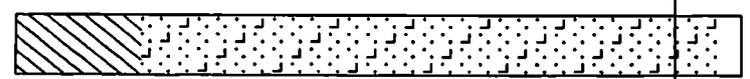
Cone 6



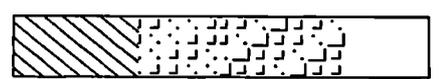
Cone 5



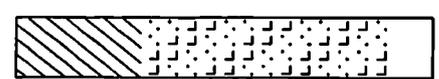
Cone 4



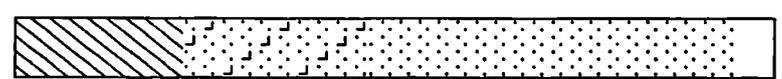
Cone 3



Cone 2



Cone 1



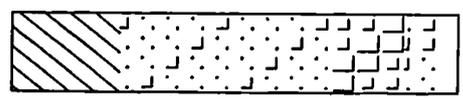
Height (m)

O.D.

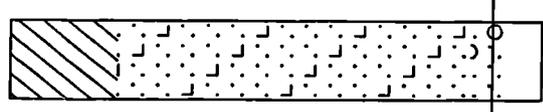
10m

Fig.4.11. Stewart's Folly: Transect 2.

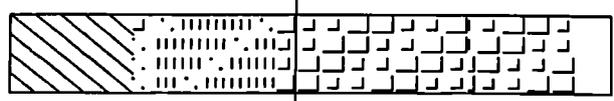
Cone 5



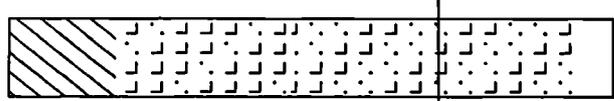
Cone 4



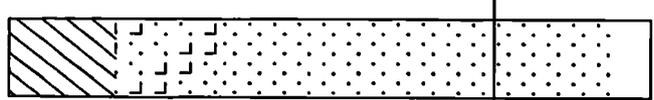
Cone 3



Cone 2



Cone 1



Height (a)

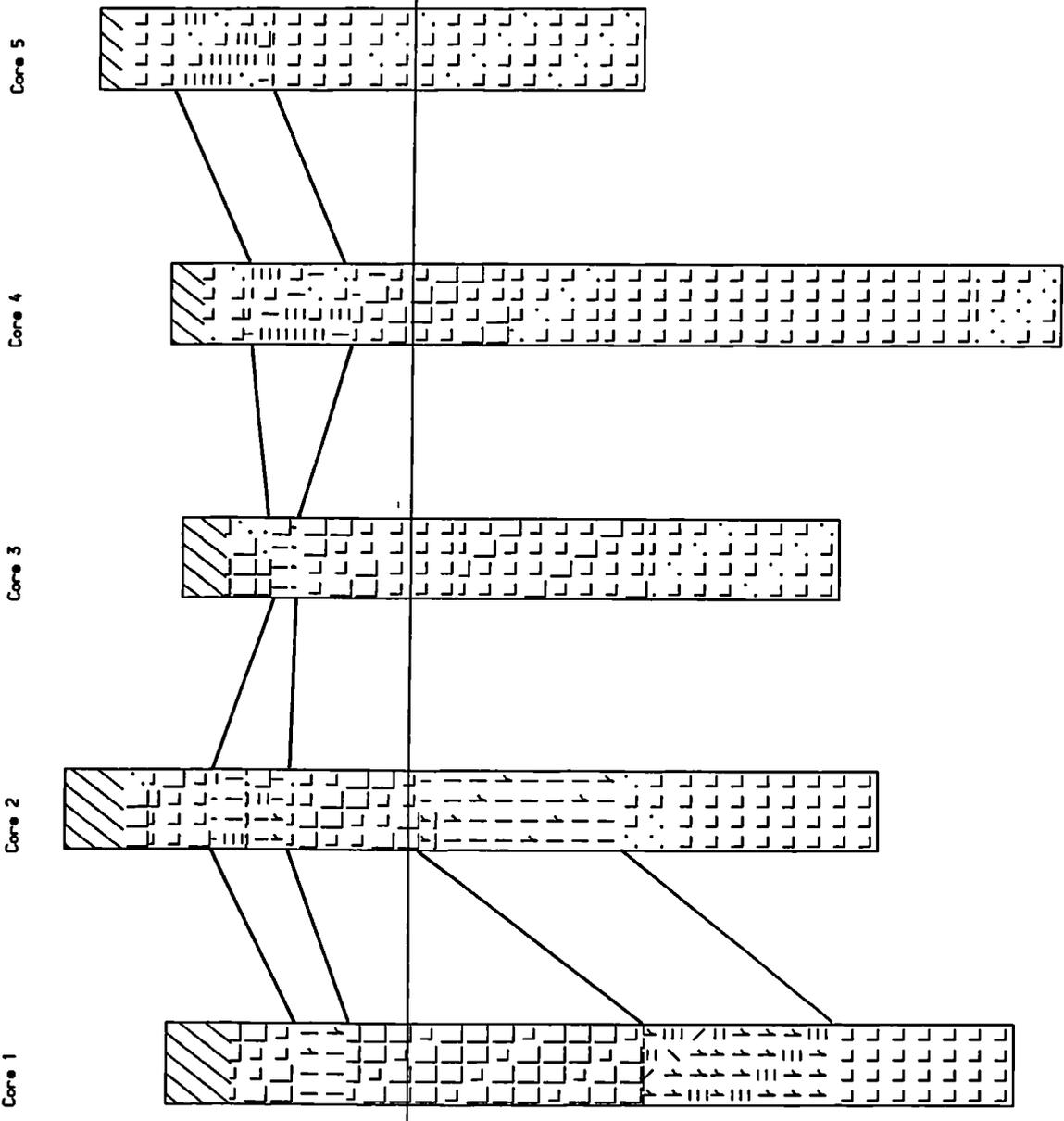
1

d.d.

-1

10

Fig.4.12. Stewart's Folly: Transect 3.



Cone 5

Cone 4

Cone 3

Cone 2

Cone 1

Height (m)

d.d.

10

Fig.4.13. Stewart's Folly: Transect 4.

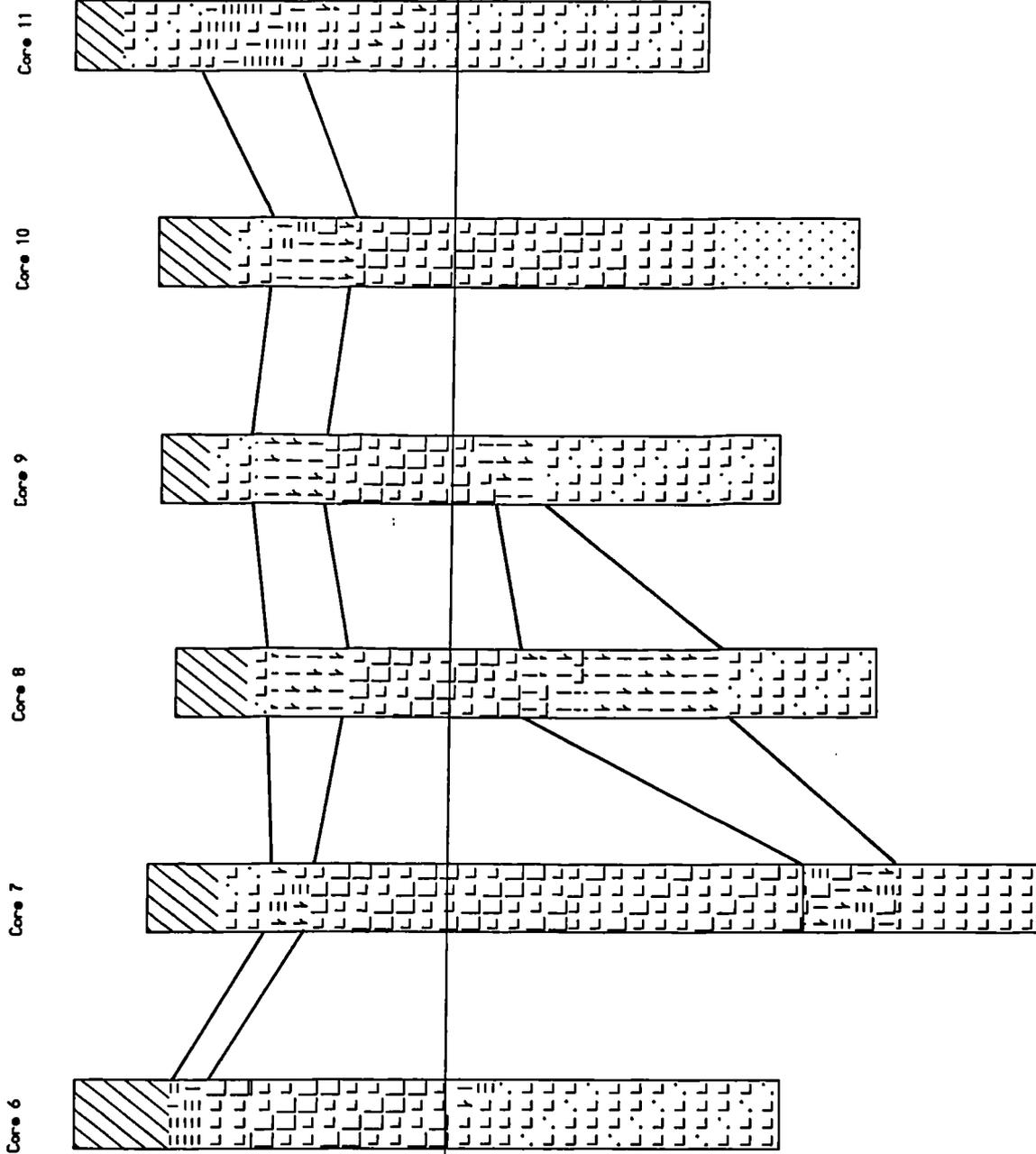


Fig.4.14. Hacklinge and the Lydden Valley: Location Map.

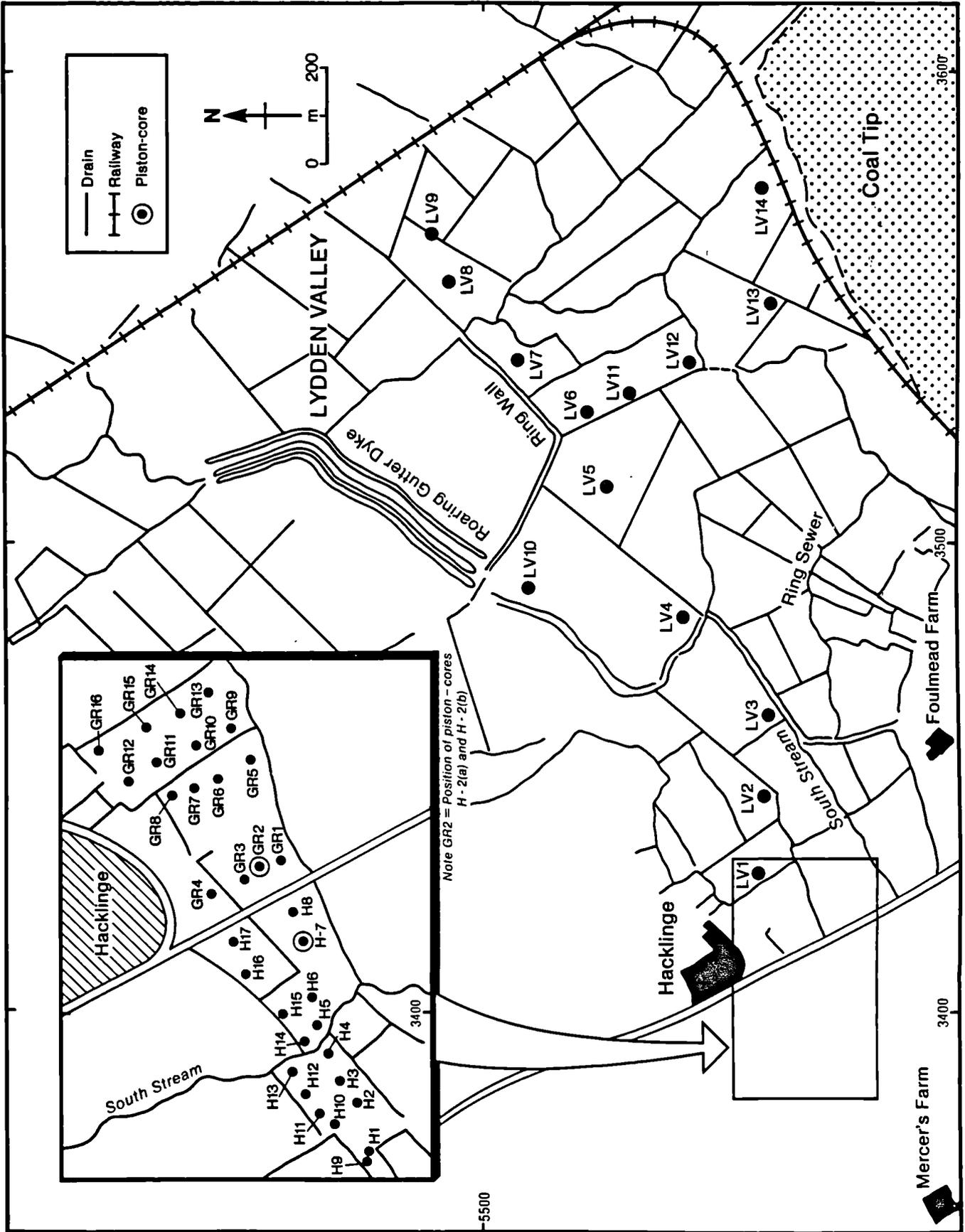


Fig.4.15. Hacklinge: Transect 1.

H1 H2 H3 H4 H5 H6 H7 H8 GR1 GR5 GR9 GR13

Height (m)

0.00

1

2

3

4

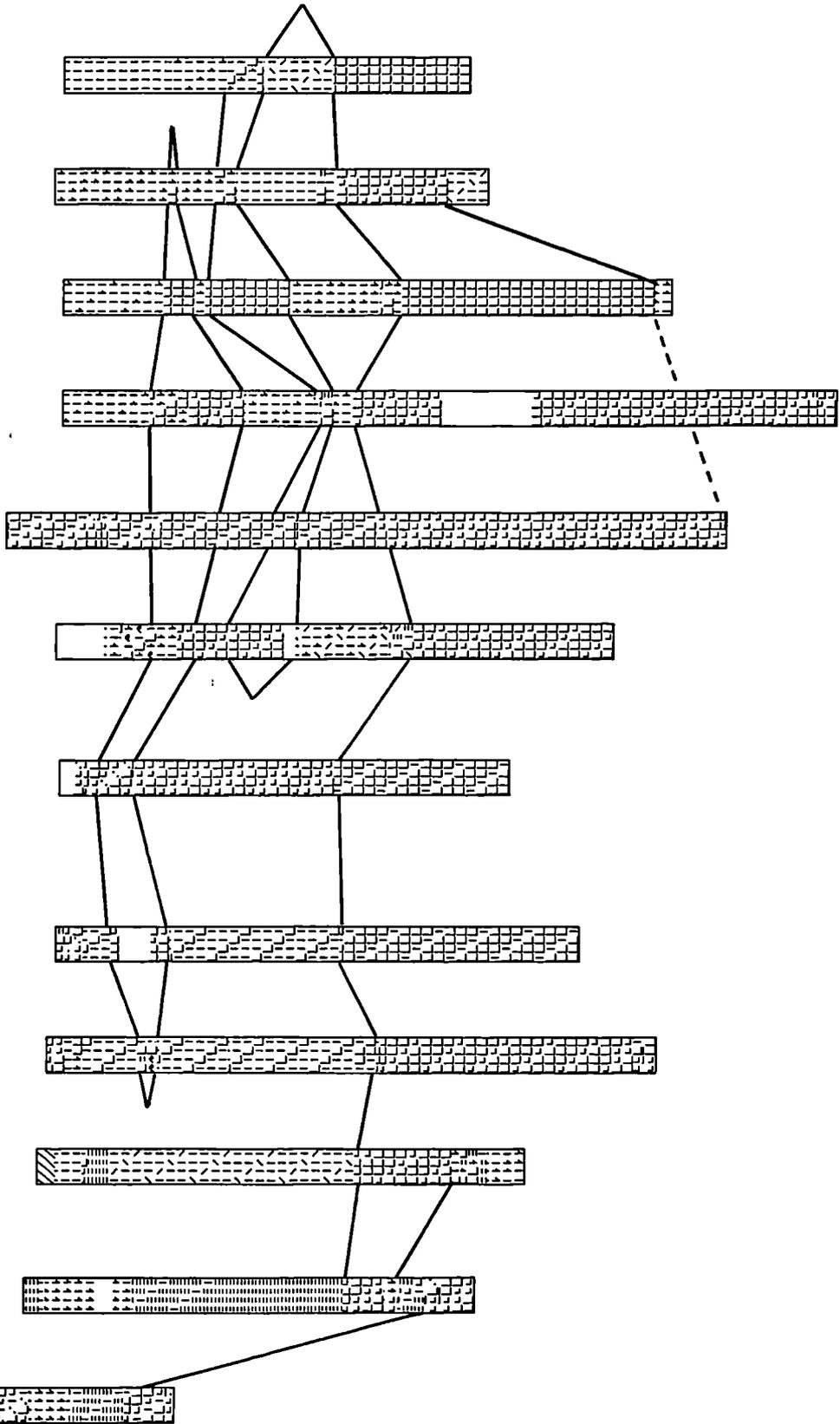
5

6

7

8

9



10m

Fig.4.16. Hacklinge: Transect 2.

10m

GR16
GR12
GR8
GR4
H17
H16
H15
H14
H13
H12
H11
H10
H9

Height (m)

0.00

7

7

7

7

7

7

7

7

7

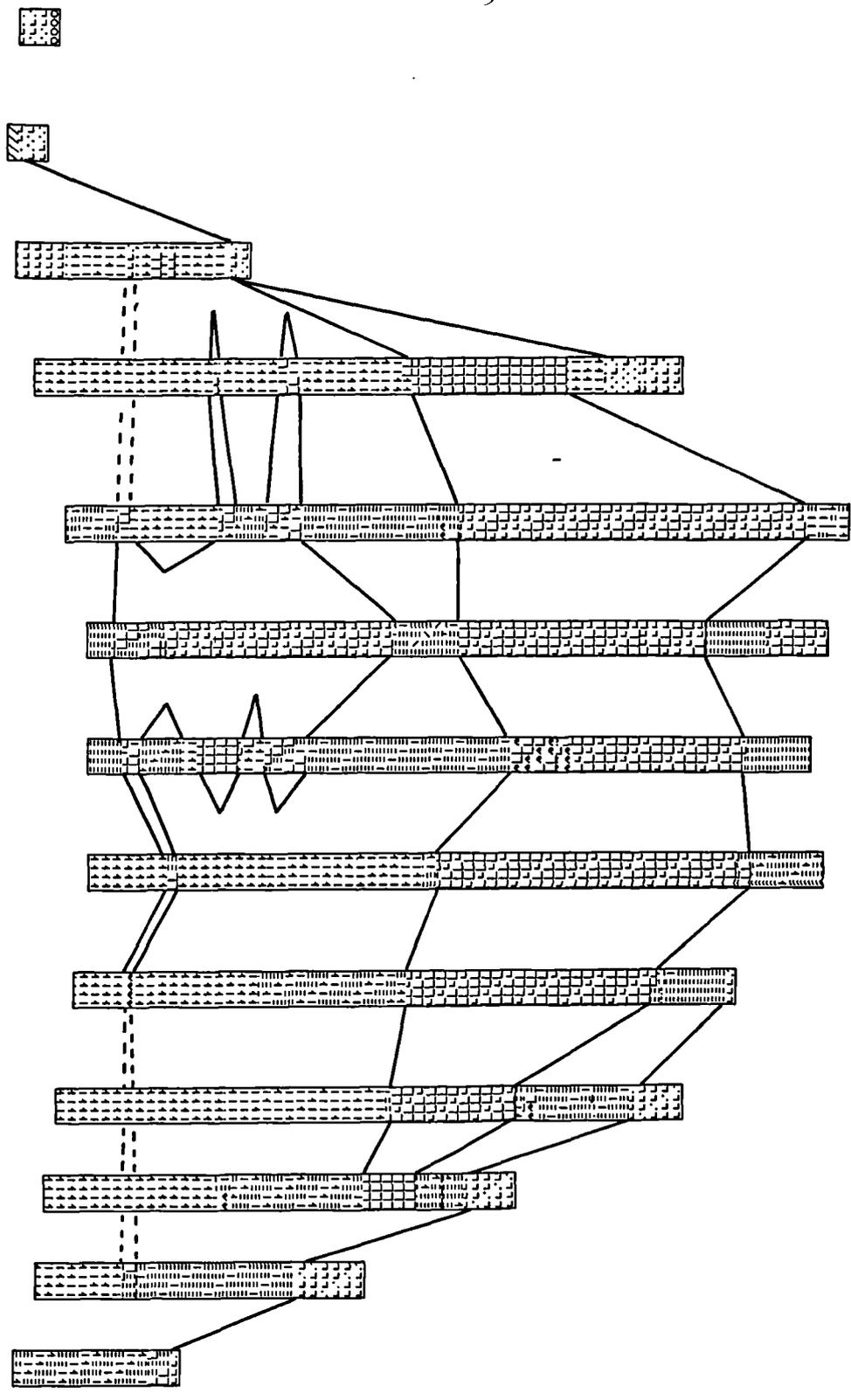
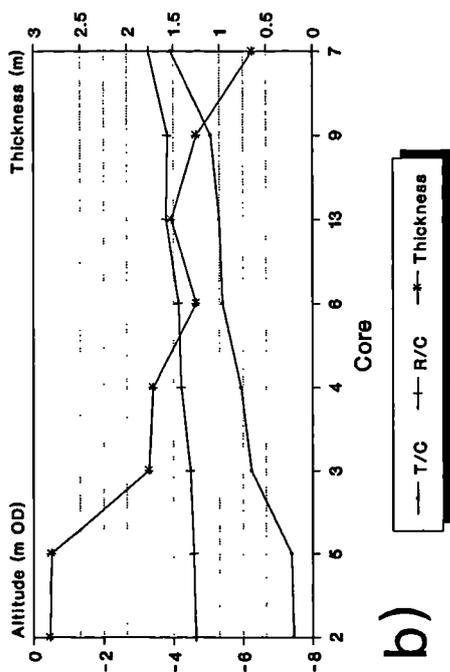
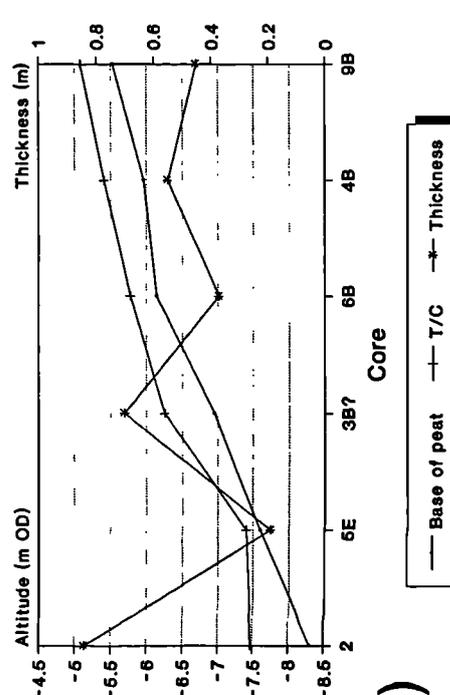


Fig.4.17a-c. Hacklinge: grid of cores, lithostratigraphic data.

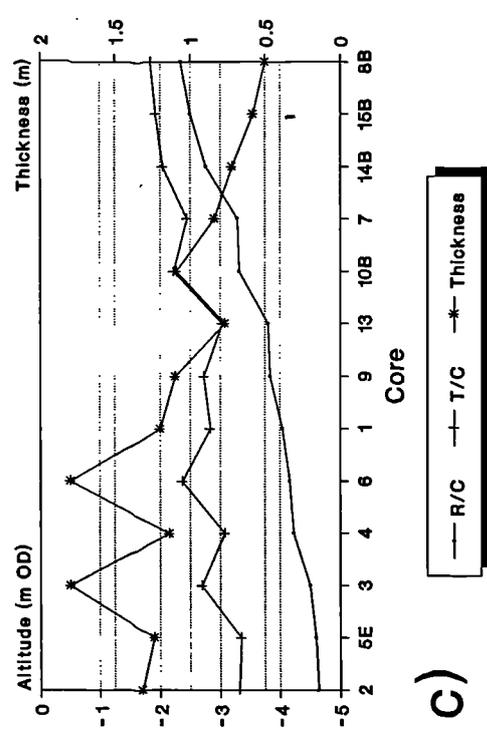
Each plot (a-c) demonstrates the altitude of the regressive (R/C) or transgressive contact (T/C), as well as the thickness of the lithostratigraphic units described in the text.



b)



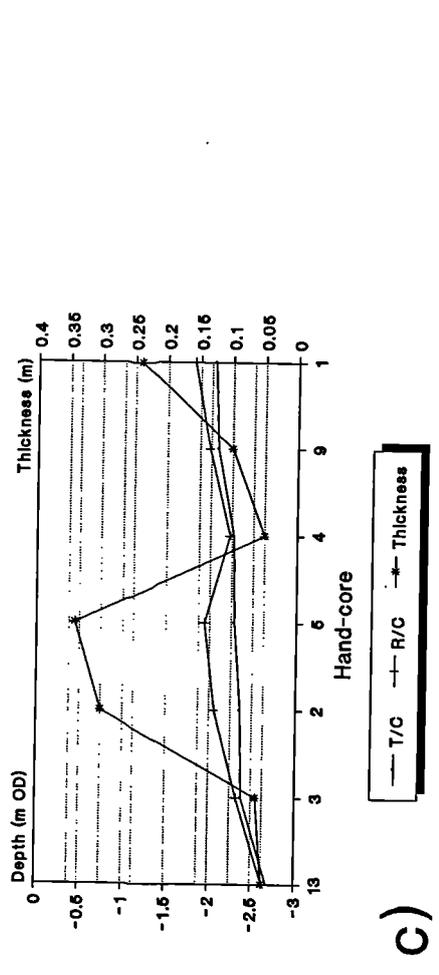
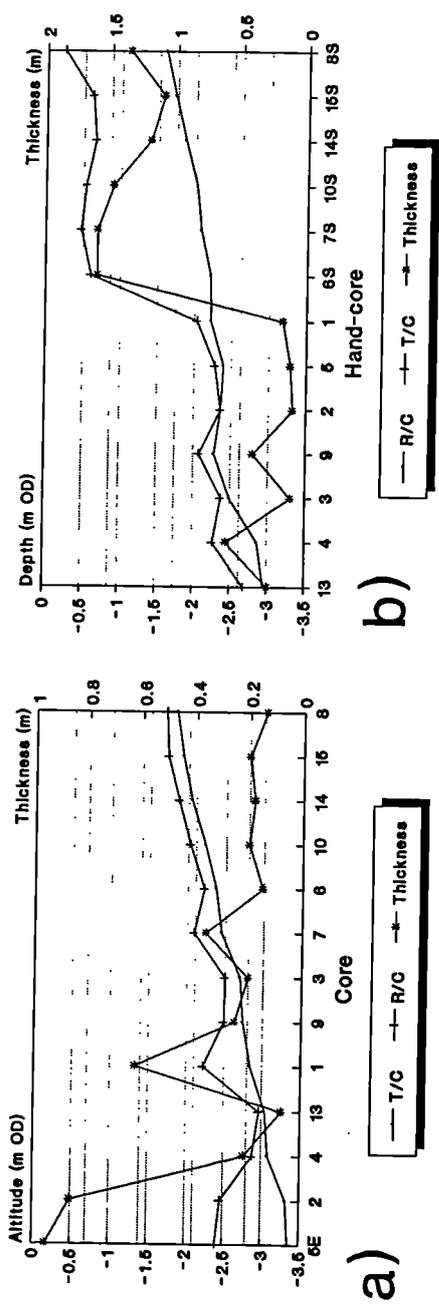
c)



B-Basal, E-Eroded T/C

Fig.4.18a-c. Hacklinge: grid of cores, lithostratigraphic data.

Each plot (a-c) demonstrates the altitude of the regressive (R/C) or transgressive contact (T/C), as well as the thickness of the lithostratigraphic units described in the text.



8-Extends to surface



Fig.4.19. The Lydden Valley: Transect 1.

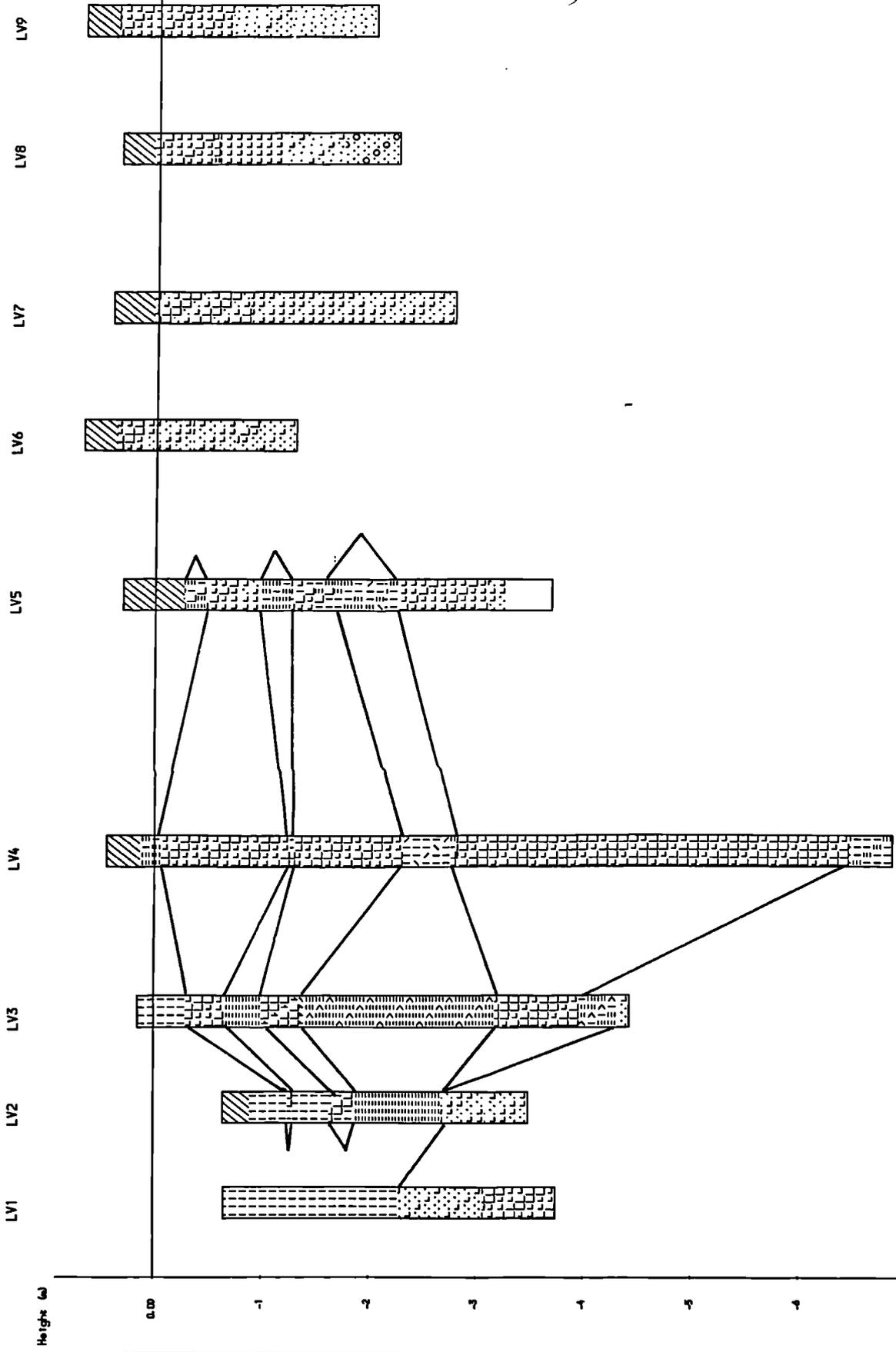


Fig.4.20. The Lydden Valley: Transect 2.

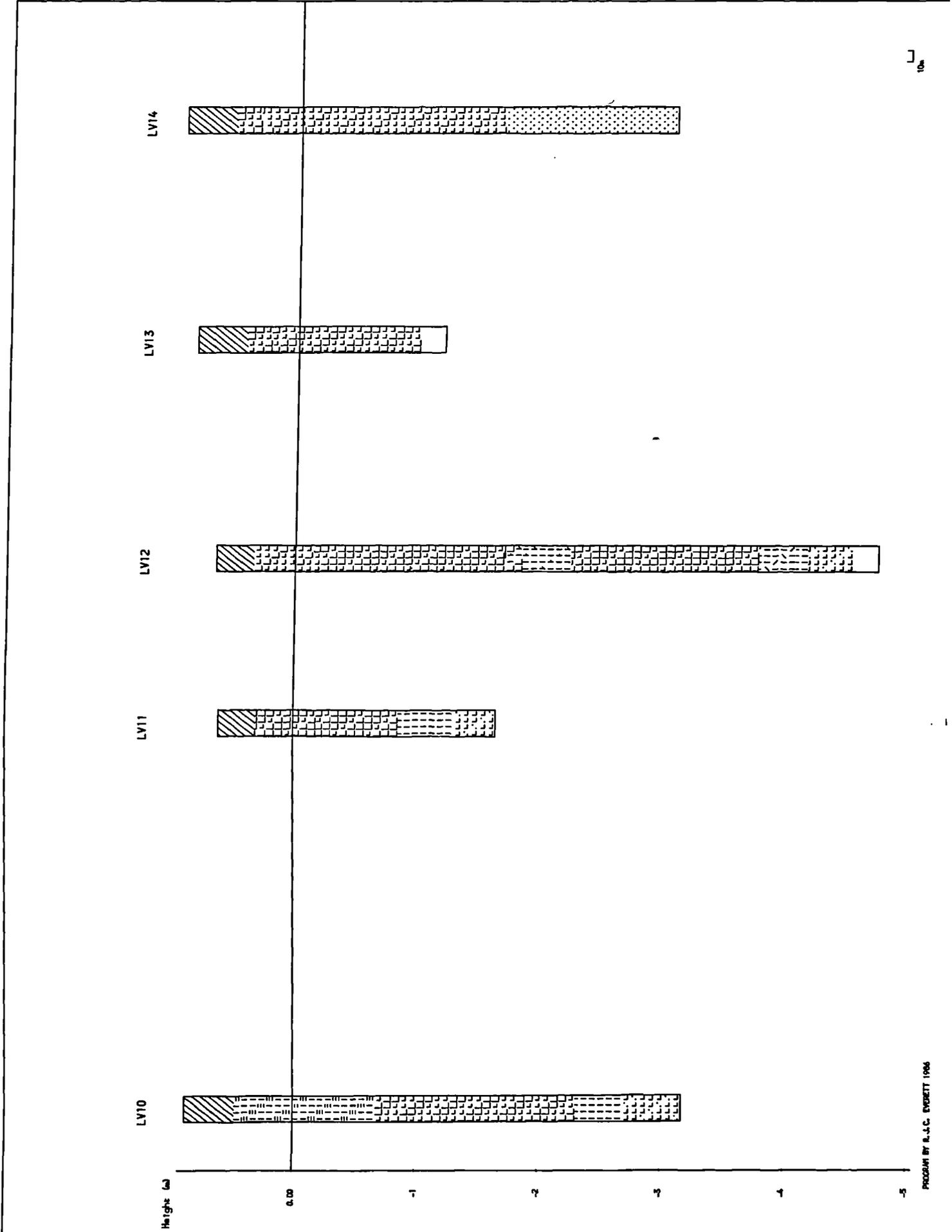


Fig.4.21. Marsh Lane and Sandfield Farm: Location Map.

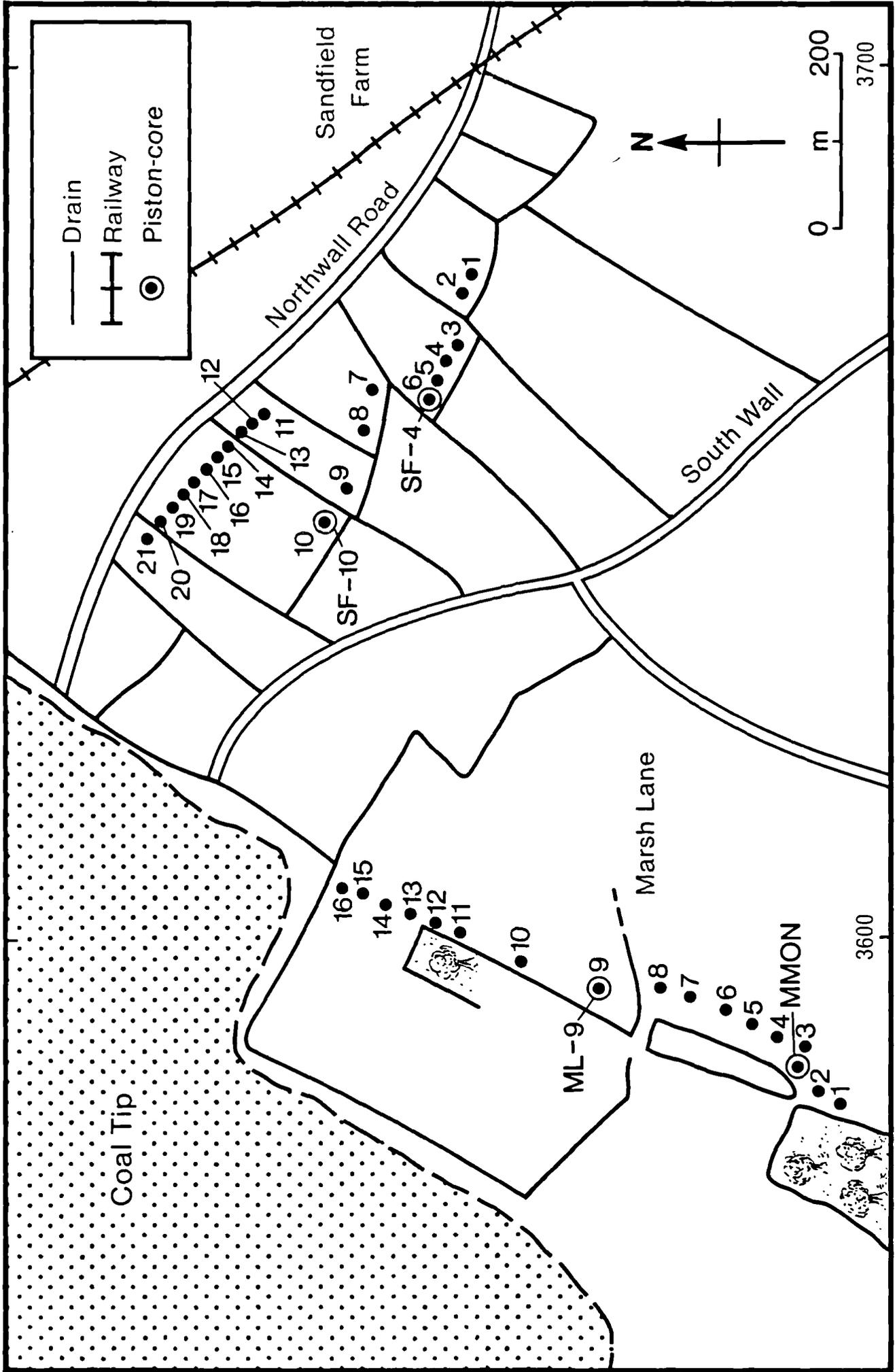


Fig.4.22. Marsh Lane: lithostratigraphy.

Core 1 Core 2 Core 3 Core 4 Core 5 Core 6 Core 7 Core 8 Core 9 Core 10 Core 11 Core 12 Core 13 Core 14 Core 15 Core 16

Height (m)

1 0.8 1 2 2 1 2 2 2 2 2

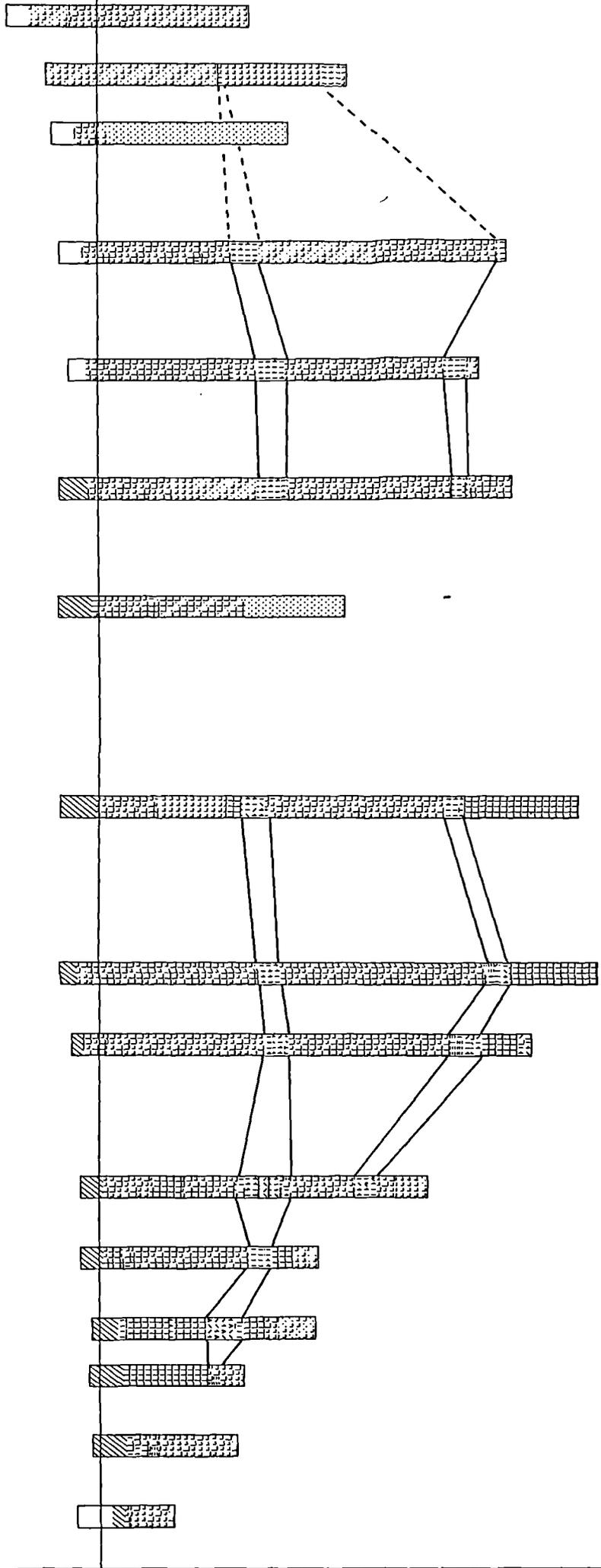
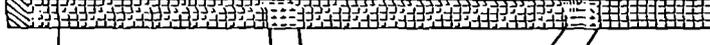
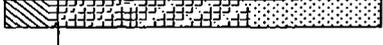
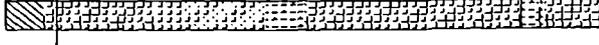
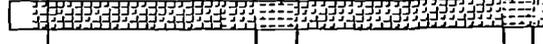
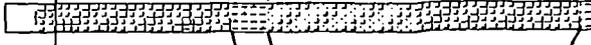
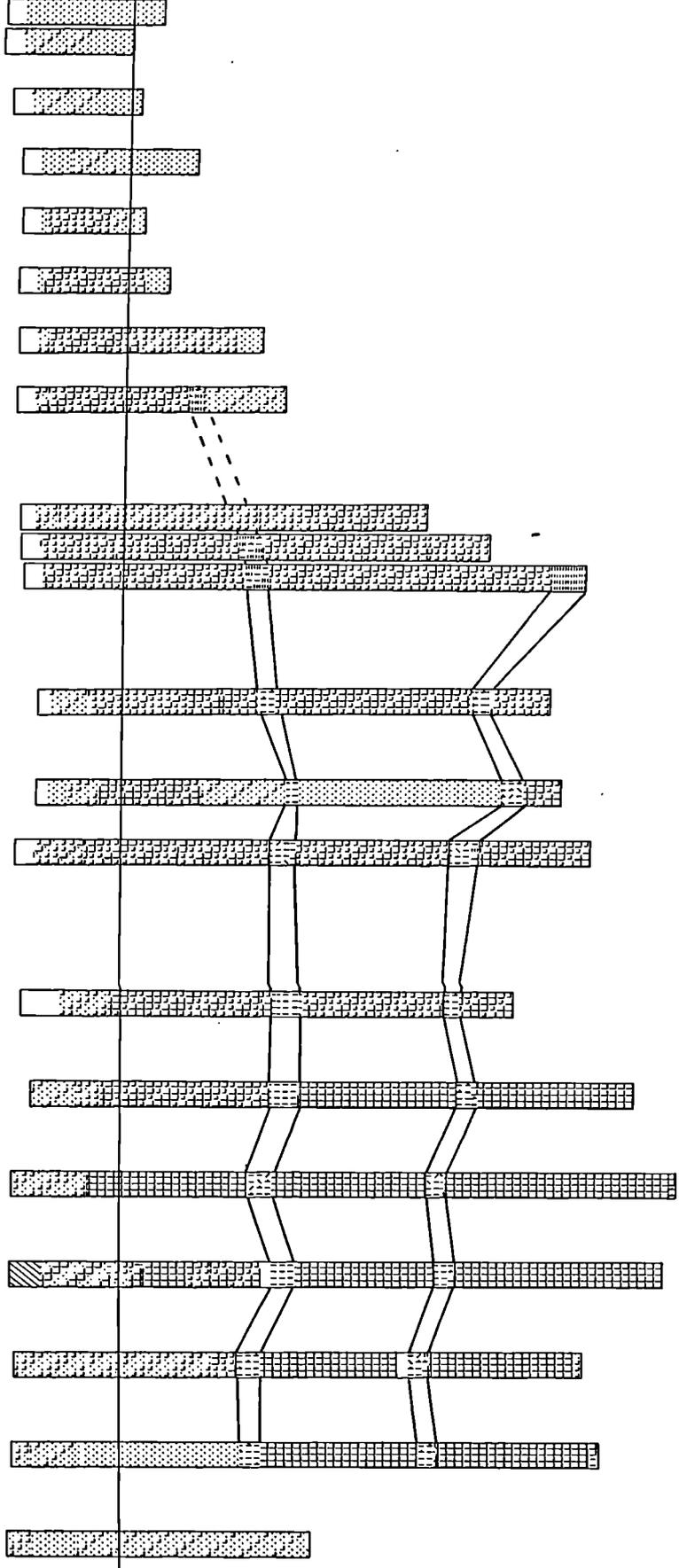


Fig.4.23. Sandfield Farm: lithostratigraphy.

Cone 1
Cone 2
Cone 3
Cone 4
Cone 5
Cone 6
Cone 7
Cone 8
Cone 9
Cone 10
11 12 13
Cone 14
Cone 15
Cone 16
Cone 17
Cone 18
Cone 19
Cone 20
Cone 21

Height in
feet



U.S.G.C. ENERGY / 1986

PREPARED BY U.S.G.C. ENERGY / 1986

Fig.4.24. Location of seismic lines in the Hacklinge/Deal area.

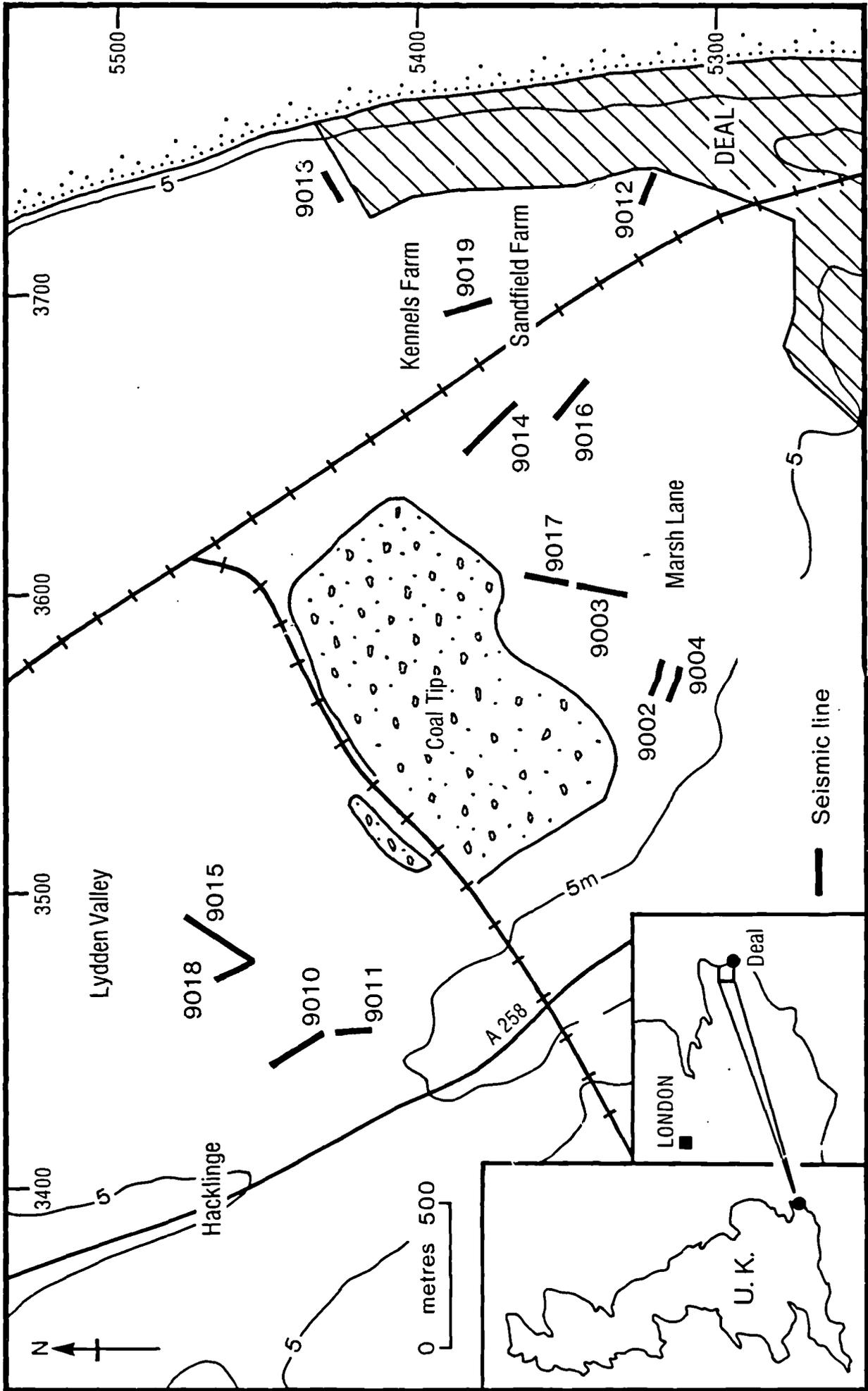
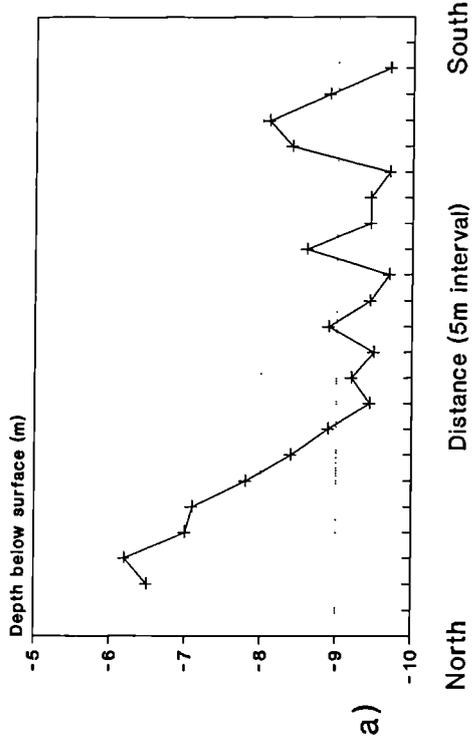


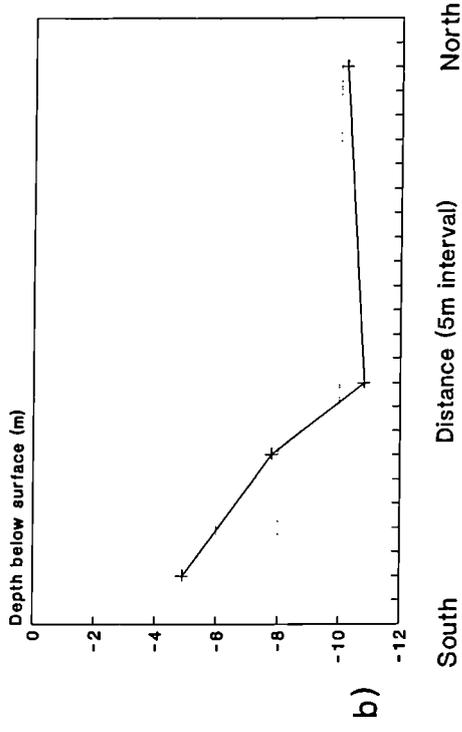
Fig.4.25a-d. Seismic depth profiles.

Line 9010



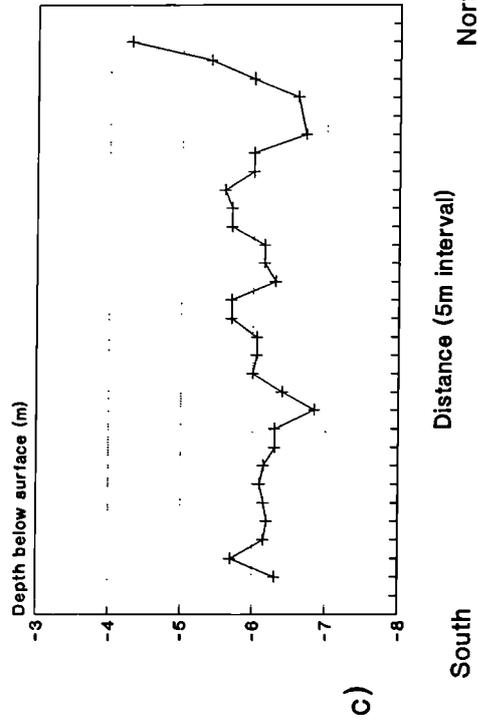
a)

Line 9011



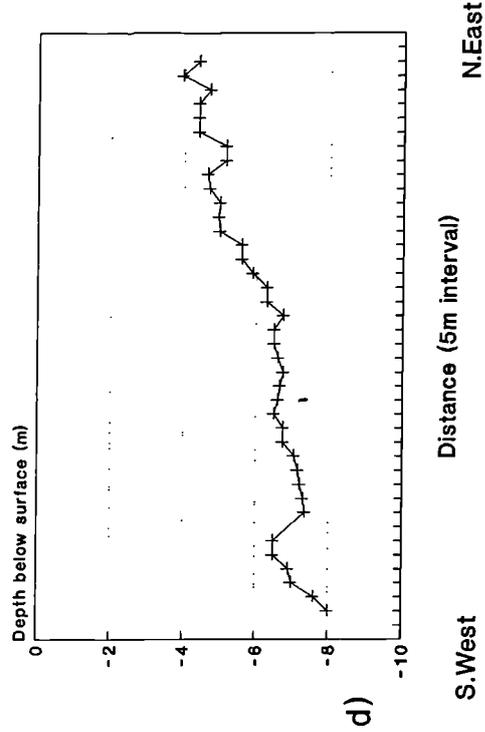
b)

Line 9018



c)

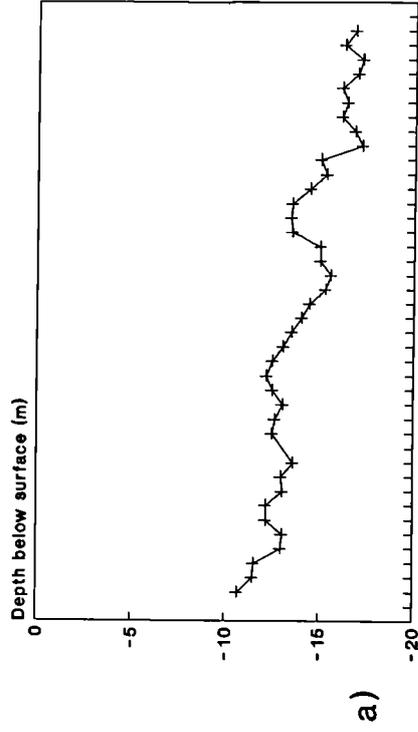
Line 9105



d)

Fig.4.26a-d. Seismic depth profiles.

Line 9003



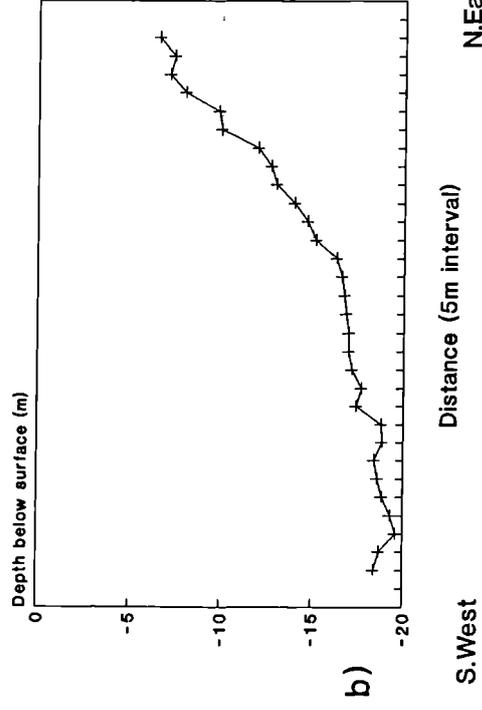
a)

S.West

Distance (5m interval)

N.East

Line 9017



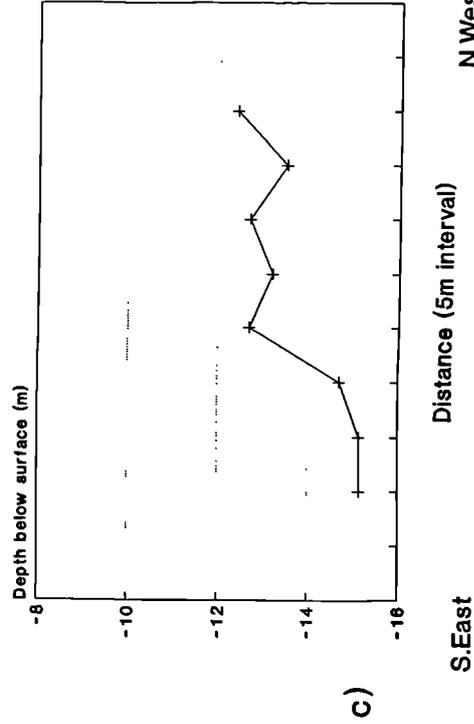
b)

S.West

Distance (5m interval)

N.East

Line 9016



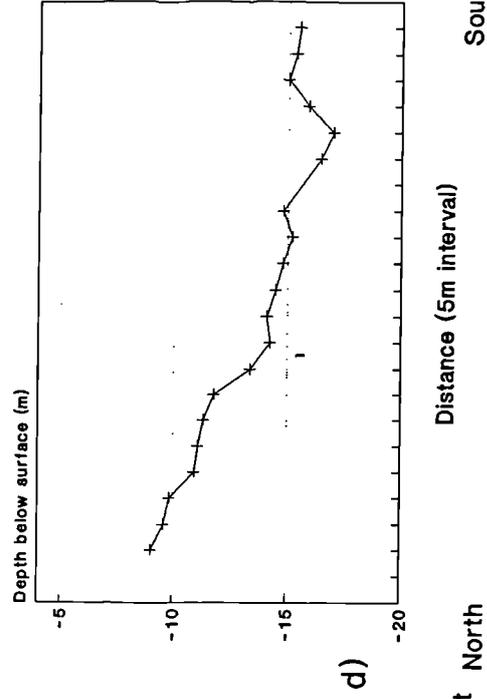
c)

S.East

Distance (5m interval)

N.West

Line 9019



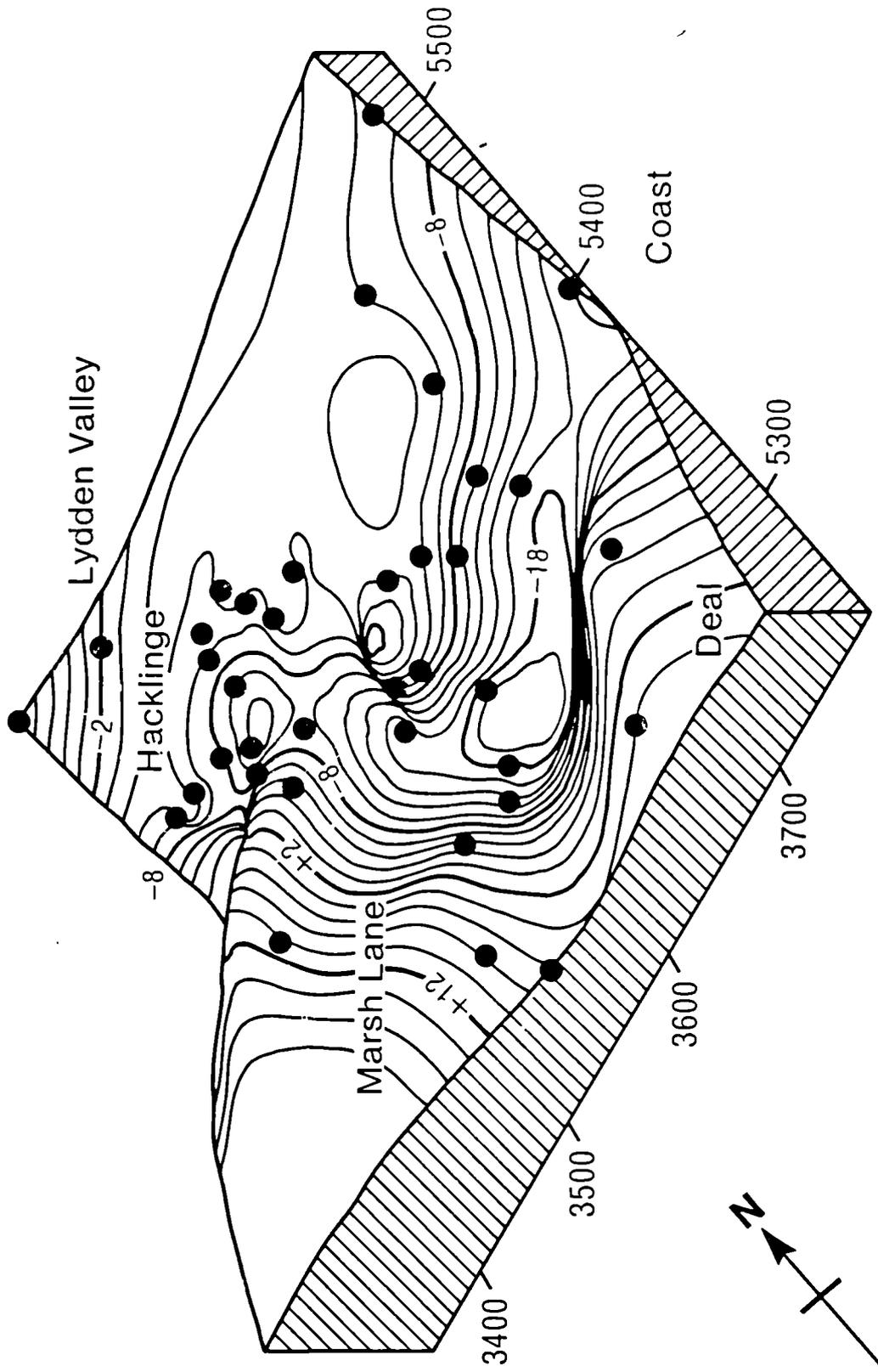
d)

North

Distance (5m interval)

South

Fig.4.27. A first approximation of the form of the pre-Holocene surface in the Hacklinge/Deal area.



Data sources : Hand coring, seismic data and spot height data.

Fig.5.1. SF-10 Pollen analysis**Lower organic deposit -5.81m to -5.53m OD****Radiocarbon dates:****1 = 5975 ± 75 2 = 5655 ± 150 3 = 5550 ± 110** **Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.2. SF-10 Pollen analysis**Upper organic deposit - 2.38m to -1.91m OD.****Radiocarbon dates:****1 = 4640 ± 110 2 = 4135 ± 110 3 = 4020 ± 70** **Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.3. SF-4 Pollen analysis**Upper organic deposit - 2.96m to -2.52m OD.****Pollen counts expressed as %TLP -****Depth = cm below Ordnance Datum**

Fig.5.4. ML-9 Pollen analysis**Lower organic deposit -6.41m to -6.05m OD.****Radiocarbon dates:****1 = 5765 ± 150 2 = 5825 ± 80 3 = 5290 ± 75** **Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.5. ML-9 Pollen analysis

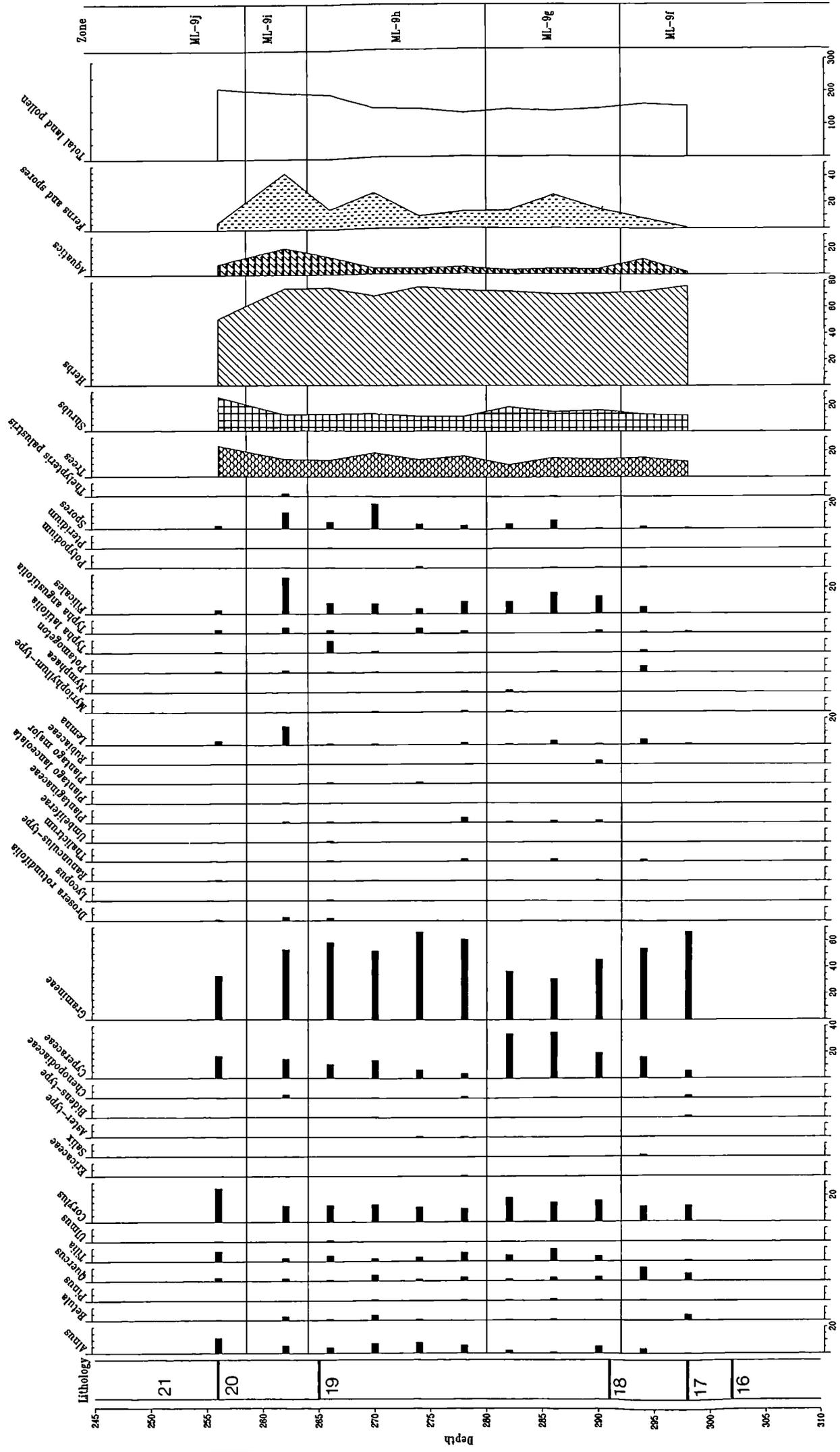
Upper organic deposit -3.02m to -2.56m OD.

Radiocarbon dates:

1 = 3900 ± 200 2 = 4105 ± 130

Pollen counts expressed as %TLP

Depth = cm below Ordnance Datum



2 |

1 |

Fig.5.6. MMON Pollen analysis**-2.32m to -1.64m OD.****Radiocarbon dates:****1 = 4570 ± 140 2 = 3980 ± 140 3 = 3550 ± 140** **Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.7. H-7 Pollen analysis**Upper organic deposit -4.76m to -1.33m OD.****Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.8. H-2(a) Pollen analysis**Lower organic deposit -8.93 to -7.50m OD.****Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.9. H-2(a) Pollen analysis**Upper organic deposit -4.87m to -0.86m OD.****Pollen counts expressed as %TLP****Depth = cm below Ordnance Datum**

Fig.5.10. SF-10 Diatom analysis

Lower inorganic deposit -6.18m to -5.80m OD.

Diatom counts expressed as %TV

Depth = cm below Ordnance Datum

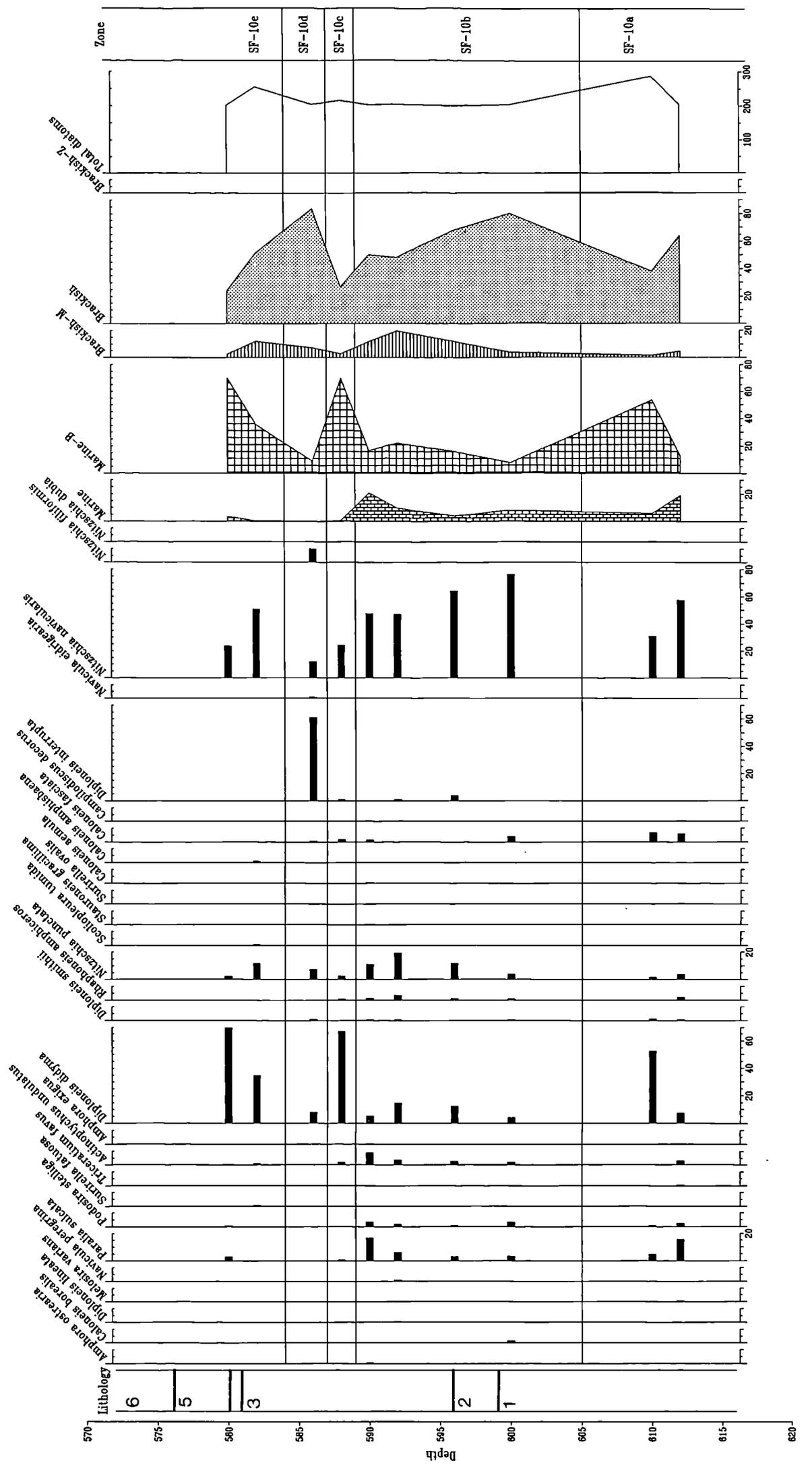


Fig.5.11. SF-10 Diatom analysis

Middle inorganic deposit -5.53m to -2.38m OD.

Diatom counts expressed as %TV

Depth = cm below Ordnance Datum

Fig.5.12. SF-10 Diatom analysis

Upper inorganic deposit -1.91m to +1.34m OD.

Diatom counts expressed as %TV

Depth = cm below Ordnance Datum

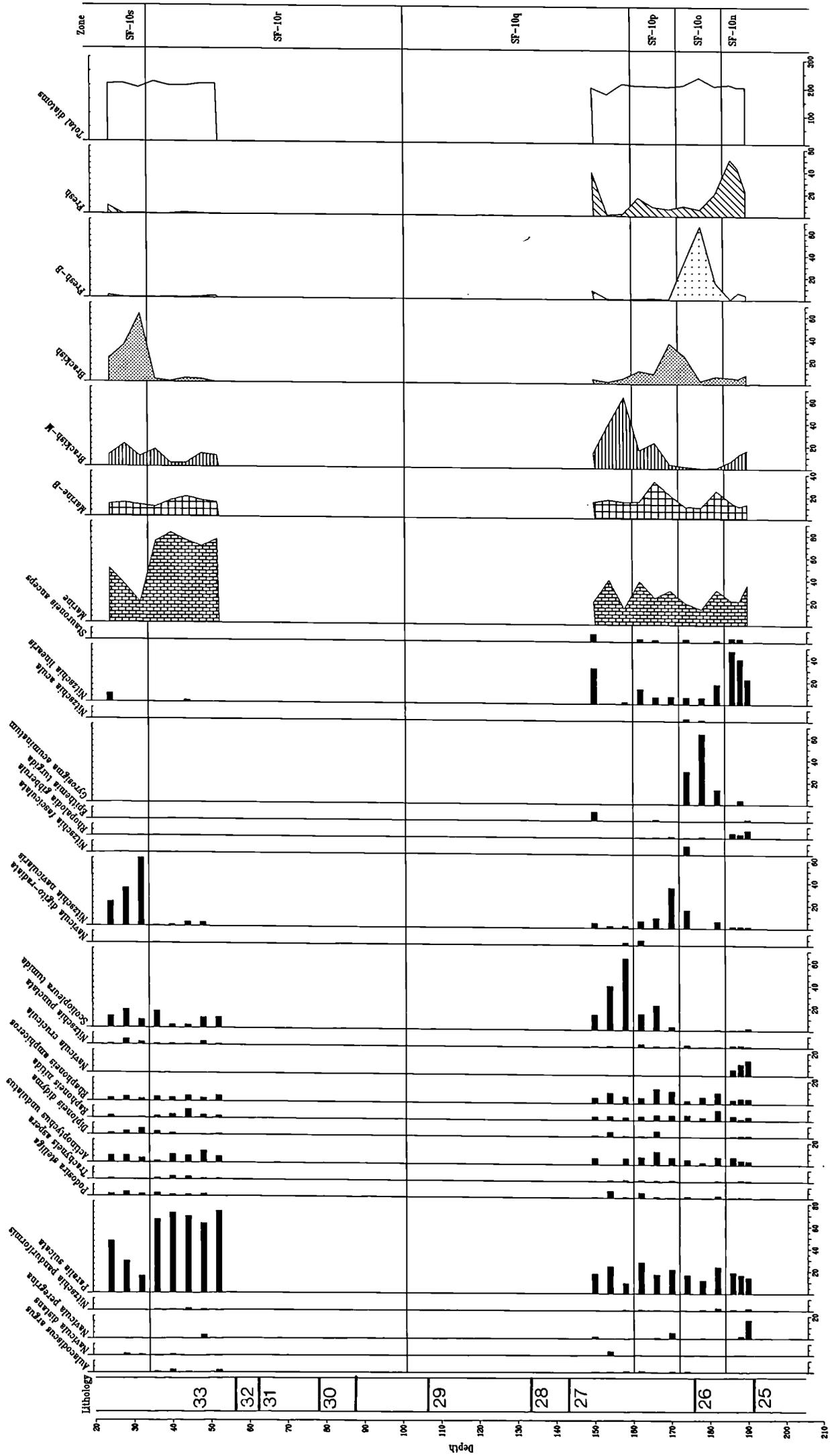
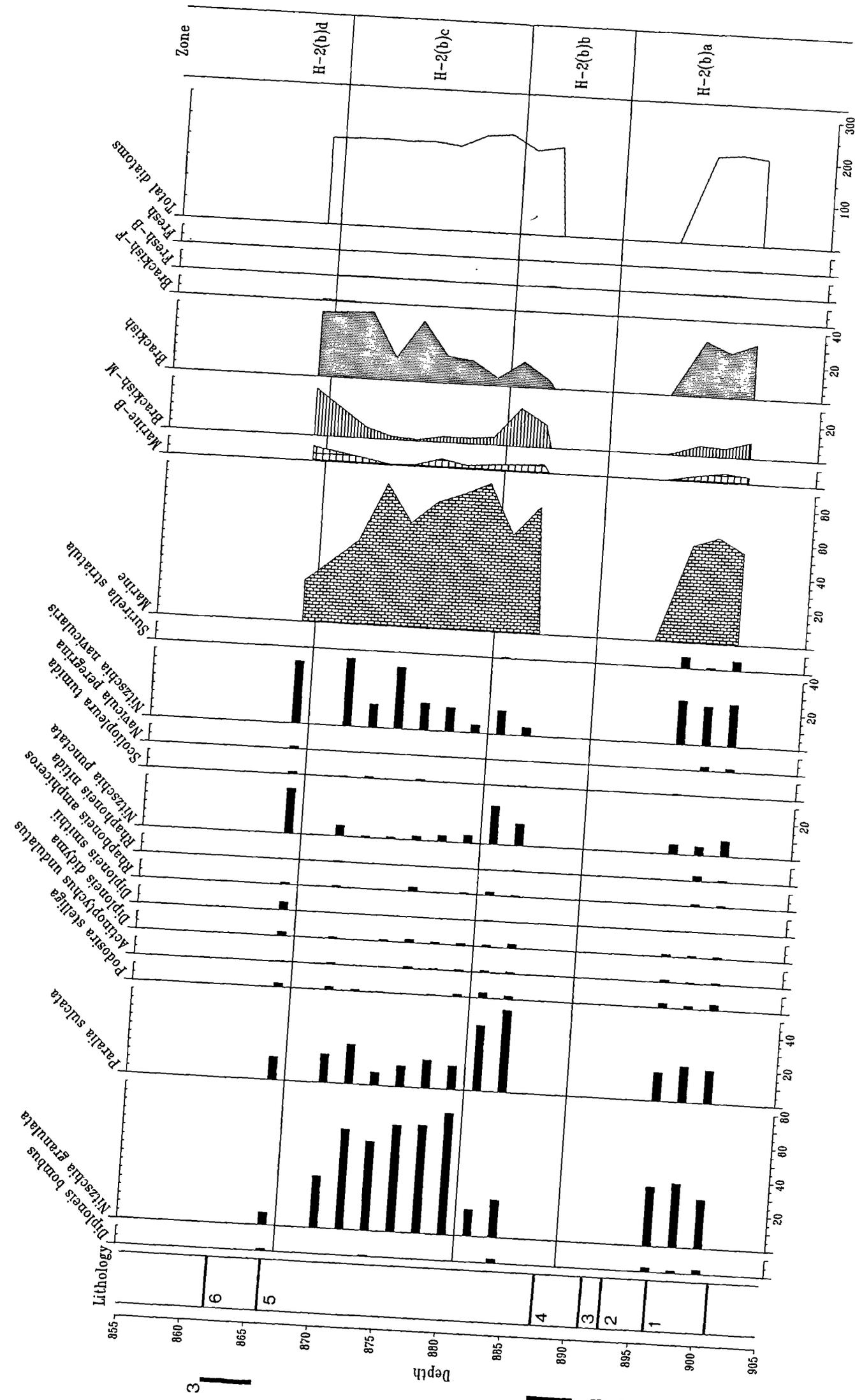


Fig.5.13. H-2(b) Diatom analysis**Lower inorganic deposit -9.01m to -8.66m OD.****Radiocarbon dates:****1 = 6250 ± 175 2 = 6450 ± 170 3 = 6445 ± 105** **Diatom counts expressed as %TV****Depth = cm below Ordnance Datum**



3 | 1 | 2 | 1 | 1 | 1

Depth

895
890
885
880
875
870
865
860
855

Lithology
Diploëis boribius
Nitzschia granulata

Paralia sulcata

Podocira stelleri
Actinocyclus unaluticus
Diploëis diadema

Rhapsomies smithii
Rhapsomies amphicerus
Nitzschia punctata

Scolopieira tumida
Navicula peregrina
Nitzschia navicularis

Surtirella striatula

Marine
Marine-B
Brackish-M
Brackish

Brackish-F
Fresh-B
Brackish-F
Fresh-B

Total diatoms

Zone

H-2(b)a
H-2(b)b
H-2(b)c
H-2(b)d

300
200
100

Fig.5.14. H-2(b) Diatom analysis**Middle inorganic deposit -7.56m to -4.75m OD.****Radiocarbon dates:****1 = 4890 ± 130** **Diatom counts expressed as %TV****Depth = cm below Ordnance Datum**

Fig.5.15. H-2(b) Diatom analysis

Upper inorganic deposit -3.42m to -2.38m OD.

Radiocarbon dates:

1 = 3905 ± 205 2 = 2400 ± 230

Diatom counts expressed as %TV

Depth = cm below Ordnance Datum

Fig.5.16. H-2(a) Elemental analysis (bulk samples)

-9.27m to -7.46m OD.

Units mg/100g soil equivalent

Depth = cm below OD

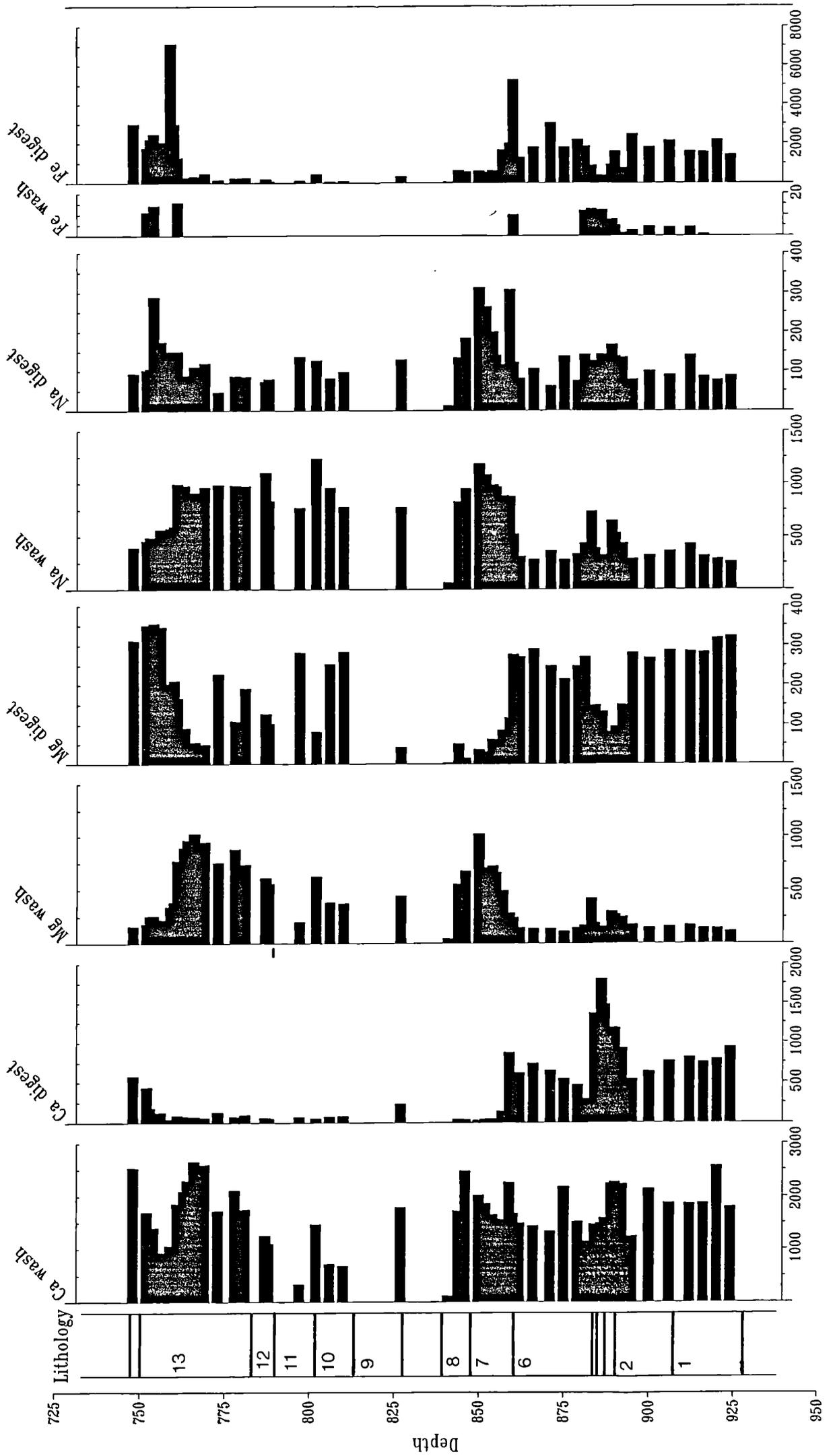


Fig.5.17. H-2(a) Elemental analysis (bulk samples)

-5.02m to -2.31m OD.

Units mg/100g soil equivalent

Depth = cm below OD

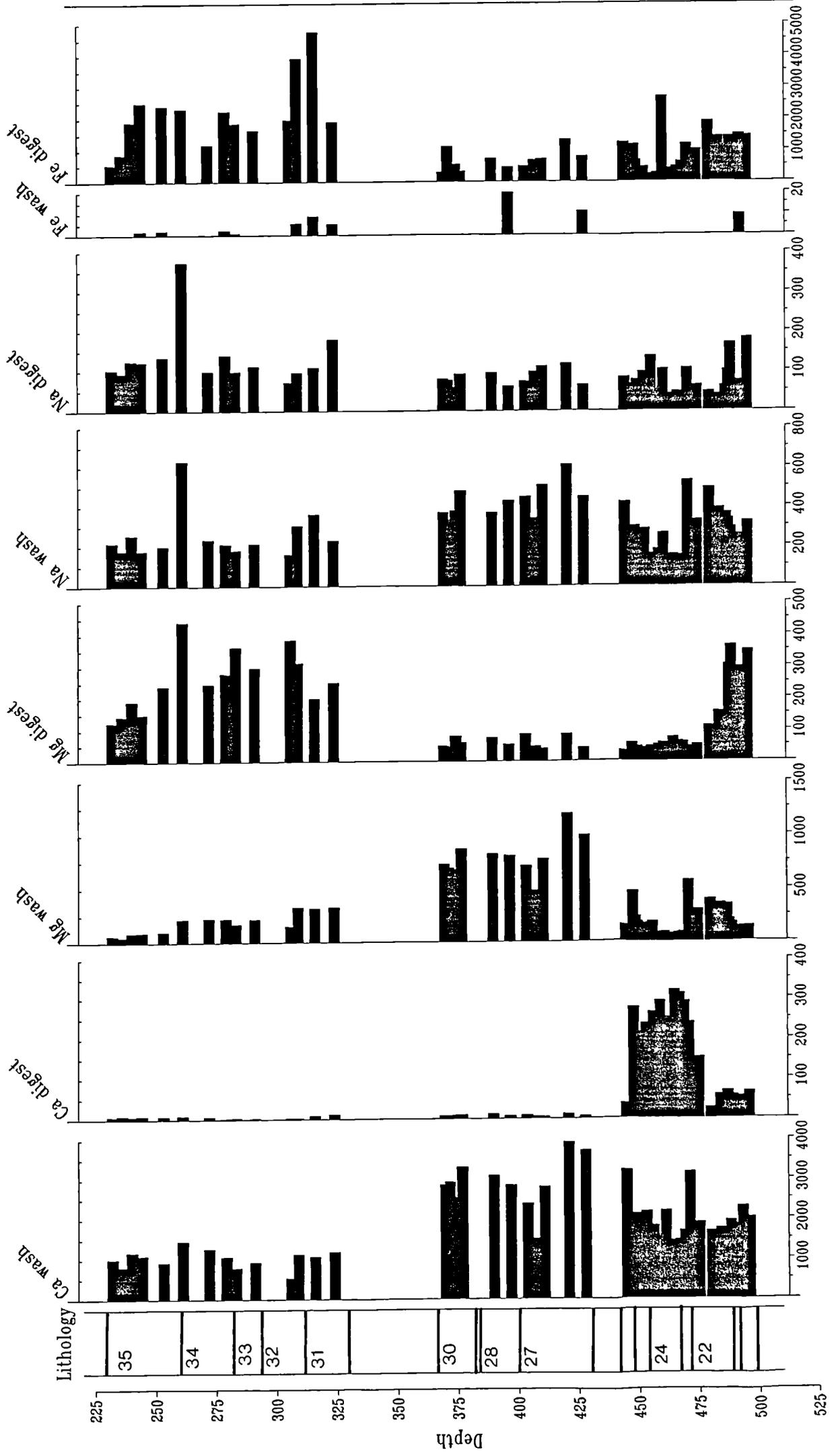


Fig.5.18. H-2(a) Elemental analysis (Phragmites)**-7.97m to -7.46m OD.****Units mg/100g soil equivalent****Depth = cm below OD.**

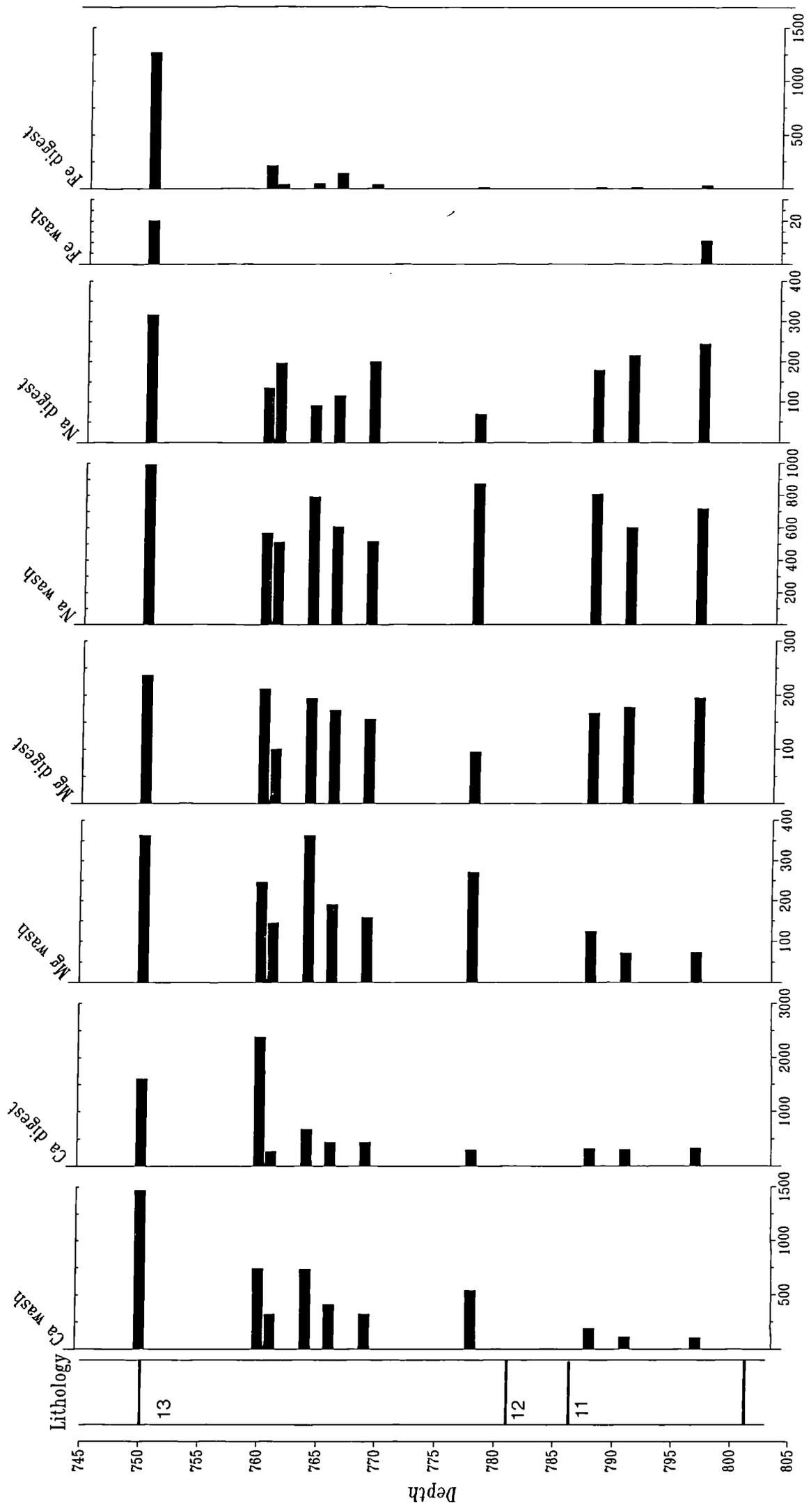


Fig.5.19. H-2(a) Elemental analysis (Phragmites)

-5.02m to -2.31m OD.

Units mg/100g soil equivalent (Ca mg/10g soil equivalent)

Depth = cm below OD.

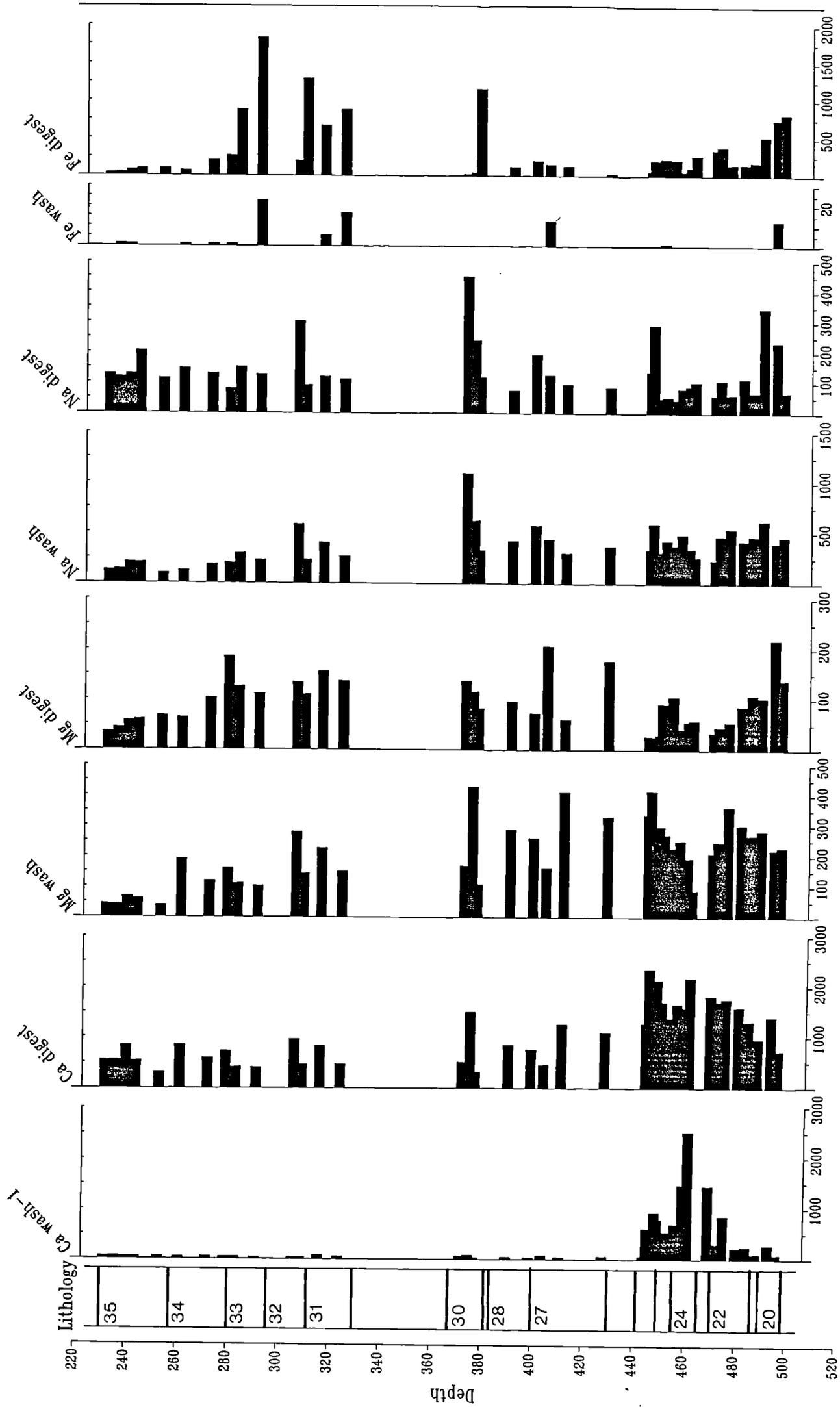


Fig.6.1.

Watertable movements

Victoria Park, Deal

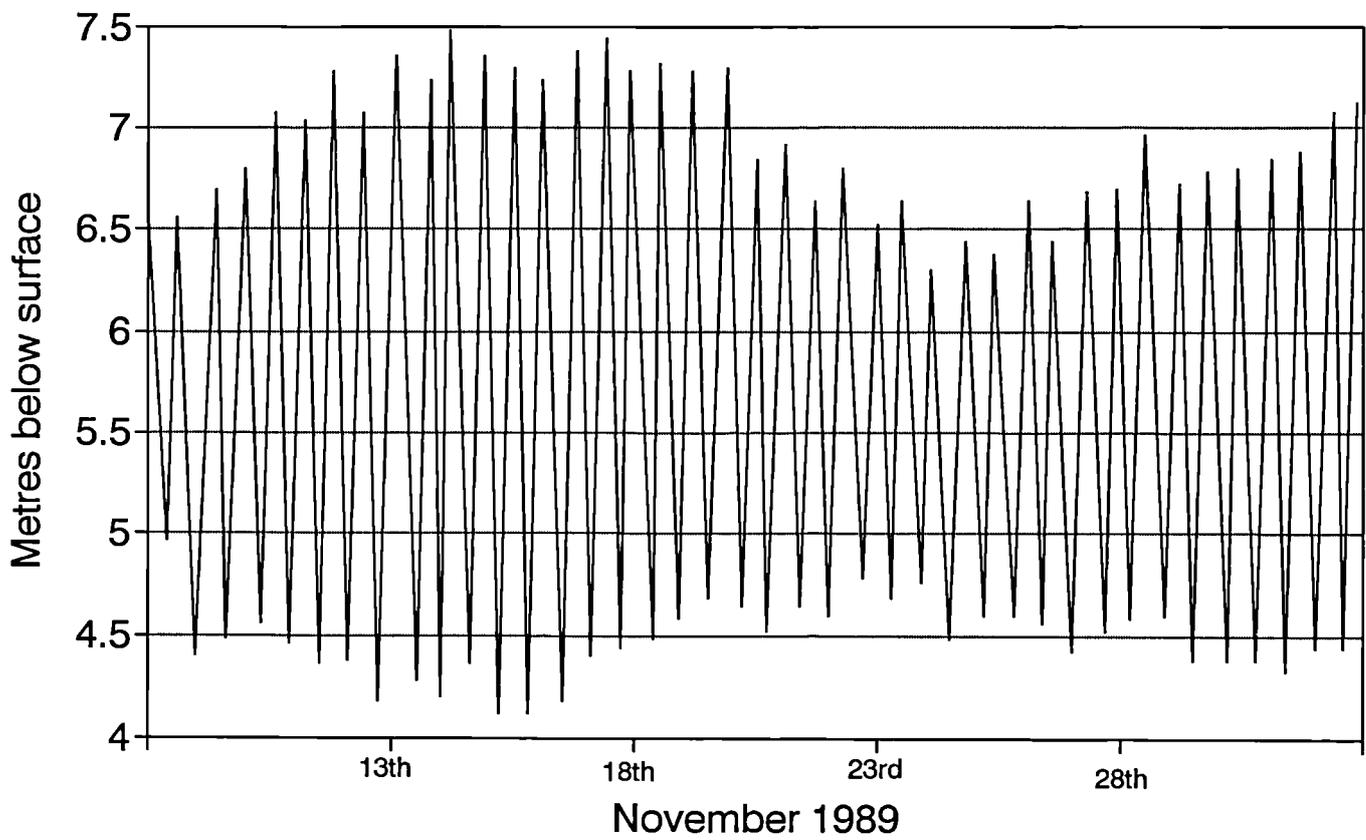


Fig.6.2. A simple model of freshwater/saltwater interface.

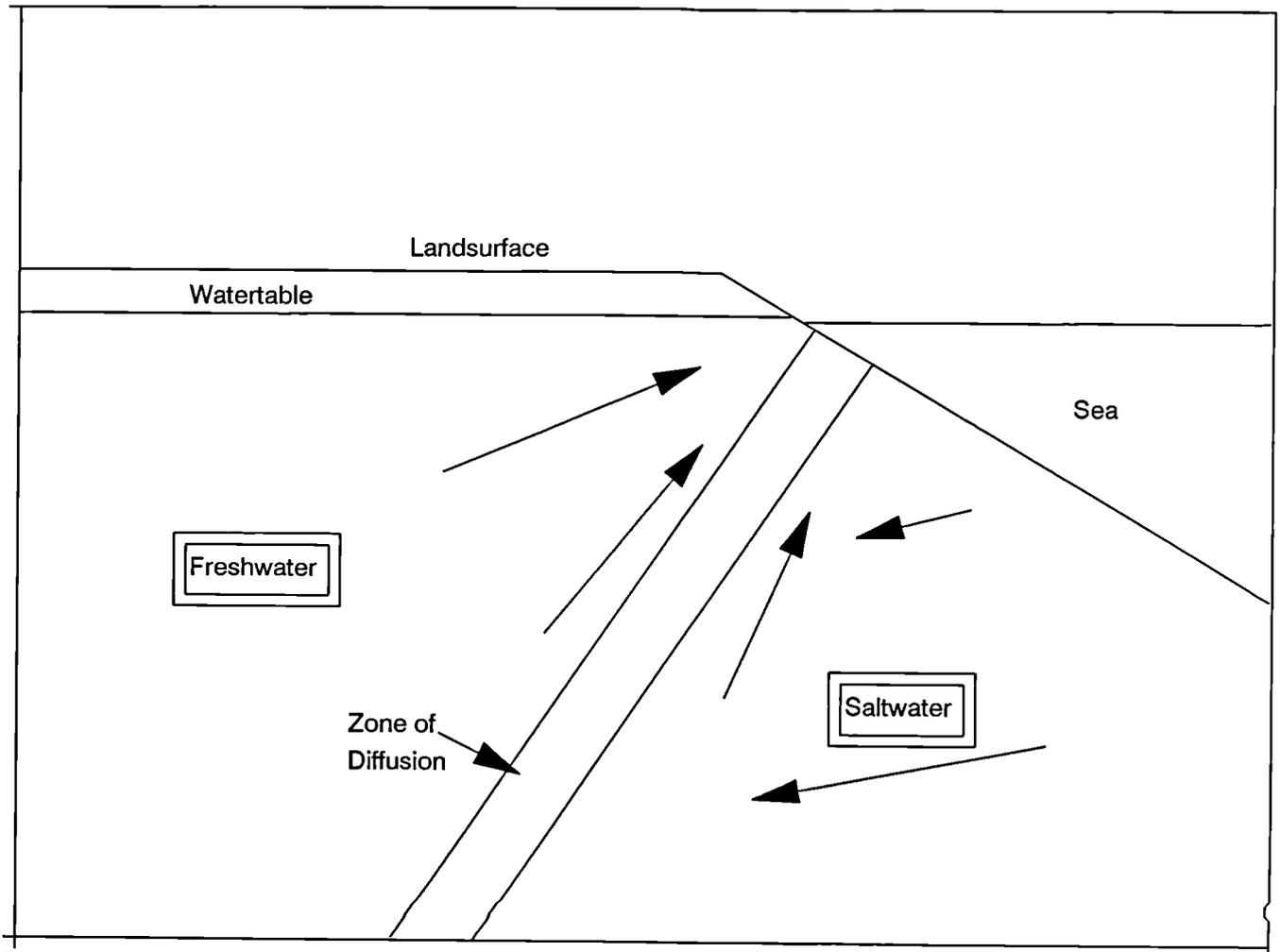


Fig.7.1. Inter-site comparison of LAZs in the East Kent Fens.

(a) (b) (c) (d) (e) (f) (g) (h) (i)
 SF-10 SF-4 ML-9 MMON H-7 H-2(a) SF-10 H-2(b)

¹⁴C Years BP

+ P - + P - + P - + P - + P - + P - + D - + D -

+ -

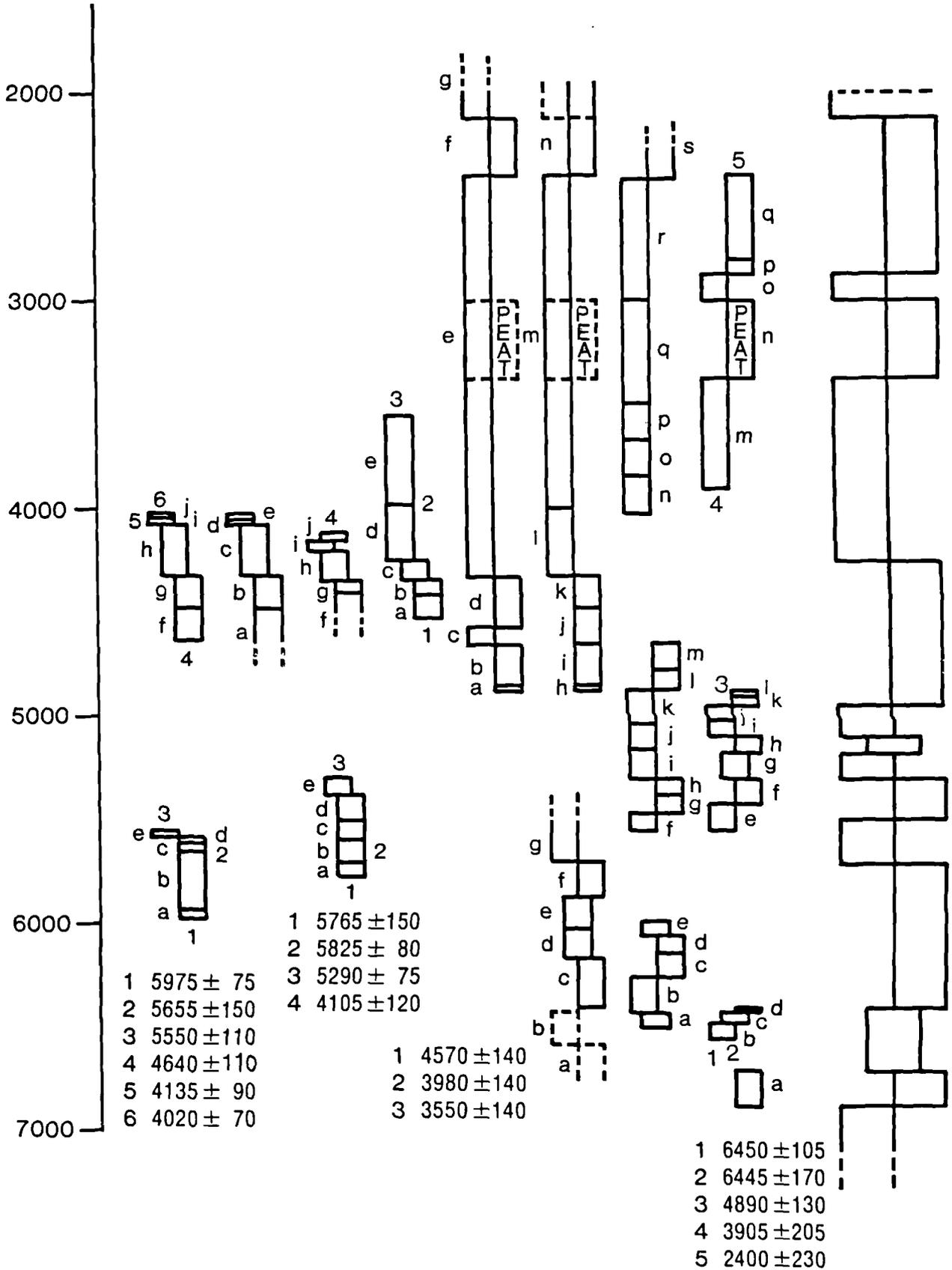


Fig.8.1.

Eustasy

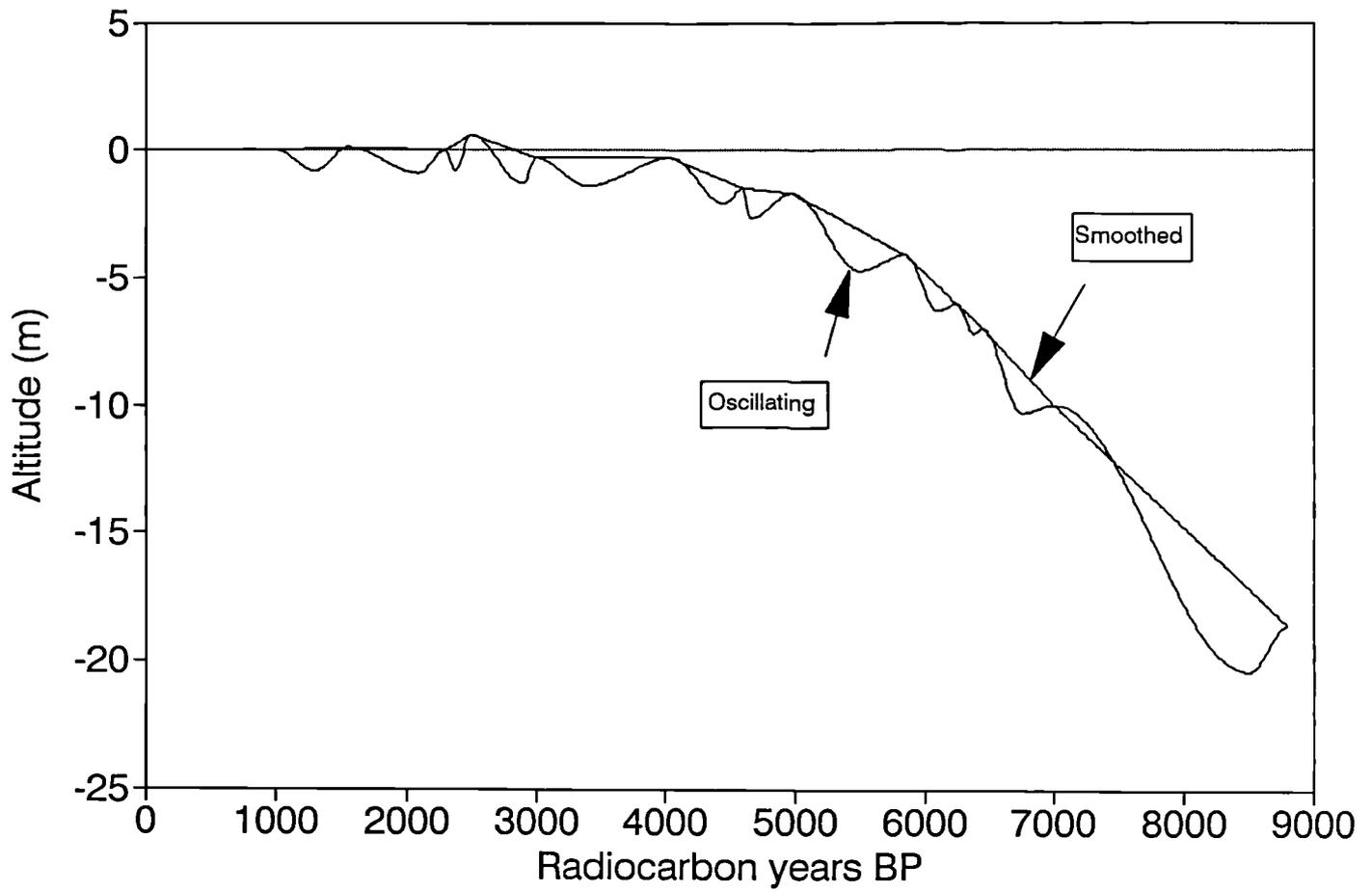


Fig.8.2.

East Kent Fens

Relative sea-level

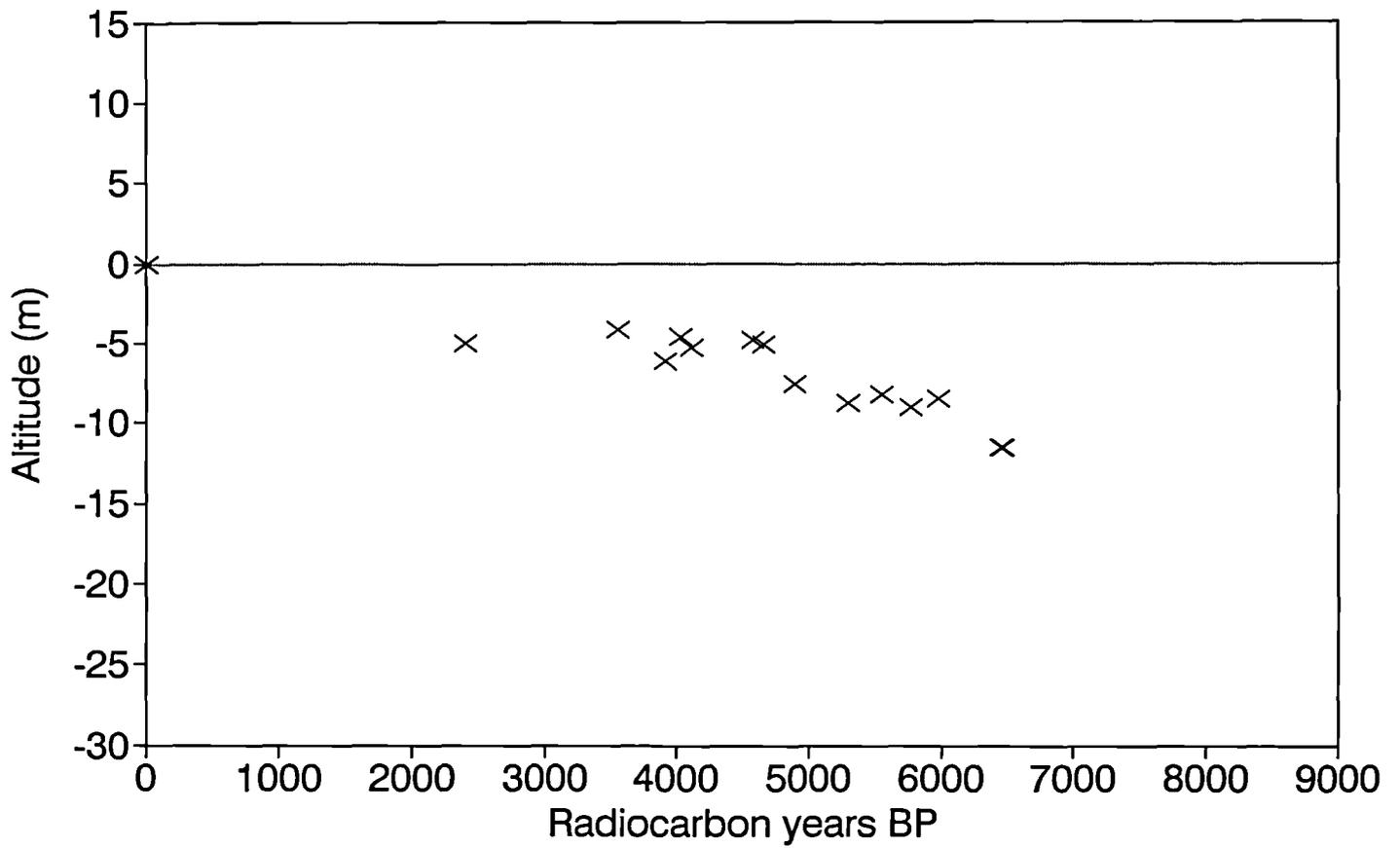


Fig.8.3.

Thames Estuary

Crustal/relative sea-level

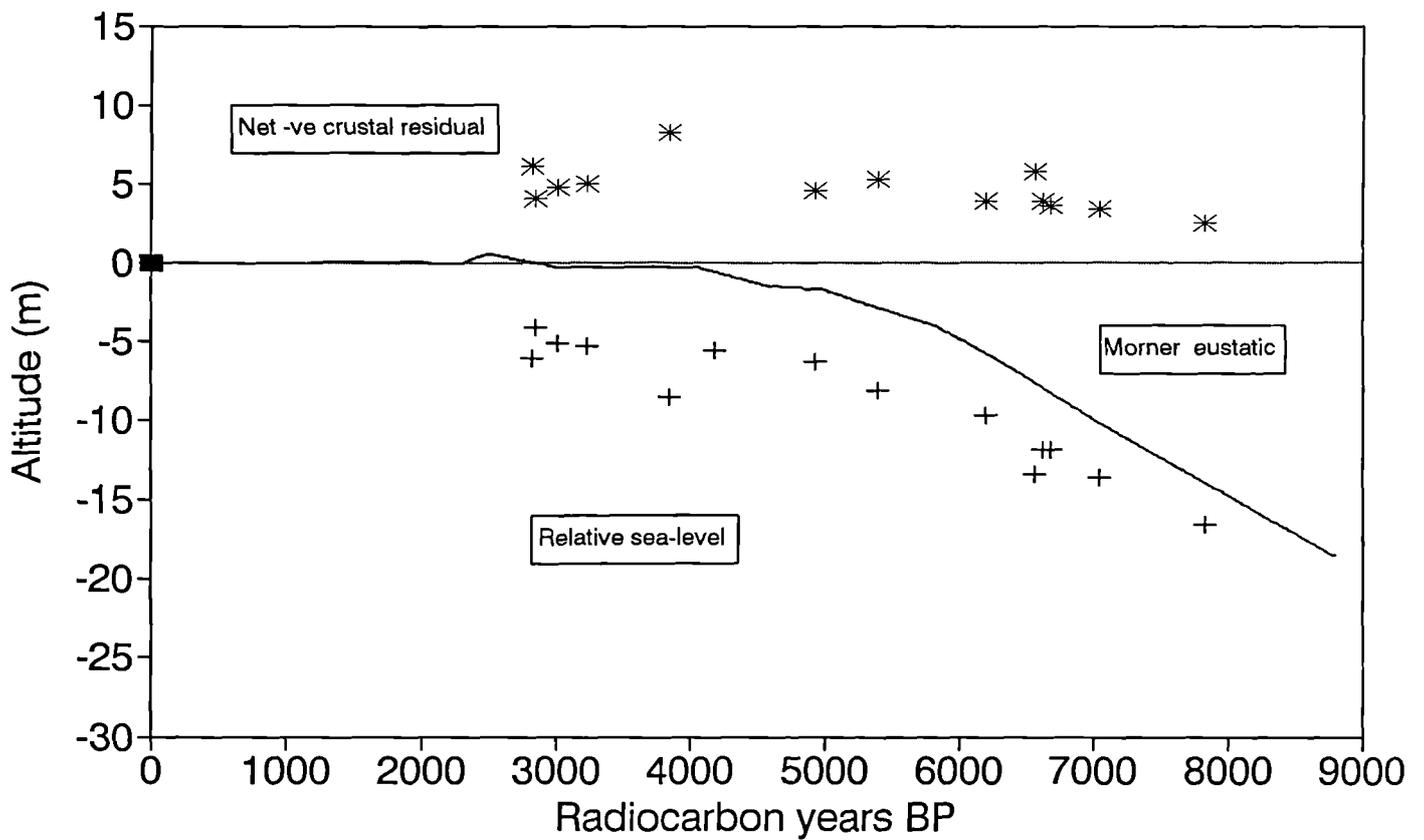


Fig.8.4.

East Kent Fens Crustal/relative sea-level

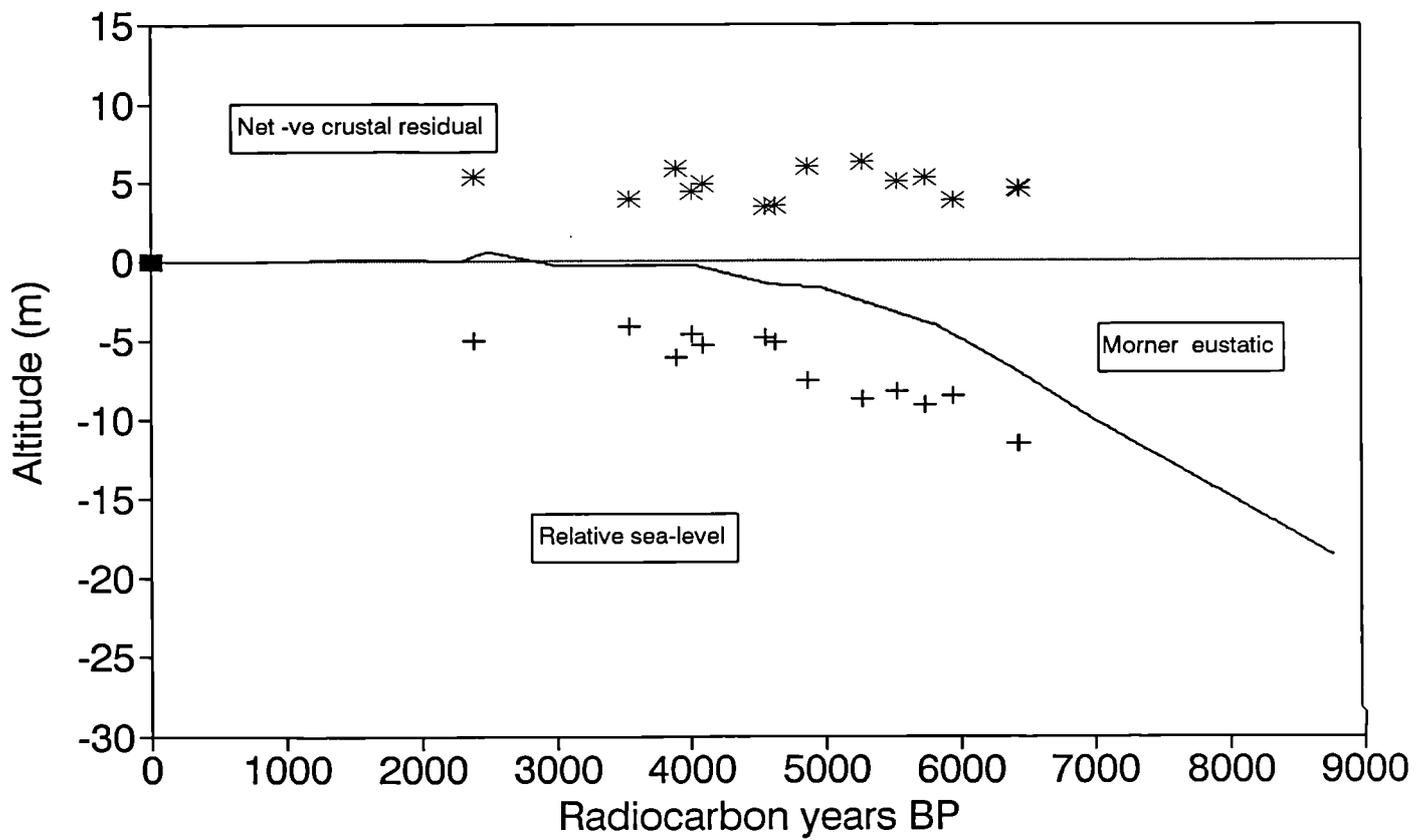


Fig.8.5.

East Sussex, West Kent Crustal/relative sea-level

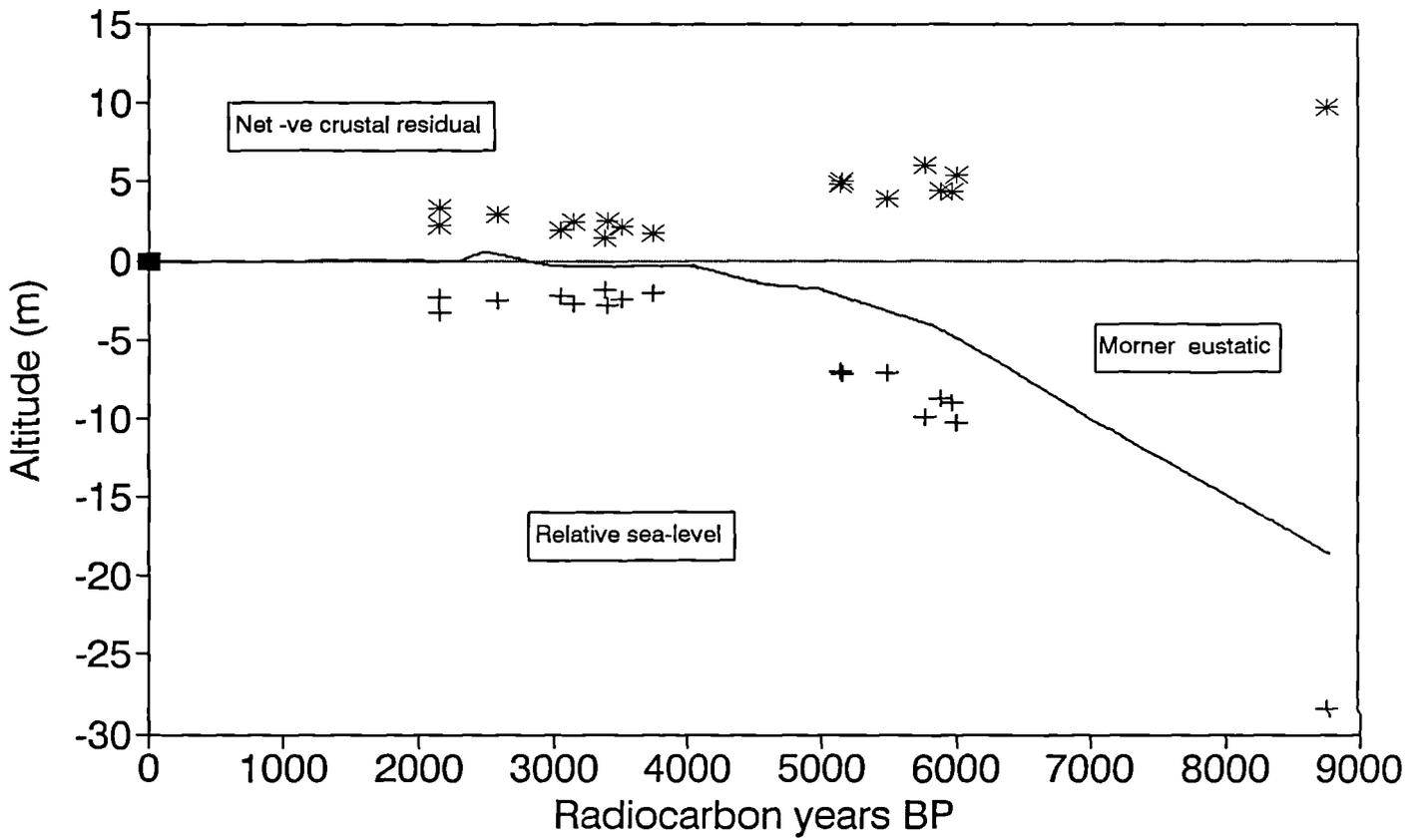
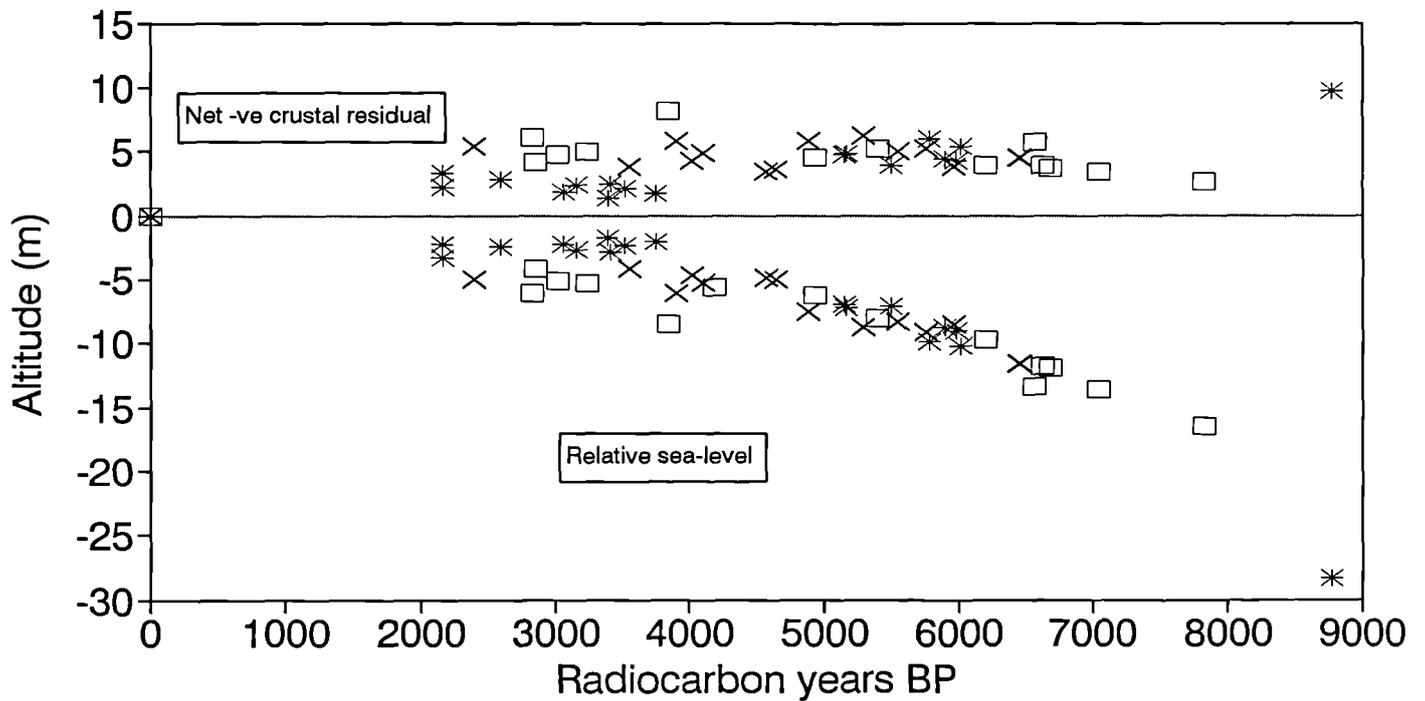


Fig.8.6.

Southeast England Crustal/relative sea-level



□ Thames

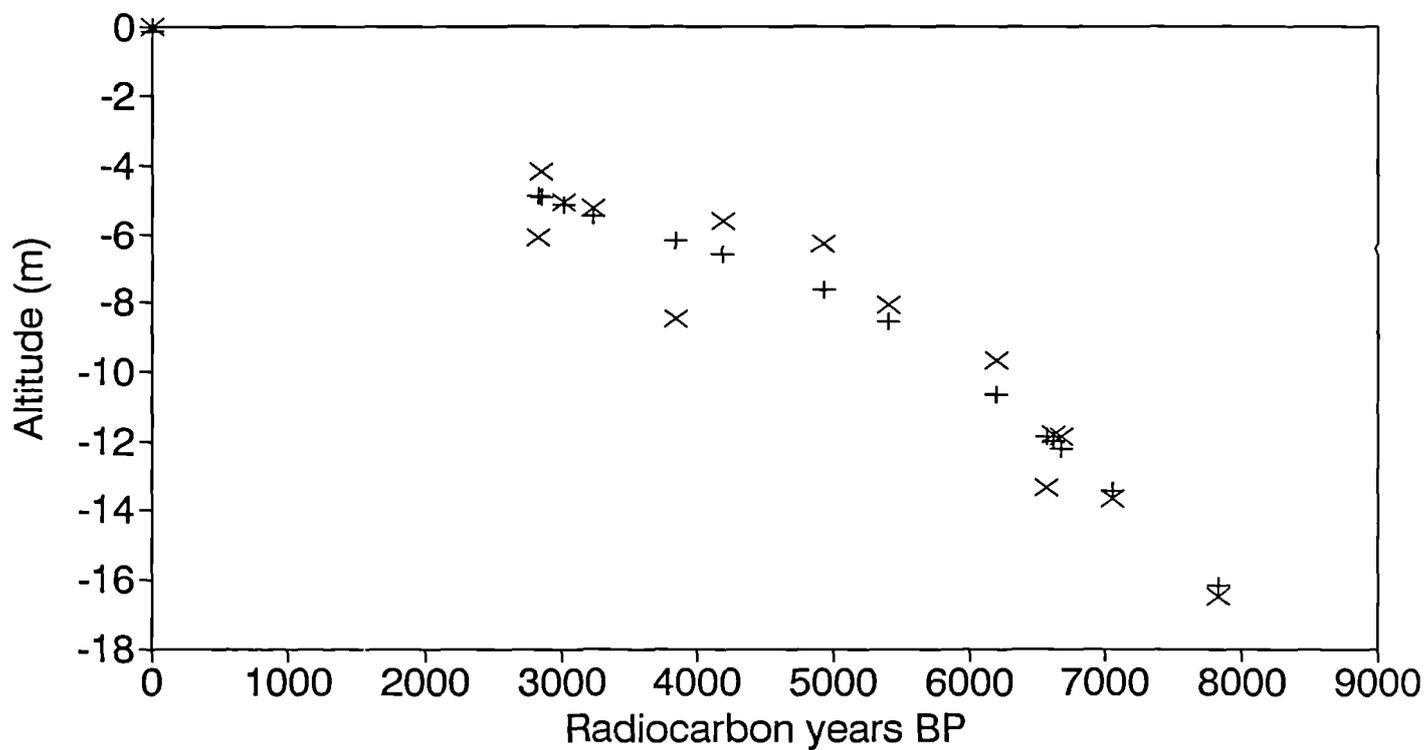
× East Kent Fens

* E.Sussex, W.Kent

Fig.8.7.

Thames Estuary

Modelled relative sea-level

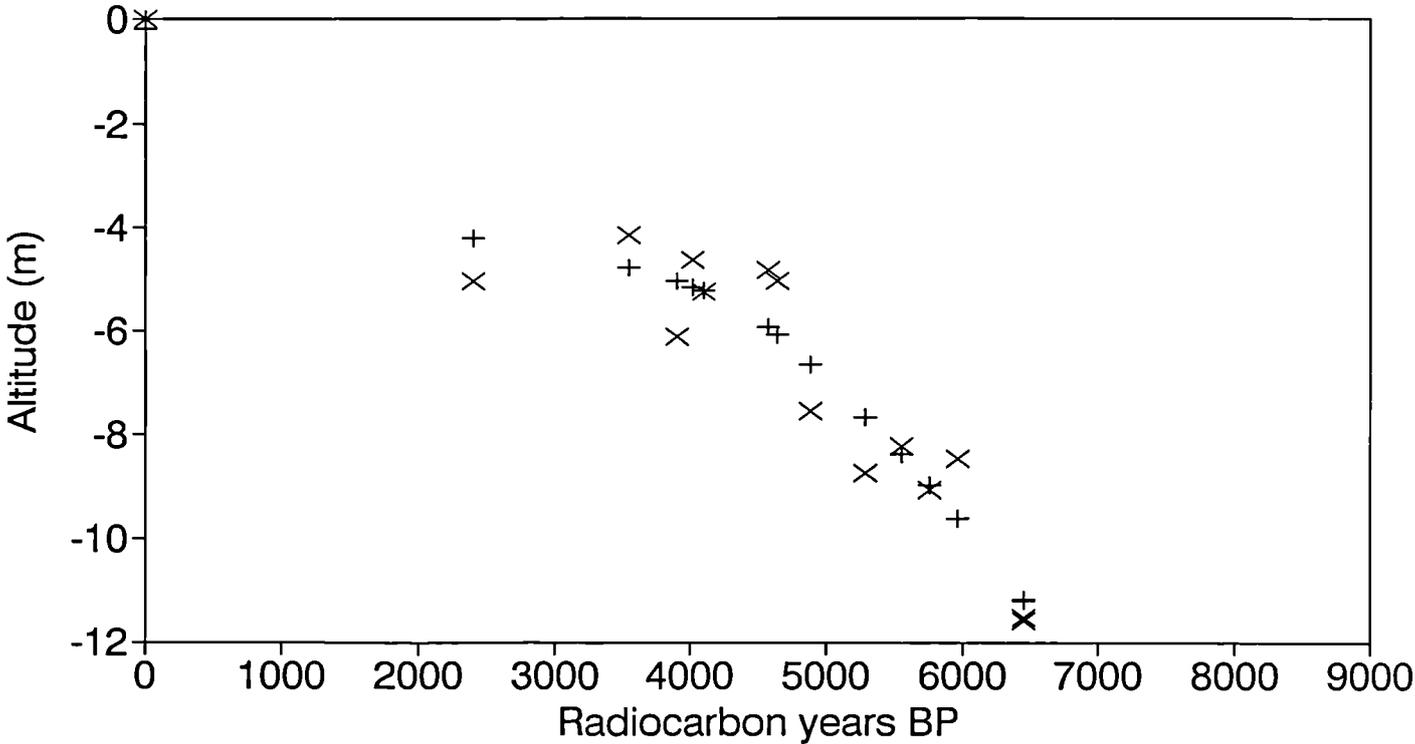


× Relative sea-level + Modelled sea-level

Fig.8.8.

East Kent Fens

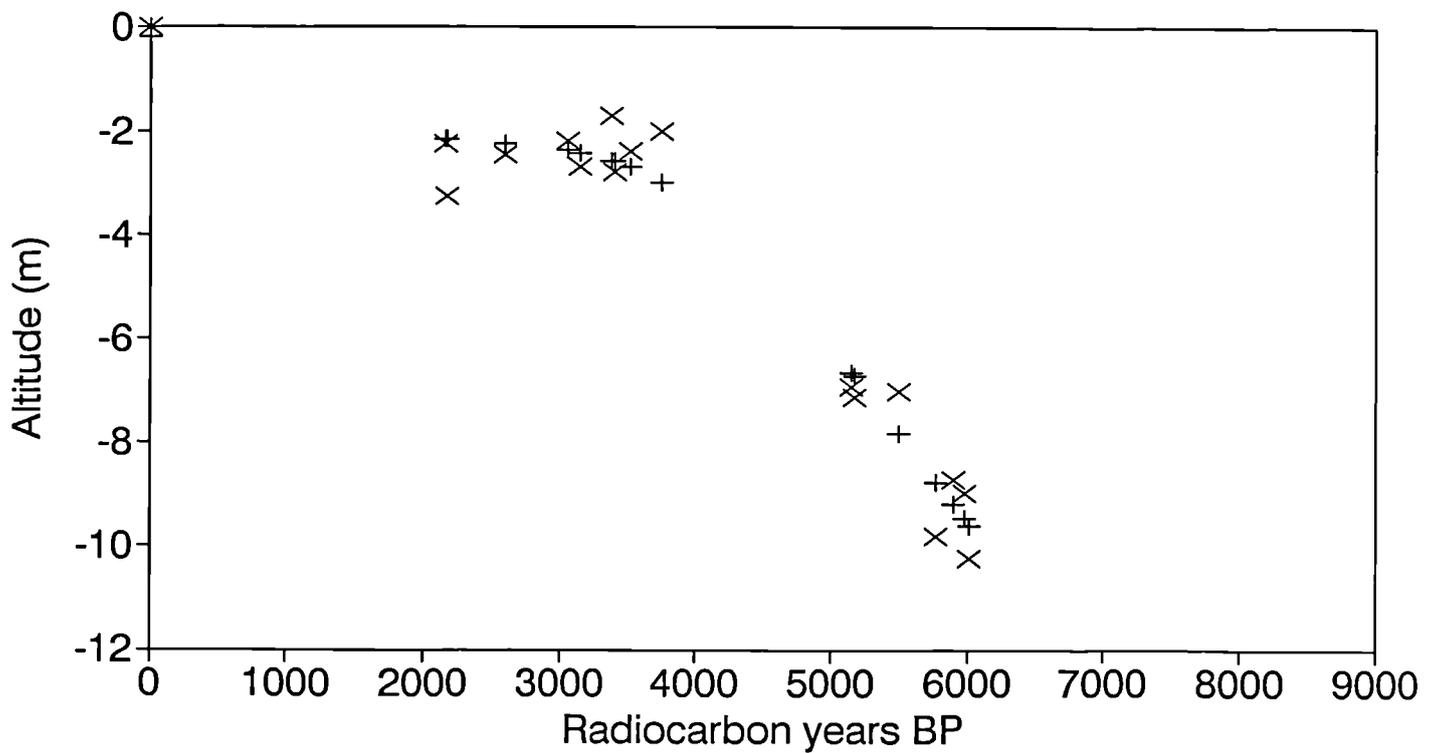
Modelled relative sea-level



× Relative sea-level + Modelled sea-level

Fig.8.9.

East Sussex, West Kent Modelled relative sea-level

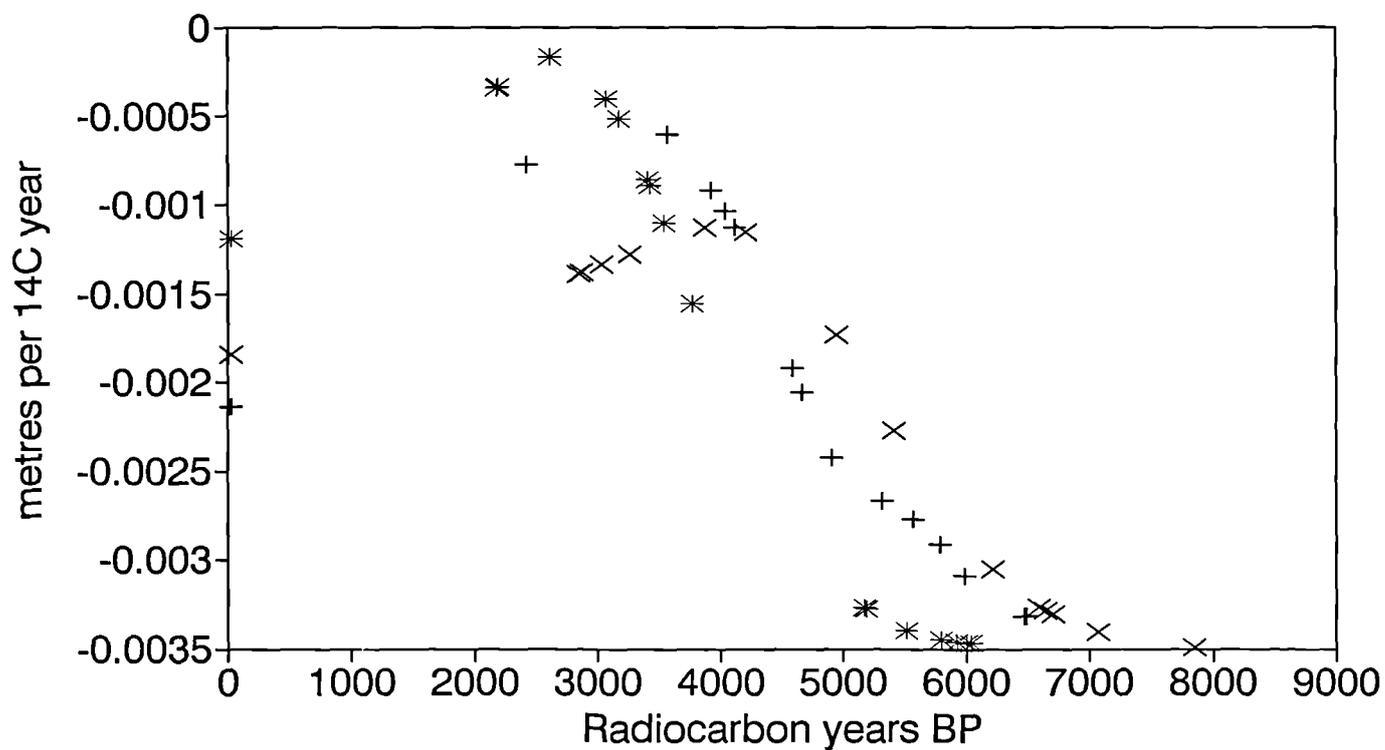


× Relative sea-level + Modelled sea-level

Fig.8.10.

Southeast England

Rates of relative sea-level



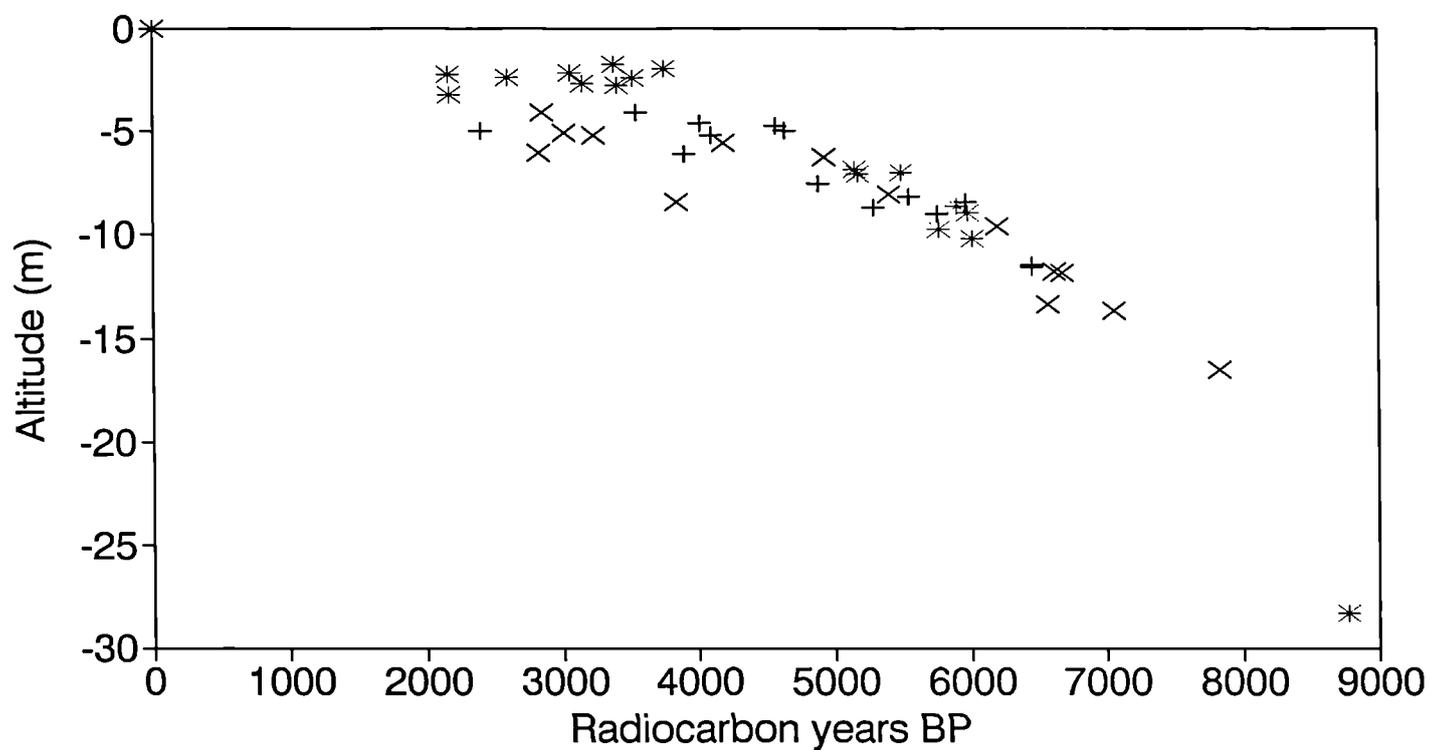
× Thames

+ E.Kent Fens

* E.Sussex, W.Kent

Fig.8.11.

Southeast England Relative sea-level



× Thames

+ E.Kent Fens

* E.Sussex, W.Kent

Fig.9.1. Tendencies of sea-level movements - ^{14}C timescale.

Essex All groups

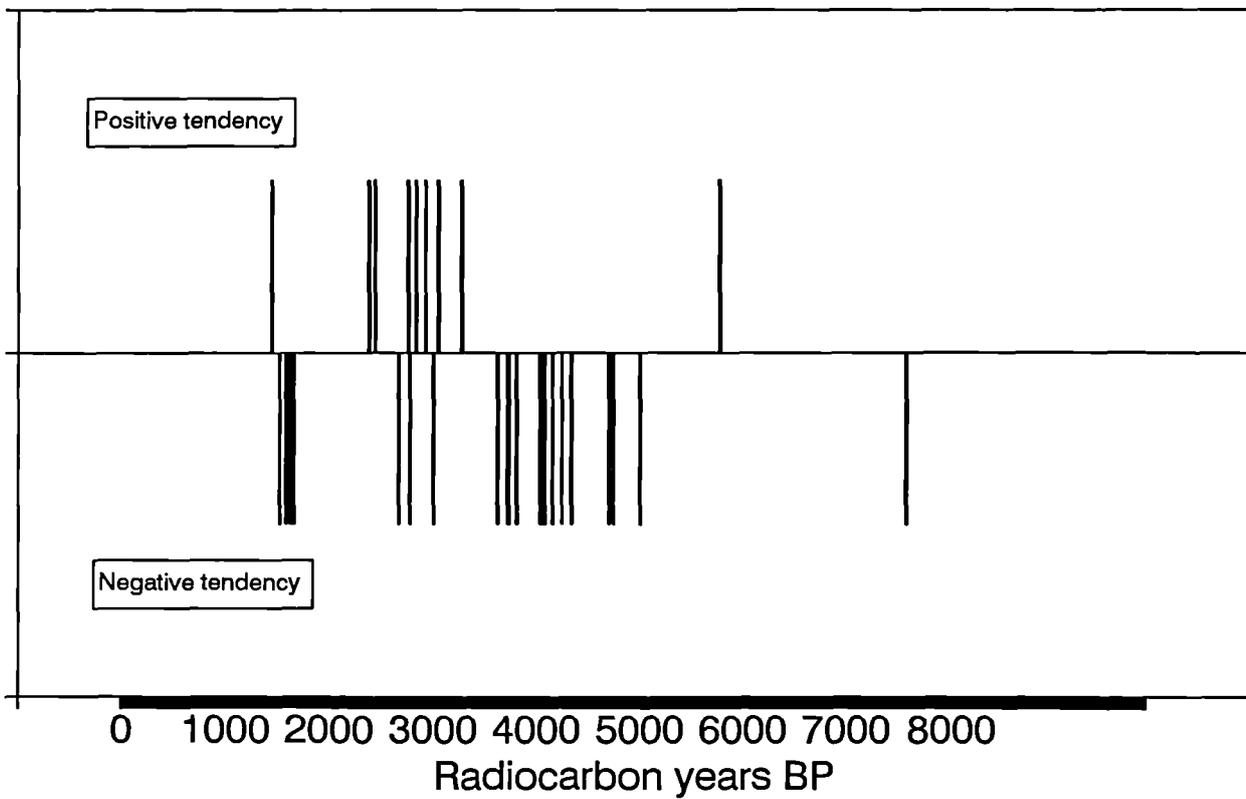


Fig.9.2. Tendencies of sea-level movements - Sidereal timescale.

Essex

All groups

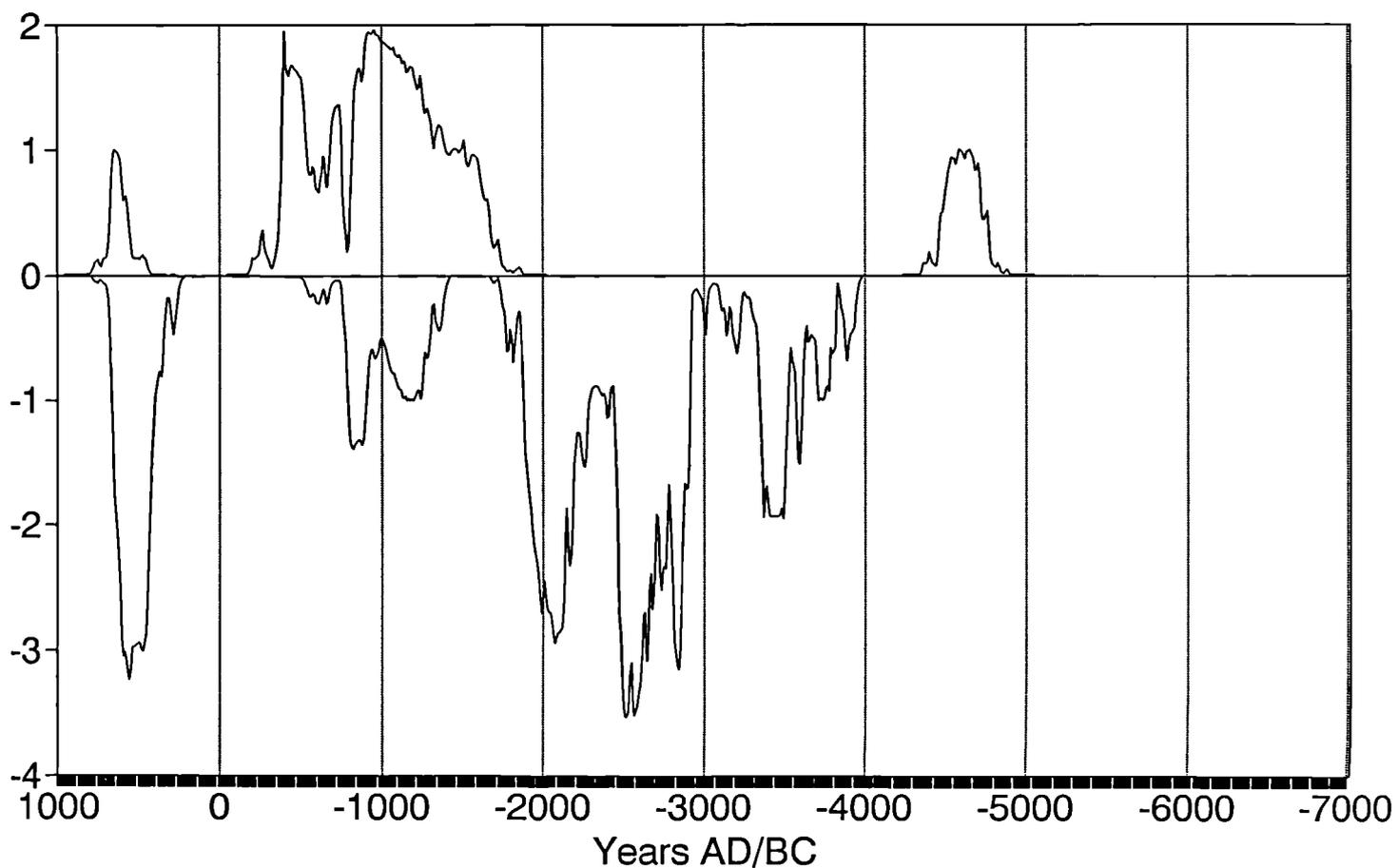


Fig.9.3. Tendencies of sea-level movements - ^{14}C timescale.

Thames Estuary Groups 2,3

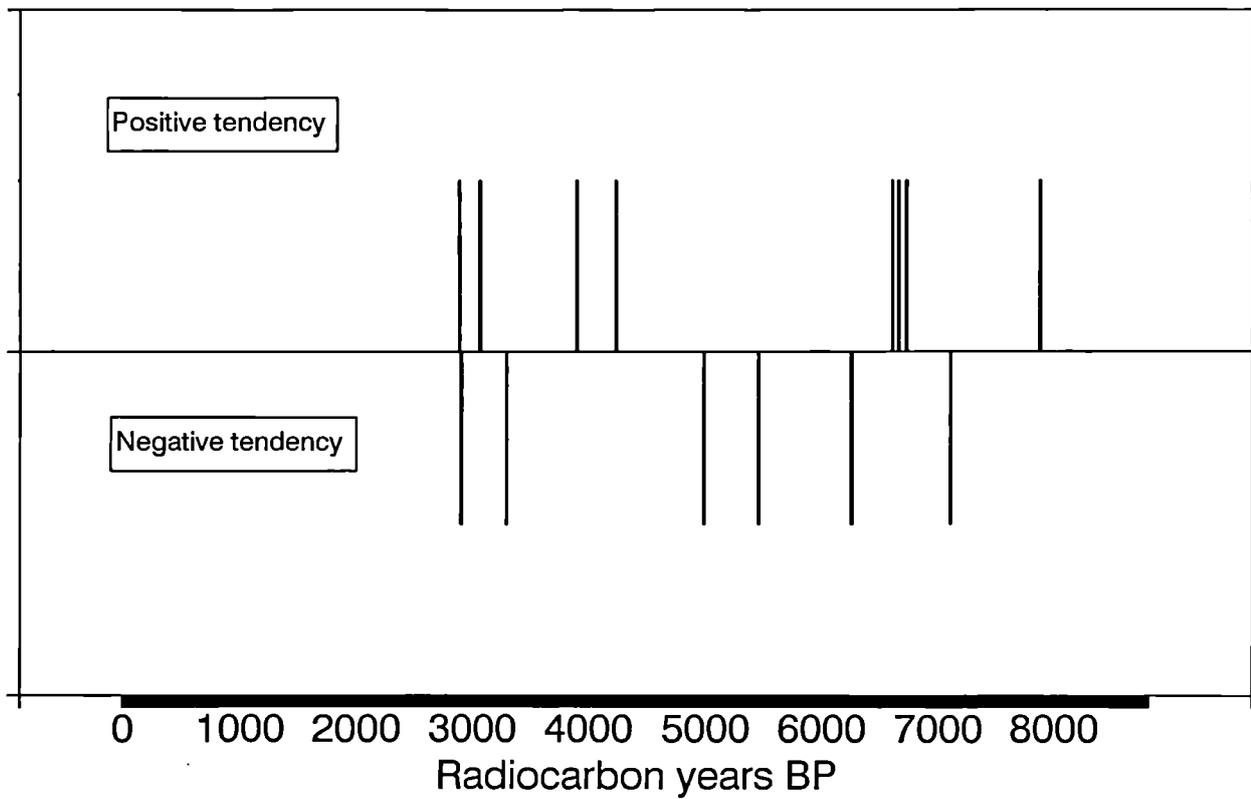


Fig.9.4. Tendencies of sea-level movements - Sidereal timescale.

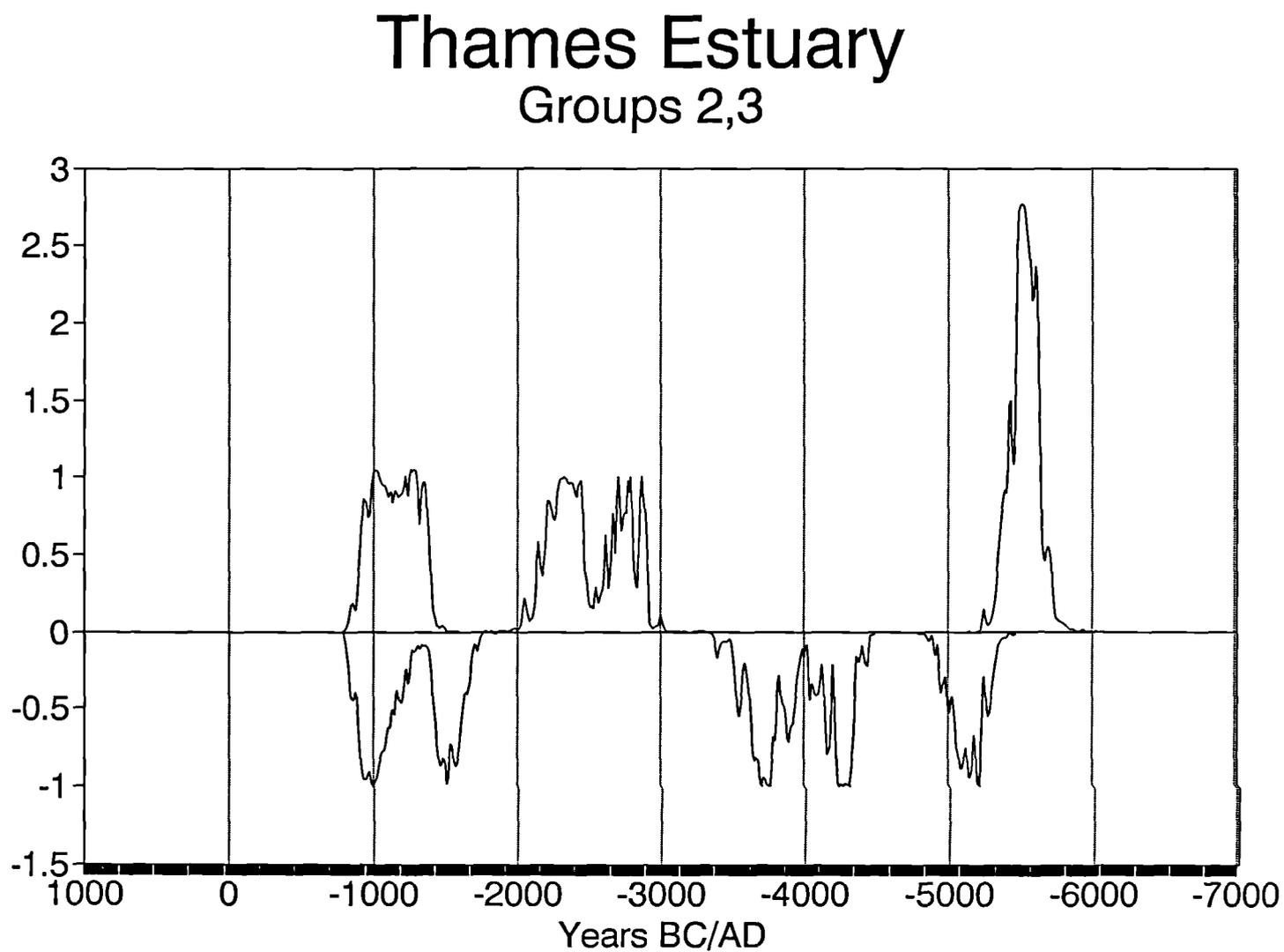


Fig.9.5. Tendencies of sea-level movements - ^{14}C timescale.

Thames Estuary All groups

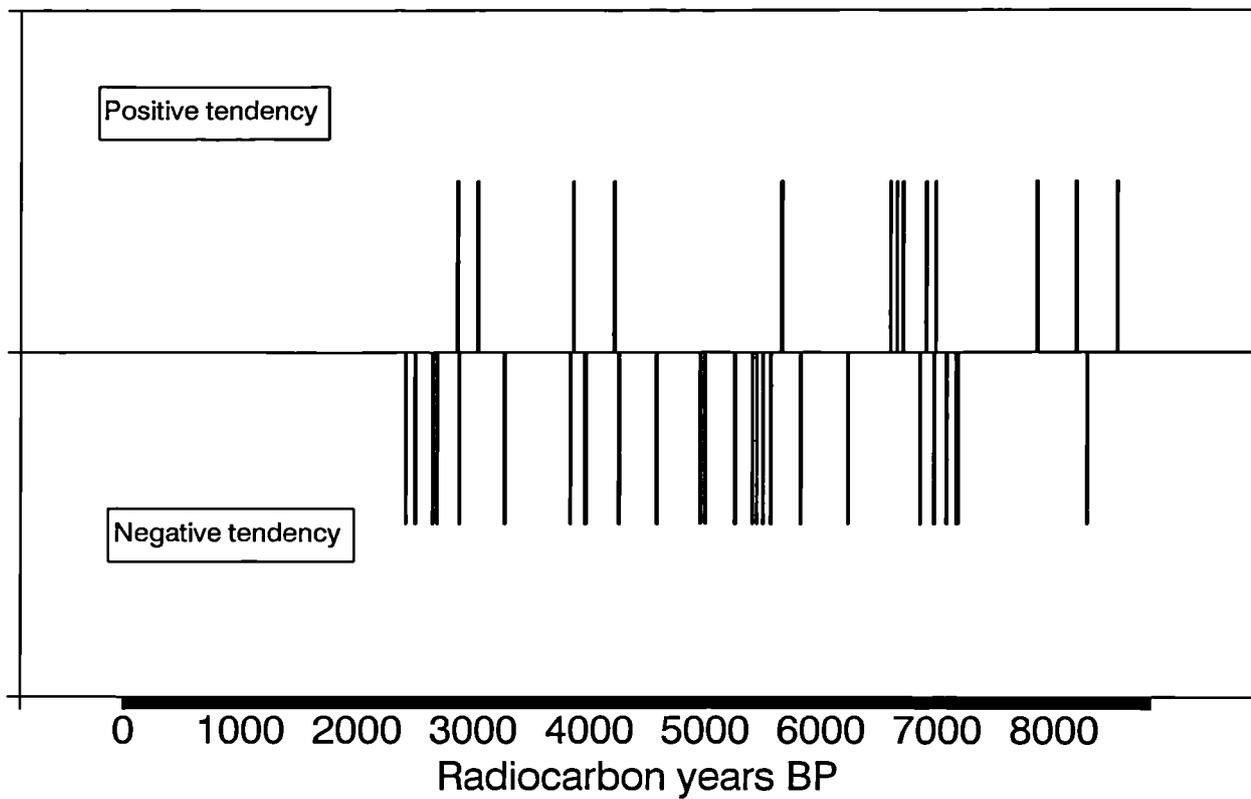


Fig.9.6. Tendencies of sea-level movements - Sidereal timescale.

Thames Estuary All groups

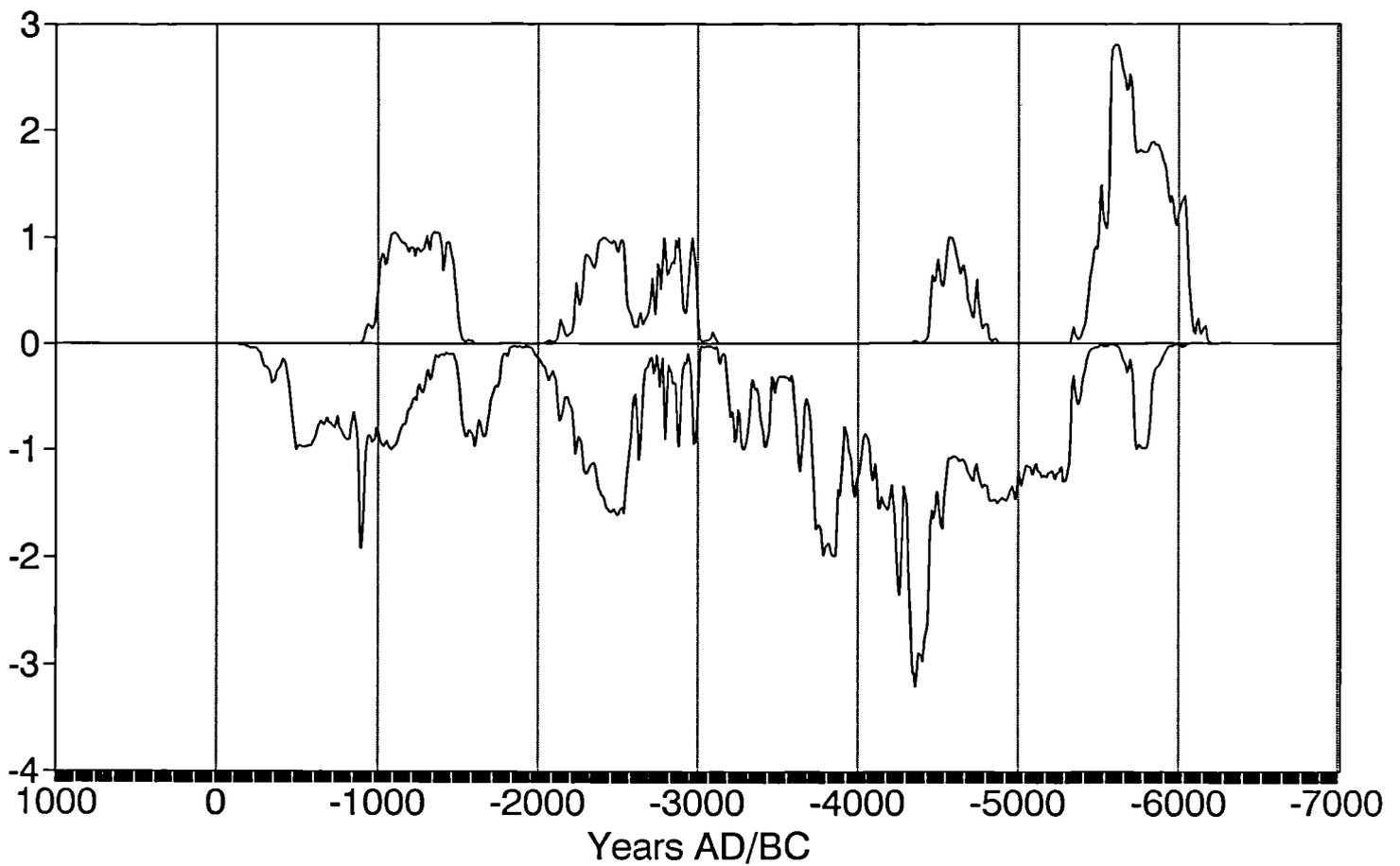


Fig.9.7. Tendencies of sea-level movements - ^{14}C timescale.

East Kent Fens All groups

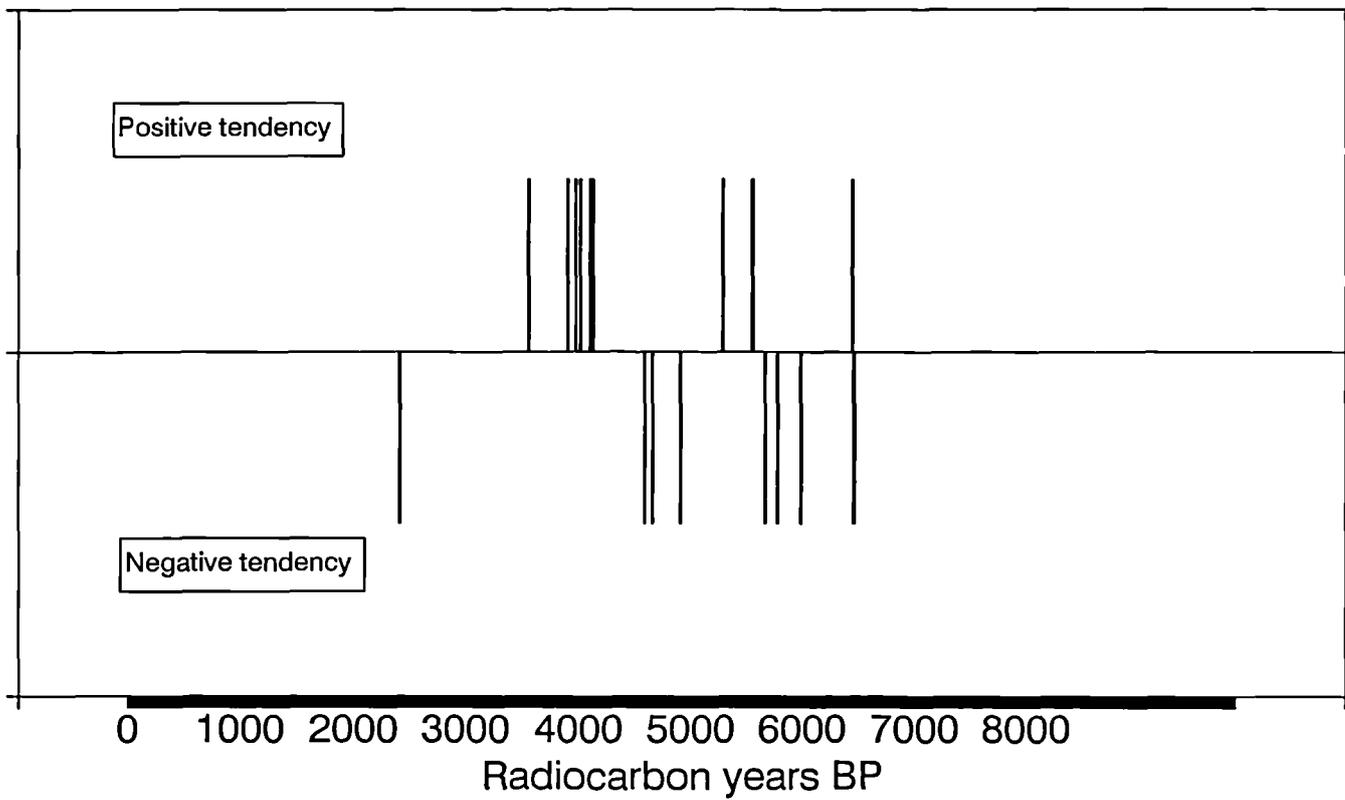


Fig.9.8. Tendencies of sea-level movements - Sidereal timescale.

East Kent Fens All groups

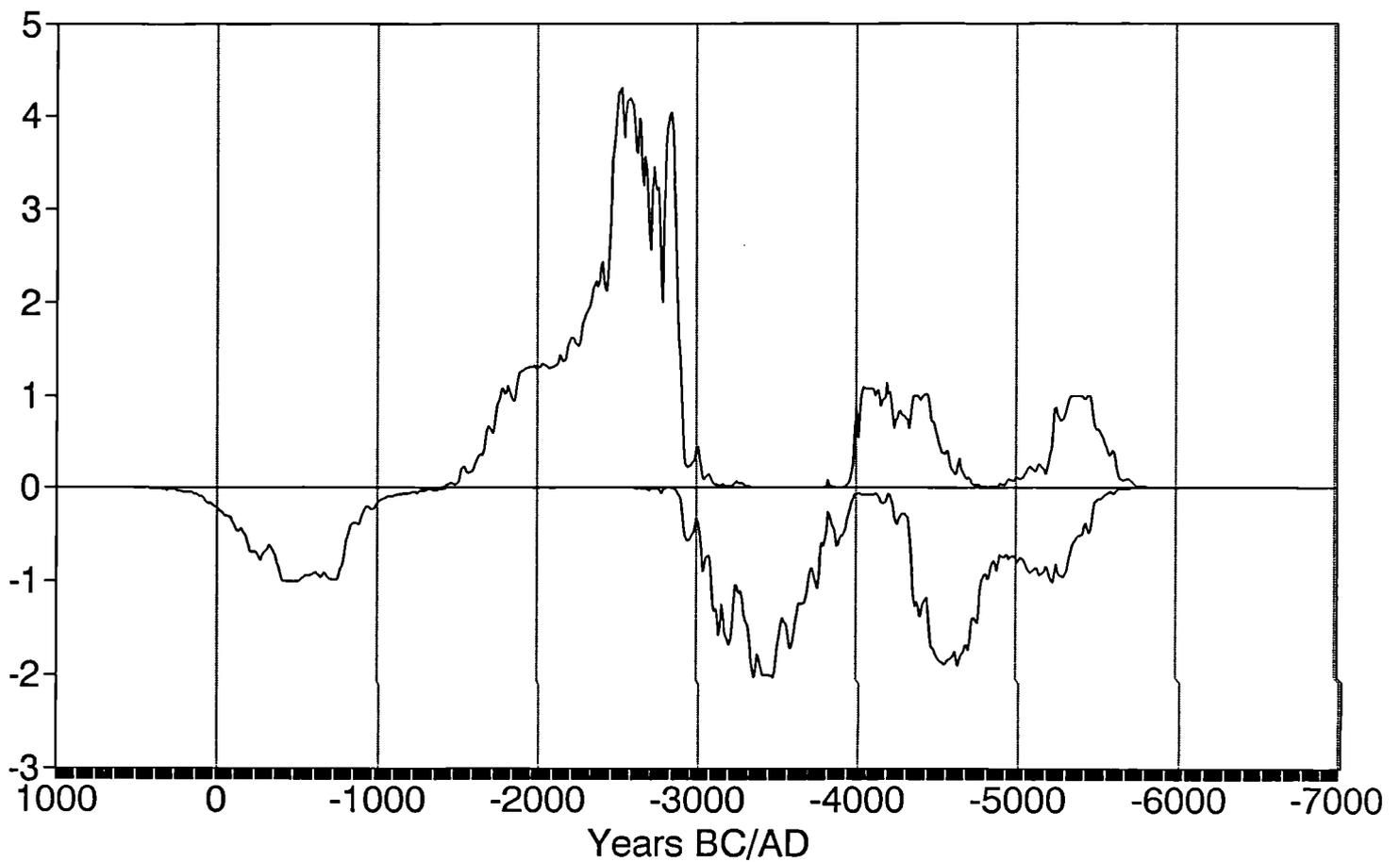


Fig.9.9. Tendencies of sea-level movements - ^{14}C timescale.

East Sussex, West Kent Groups 2,3

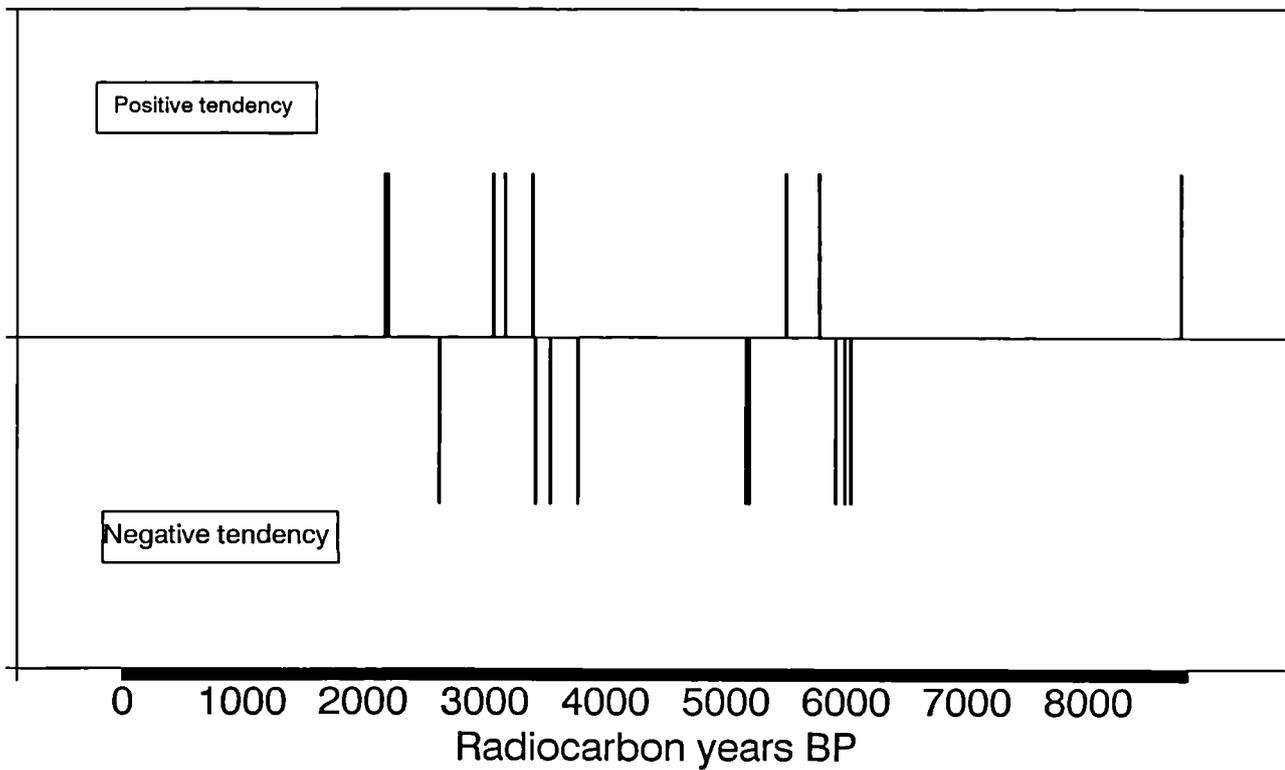


Fig.9.10. Tendencies of sea-level movements - Sidereal timescale.

East Sussex, West Kent Groups 2,3

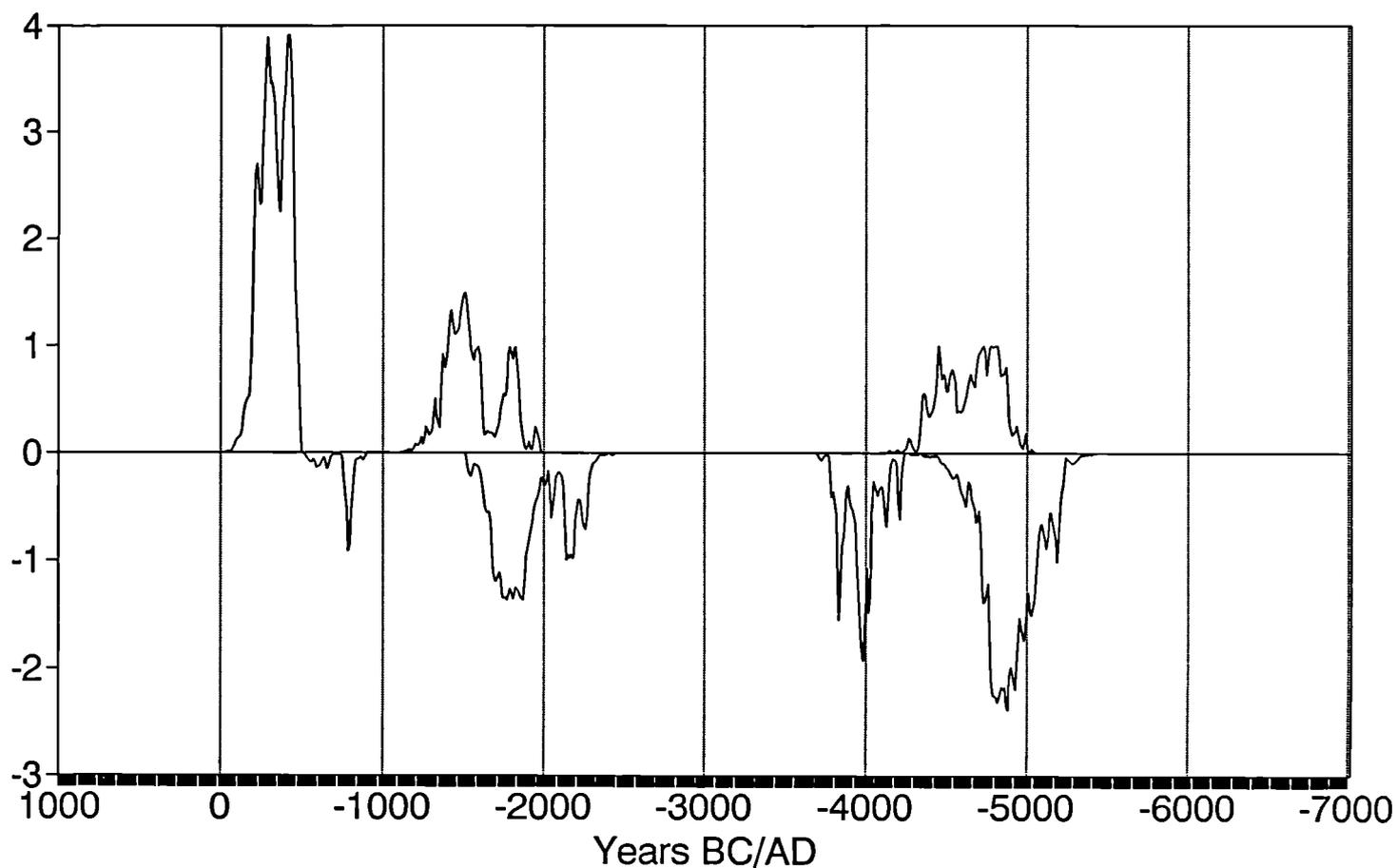


Fig.9.11. Tendencies of sea-level movements - ^{14}C timescale.

East Sussex, West Kent All groups

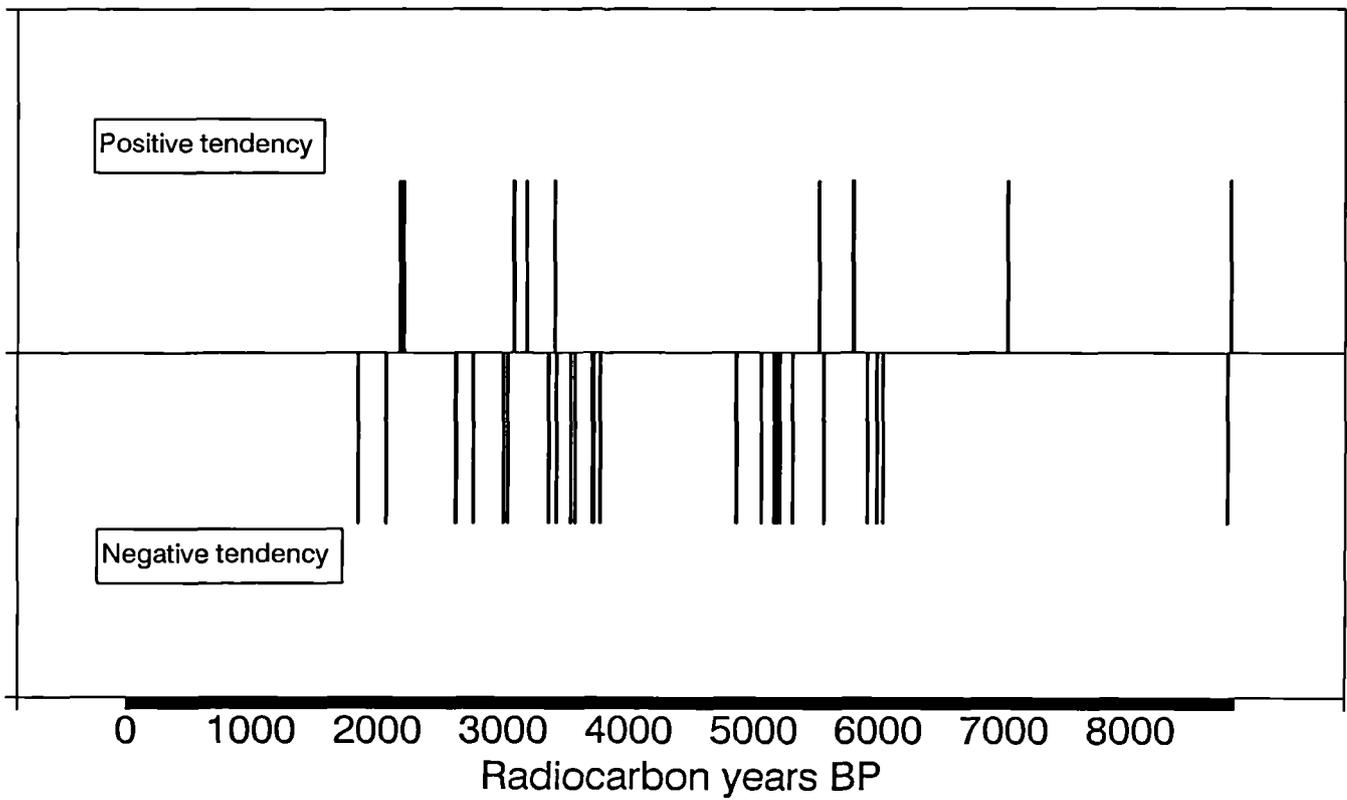


Fig.9.12. Tendencies of sea-level movements - Sidereal timescale.

East Sussex, West Kent All groups

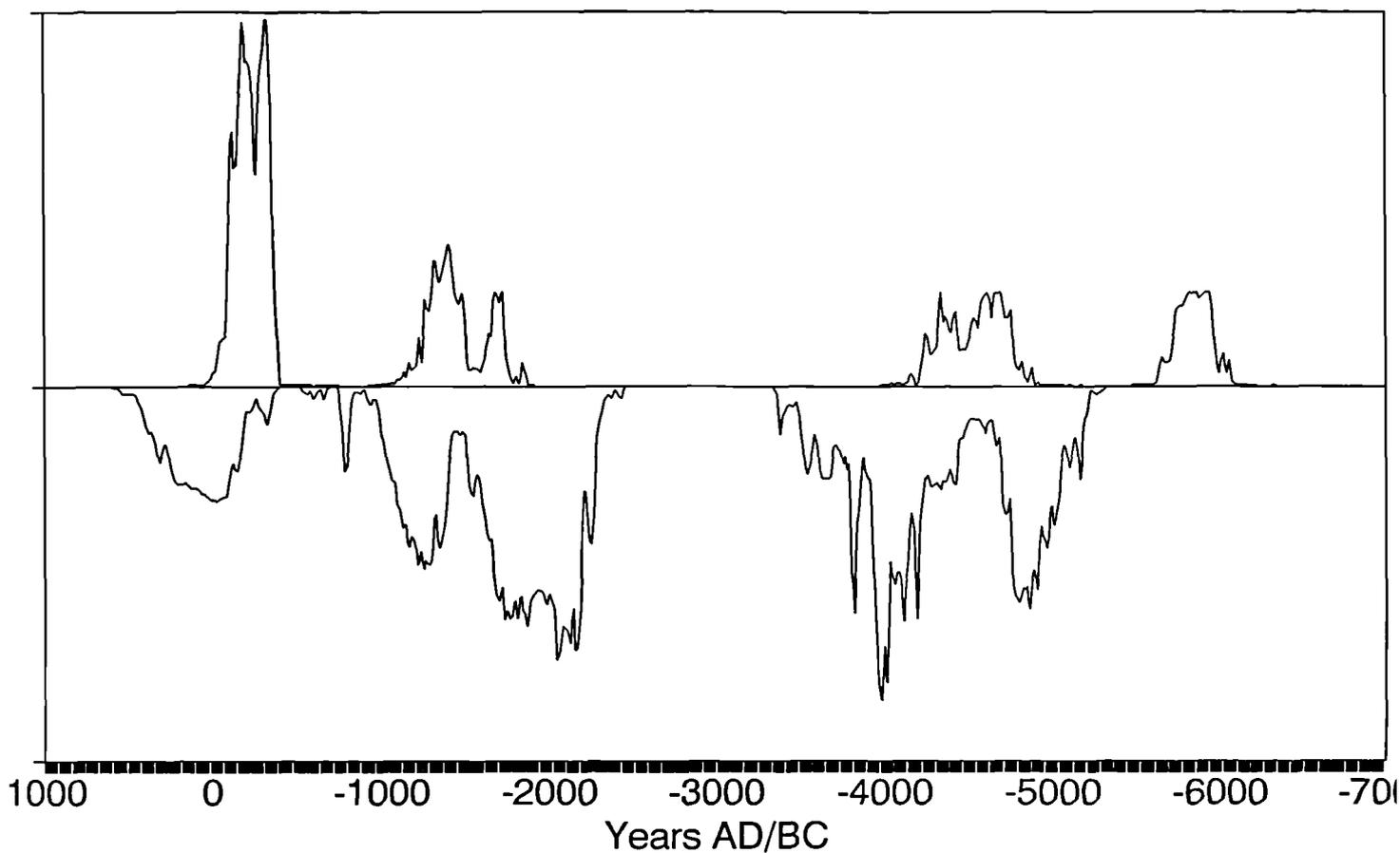


Fig.9.13. Tendencies of sea-level movements from Southeast England - ^{14}C timescale.

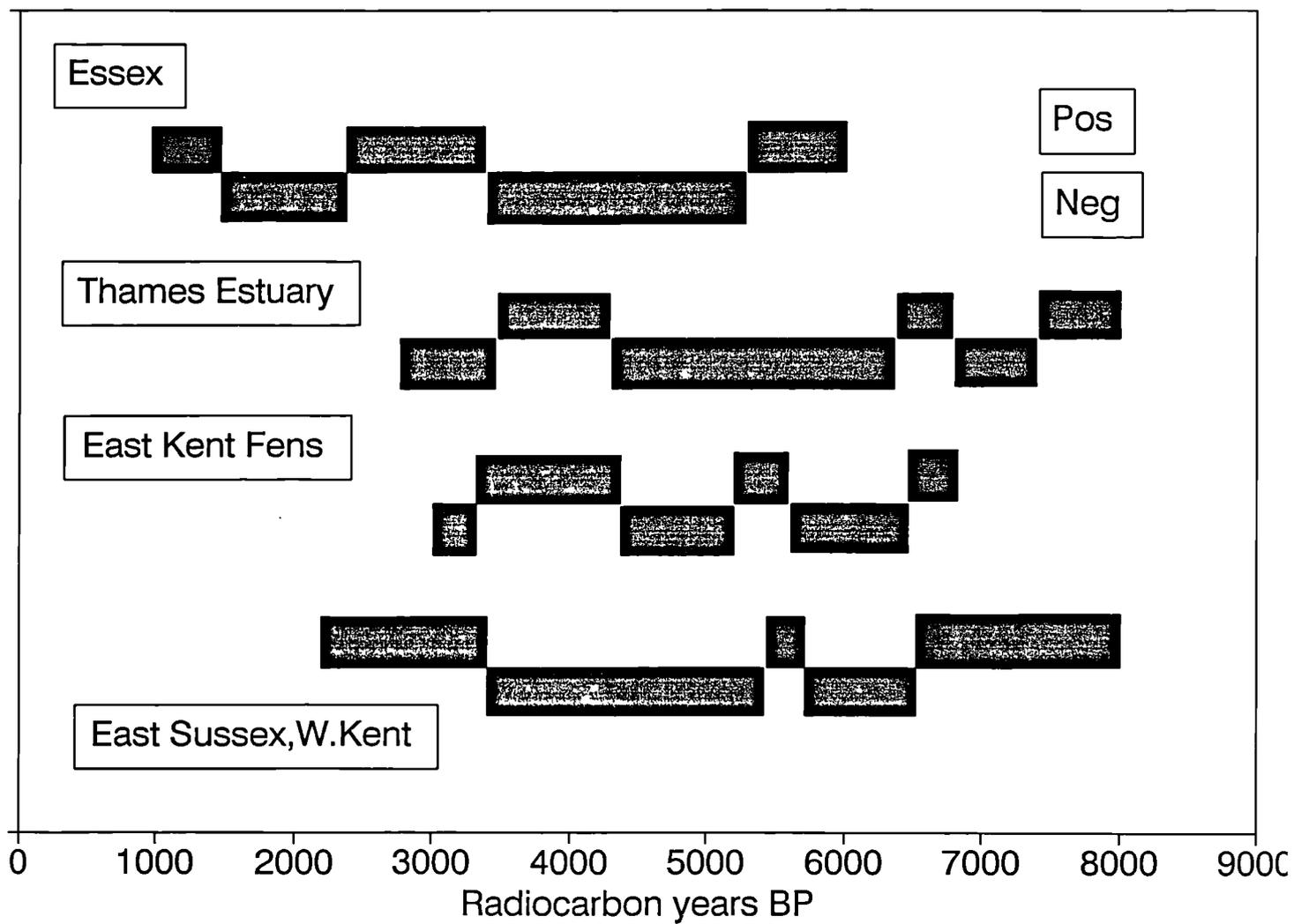
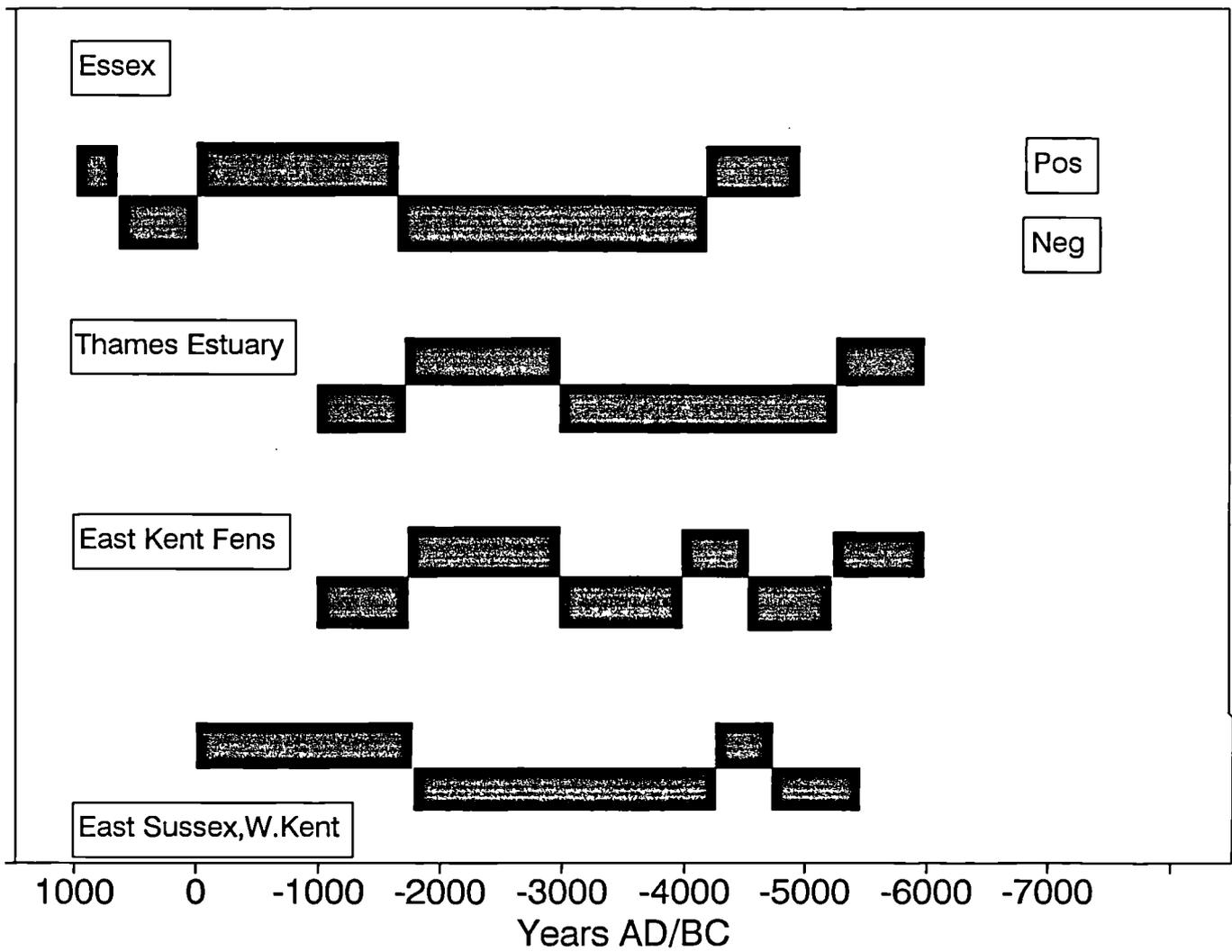


Fig.9.14. Tendencies of sea-level movements from Southeast England - Sidereal timescale.



Appendix 1 Lithostratigraphy.

A1.1. Deerson Valley, the Little Stour Valley.

A1.1.1. Transect 1 NGR TR 25 2425 6070 to TR 25 2380 6120.

Core 14 +0.97m OD

0-50
Topsoil

50-67
As₂, Th¹₂, Th²(Phra)+
nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Dark grey clay with turfa and Phragmites. Soft and buttery.

67-106
Th²(Phra)₁, Th²₂, As₁
nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Clayey fibrous turfa peat, smelly and with some Phragmites.

106-110
Th³₂, As₂
nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Compact dark brown peat with some clay and well humified organic matter.

110-240
Th²₄, Th²(Phra)+
nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0
Fibrous monocot peat, brown with some Phragmites.
Phragmites content increase to base.

240-262
Th²₁, As₃
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Turfa-rich clay transitional to stratum above.

262-540
As₃, Ag₁, part test moll+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Battleship-grey silty-clay with some shells, soft and buttery.

540-720
As₃, Ag₁, part test moll+
nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Same as stratum above but change colour to black. Sample very badly and stopped by gravel.

Core 15 +1.02m OD

0-20 Topsoil - coarse with some flints and rounded gravel.

20-80

As₃, Ag₁, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay, orange-brown and quite soft with some iron-stainig.

80-222

As₃, Ag₁, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay, dark grey with some humified turfa.

222-264

As₃, Th²₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft organic-rich clay, a definite enrichment of organic material.

264-268

As₂, Ag₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey soft silty-clay with some turfa.

268-290

As₃, Th²₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft turfa-rich clay.

290-540

As₄, Th²⁺, Ag⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft slightly organic clay with some silt and grey in colour.

540-560

Ag₄

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey silt, homogenous and soft.

560-600

Th²(Phra)₁, As₃, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clay with quite high organic content - especially Phragmites leaves. Also some turfa present.

600-640

As₂, Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown Phragmites-peat with some clay.

640-650

Th²(Phra)₂, Sh⁺, Th²₁, As₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Same as stratum above but darker in colour with more turfa.

650-660

Th²(Phra)₂, Sh+, Th²₁, As₁

nig. 4, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Black and crumbly peat with some Phragmites.

Slightly laminated but also quite compact. Gravel below.

Core 16 +1.09m OD

0-20

Ga₂, Ag₂, Lf+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Orange-brown silty-sand with some iron-staining.

20-50

Ag₂, Ga₂, Gg(maj)+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Stoney silty-sand, orange-brown and stiff.

50-90

As₃, Ag₁, Lf+, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown clay with some silt and iron-staining.

90-160

As₂, Ag₂, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark grey clayey-silt with some organic matter.

160-255

As₁, Ag₃, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-black silt with some clay and rare turfa, stiffer than stratum above.

255-277

Th²₁, As₃

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Turfa-rich clay.

277-430

As₁, Ag₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-black silt with some clay.

430-435

As₃, Th²₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay with some turfa.

435-470

As₁, Ag₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clayey-silt, soft.

470-485

As3, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Turfa-rich clay

485-710

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay, grey and soft with no organic material.

710-715

As1, Sh2, Th³(Phra)1

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 3

Black well humified and compact peat on top of impenetrable gravel.

Core 17 +0.88m OD

0-40

Topsoil

40-110

As3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown silty-clay with iron-staining.

110-600

As3, Ag1, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clayey-silt.

600-650

As1, Ag3, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clayey-silt. Scrobicularia increase immediately over peat.

650-652

Ag2, part test moll 2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silt with many broken Scrobicularia.

652-665

Sh1, As1, Th³(Phra)2

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Compact turfa with some Phragmites and small flints in the base of the peat.**Core 18 +0.74m OD**

0-40

Topsoil

40-100

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Orange-brown silty-clay with iron-staining.

100-230

As2, Ag2, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft and buttery dark grey clayey-silt.

230-270

As3, Ag1, Th³⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Slight organic enrichment of clay- not as much as in core 16,
but still recognisable. Darker than the embracing silty-
clays.

270-562

As2, Ag2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey, soft and buttery silty-clay.

562-588

Th²(Phra)1, As3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey Phragmites-rich clay with some rhizomes and leafs.

588-605

Th²(Phra)2, Sh1, As1

nig. 4, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Phragmites-rich peat, compact with occasional quartz grains
visible to the naked eye and slightly laminated.

605-620

Th³(Phra)1, Sh2, As1

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Stiff Phragmites-rich black peat, well humified and with small
bits of flint and some clay. Impenetrable because of flints at
620cm.

Core 19 +0.54m OD

0-30

Topsoil

30-110

Ag2, As2, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 1
Orange-brown silty-clay with iron-staining.

110-155

As2, Ag2, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey silty-clay with some black Substantia humosa.

155-165

As3, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Definite organic enrichment at this level, with turfa. Dark grey, stiffer than the embracing sediments.

165-200

As2, Ag2, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silty-clay with some black Substantia humosa.

200-500

Ag1, As3, Th+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey organic silty-clay.

500-608

Ga1, Ag3, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey sandy-silt with some broken Scrobicularia.

608-610

part test moll 2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silt with many broken Scrobicularia.

610-623

Th²(Phra)2, As1, Sh1

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Dark brown or black Phragmites-rich peat, compact and slightly laminated.

623 Impenetrable because of flints.

Core 20 +0.61m OD

0-20

Topsoil

20-130

Ag1, As3, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Mottled silty-clay - orange-brown and quite stiff.

130-230

Ag2, As2, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey soft silty-clay with some turfa.

230-330

Ag4, Ga+

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well laminated grey silt with some sand.

330-600

Ag3, As1

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Dark grey wet clayey-silt.

600-620

Gravel.

Core 21 +0.53m OD

0-40

Topsoil

40-150

Ag3, As1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sticky, hard clayey-silt with some iron-staining.

150-270

Ag2, As2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clayey-silt, hard coring as before.

270-575

Ag2, Ga2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Wet grey silty-sand becoming laminated with depth.

570-606

Ag2, As2, Ga+, part test moll+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well laminated clayey-silt with occasional shells.

606-630

Th³2, As1, Th²(Phra)1

nig. 3+, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well laminated dark brown clay-rich turfa with Phragmites

630-642

Th²1, Th²(Phra)1, Sh1, As1

nig. 4, strf. 1, sicc. 3, elas. 0, lim. sup. 1

Black compact peat with some Phragmites. Stopped by gravel.

Core 22 +0.615m OD

0-30

Topsoil

30-110

Ag1, As3, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact silty-clay with iron-staining.

110-200

Ag4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange grey silt with some iron-staining and quite wet.

200-370

Ag3, Ga1, As+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well laminated grey sandy-silt with some clay.

370-520

Ag1, Ga3

nig. 4, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Black laminated silty-sand.

Core 23 +0.64m OD

0-20

Topsoil

20-60

Ag4

nig. 1, strf. 0, sicc. 3, elas. 0, lim. sup. 0

White compact silt, quite hard.

60-110

Ag4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown sticky silt with iron-staining.

110-220

Ag4, As+, Th³⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black or dark grey silt with some clay and occasional well humified turfa.

220-530

Ag3, As1, Ga+

nig. 3+, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Laminated sclayey-silt becoming finer with depth. Dark grey or black.

530-600

Ag4, As+, Th²⁺, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light grey silt with Scrobicularia and occasional turfa - possibly eroded.

600-602

Ag3, Ga+, part test moll 1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey sandy-silt with lots of broken Scrobicularia.

602-630

Sh1, Th²(Phra)2, D11

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Black well humified peat with eroded upper contact.

630

Gravel.

Core 24 +0.55m OD

0-20

Topsoil

20-80

Ag4, As+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey silt with some clay.

80-110

As1, Ag3, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown clayey-silt with iron-staining.

110-250

Ag3, Ga1

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Dark grey laminated sandy-silt.

250-500

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Ag4, As+

Black clayey-silt - soft and buttery as before.

Impenetrable - not because of gravel.

A1.1.2. Grid of cores**Core 1 +1.92m OD**

0-40

Topsoil

40-110

As3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft silty-clay becoming coarser with depth. Some iron-staining in the upper sections. Light-brown in colour.

110-140

As1, Ag3, Th³⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft blue-grey clayey-silt with some black turfa.

140-150

Ag3, As1

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Compact, quite dry white-grey clayey-silt.

150-240

Ag3, As1, Dl+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Khaki-brown silt with some clay and rare detrital woody material.

240-350

Ag3, Ga1

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Orange sandy-silt, homogenous and soft, resembling Brickearth. Impenetrable.

Core 2 +1.72m OD

0-40

Topsoil

40-110

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with orange iron mottling.

110-420

As1, Ag3, Th²⁺, Dl+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey buttery clayey-silt. Soft, with well humified turfa remains. Organic content increases to base of stratum with detrital pieces of Quercus.

420-442

Sh1, Dl1, Ag1, As1, part test moll +
 nig. 4, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Well humified, smelly dark brown-black peat with few
 macroscopic plant remains. Some unidentified broken shells
 increasing in number to base.

442-470

As2, Ag2, Sh+, Th³⁺
 nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 3
 Black silty-clay with well humified organic remains, becoming
 lighter to base. Sharp contact to stratum above.

470-484

Ag4, Th²⁺
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 White-grey silt with some turfa - Quite wet.

484-530

Ag3, As1
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Green-blue clayey-silt.

Core 3 +1.65m OD

0-20

Topsoil

20-90

As3, Ag1, Lf+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Quite soft orange-grey silty-clay.

90-245

As2, Ag2, Th²⁺
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft, grey-brown silty-clay with some turfa.

245-345

As3, Th²⁺
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft dark-grey organic clay with turfa.

345-540

As3, Ag1, Th²⁺
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft dark-grey clay with some silt and a slight decrease in
turfa content.

540-542

Ag1, As3, Th²⁺
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 2
 Dark-grey silty-clay with some turfa.

542-570

Dh2, Th², Th²(Phra)+

nig. 4, strf. 2, sicc. 0, elas. 3, lim. sup. 0

Black peat, laminated and slightly smelly. Compact with some Phragmites.**Core 4 +1.92m OD**

0-30

Topsoil

30-90

Th²1, Ag3, part test moll +

nig. 3+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Organic-rich brown silt with some shells (unid).

90-100

As3, Th²1, Sh+

nig. 3+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Dark brown/black soft clay with some turfa.

100-160

Ag1, As3, Th²1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some silt. Soft and buttery with occasional turfa.

160-170

Ag4, Lf+

nig. 1+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Dry white-grey silt with some iron-staining.

170-250

Ag4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Khaki-brown silt, compact with some black turfa, becoming more orange with depth.

250-370

Ag3, Ga1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange sandy-silt.

Core 5 +1.50m OD

0-20

Topsoil

20-40

Component Missing

40-80

As3, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown-orange clay with some turfa.

80-85

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-grey iron-stained silty-clay.

85-130

As4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft buttery dark grey clay.

130-300

Ag3, Ga1, Th³⁺

nig. 2+, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey sandy-silt with some laminations and well humified organic matter.

300-308

Th²1, As3, Ag+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown clay-rich peat with some silt.

308-338

Ag3, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey sticky clayey-silt.

338-420

Ag3, Ga1, Lf+, Th²⁺

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Yellow-brown sandy-silt with some turfa.**Core 6 +1.40**

0-20

Topsoil

20-80

Ag1, As3, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown silty-clay.

80-170

As3, Ag1, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay.

170-185

Th²1, As3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown-grey organic-rich clay.

185-445

As4, Th²⁺, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey buttery clay with occasional shells.

445-465

Th²1, As3, Ag+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Organic clay with some silt and dark grey in colour.

465-477

Dl2, Th²(Phra)1, As1

nig. 3+, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Smelly and well humified detrital peat with some turfa and unidentifiable seeds.

477-496

Th³2, Sh2, As+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified black turfa peat.

496-523

As3, Th1, Th³+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black clay with struck flint at 505cm. Very soft and buttery.

523-600

Component missing. Gravel at 600 but sampling very poor.

Core 7 +1.32m OD

0-40

Topsoil

40-110

Ag1, As3, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft silty-clay with iron-staining.

110-480

As2, Ag2, Th³+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft battleship-grey silty-clay with well humified black turfa.

480-490

As3, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Transitional zone to peat below. Grey-brown organic-rich clay.

490-525

Th²(Phra)2, Sh1, As1

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Black humified Phragmites peat with some clay and slightly laminated. Impenetrable flints at 525cm.

Core 8 +1.32m OD

0-30

Topsoil

30-100

As₃, Ag₁, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-grey silty-clay, mottled with iron-staining.

100-177

Ag₂, As₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay.

177-185

Th²⁺₁, As₃

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark-grey peaty clay.

185-490

Ag₂, As₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay.

490-520

Ag₂, As₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Organic content high in a dark grey silty-clay which is soft and buttery.

520-523

Th²⁺₂, As₂

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 2

Soft grey-brown turfa with some clay, with sharp upper contact.

523-545

Th²⁺₃, Th³(Phra)₁, Gg(min)⁺, Ga⁺

nig. 4, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Well humified turfa with some Phragmites. Smelly, black and laminated. Compact and 3 flints in the bottom 5cm. of the peat. Impenetrable. Very small flint flecks throughout with quartz grains visible to the eye.**Core 9 +1.59m OD**

0-40

Topsoil

40-100

As₃, Ag₁, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown silty-clay.

100-200

Ag3, Ga1

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Dark grey silt with some sand.

200-380

Ag3, Ga1

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Dark grey silt with some sand and finely laminated.

380-390

Ag3, part test moll 1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silt with many shells.

390-460

Ag3, Ga1

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Dark grey silt with some sand.

460-570

As2, Ag2, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark grey silty-clay with occasional broken shells.

570-600

Th²1, As1, part test moll 1, Ag1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay with turfa and Scrobicularia. Many shells recorded with well humified turfa remains. Impenetrable.

Core 10 +1.73m OD

0-40

Ga4

nig. 2, strf. 0, sicc. 3+, elas. 0, lim. sup. 0

Very compact orange sand. Hard coring.

40-70

Th²2, As2, part test moll+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified peat with some clay as well as unidentified shells.

70-500

Ag1, As3, Th²+

nig. 2, strf. 0, sicc. 3+, elas. 0, lim. sup. 0

Soft and buttery grey clayey-silt with some organic material.

500-565

As3, Ag1, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey silty-clay with some Scrobicularia.

565-585

Th³(Phra)1, Th², As1

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown or black well humified compact peat with some Phragmites and rare flints to base and impenetrable at 585.**Core 11 +1.95m OD**

0-25

Ga4

nig. 2, strf. 0, sicc. 3+, elas. 0, lim. sup. 0

Compact clean orange sand.

25-40

Th³1, As3, part test moll+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey clay with high turfa content.

40-120

As2, Ag2, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sticky orange-brown silty-clay with pockets of iron-staining.

120-280

Ag2, As2, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay with some laminations of coarser silt. Grey and stiff.

280-500

As3, Ag1, part test moll+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft and buttery dark grey silty-clay.

500-570

Component missing

Basal gravel hit at 570 but no sample despite repeated efforts.

Core 12 +1.89m OD

0-20

Ga4, Gg(maj)+

nig. 2, strf. 0, sicc. 4, elas. 0, lim. sup. 0

Yellow sand with occasional flints 3-6cm. Very compact.

20-30

Th³1, As3, part test moll+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Organic-rich clay as before with rare Planorbis spp. fresh shells.

30-50

As2, Ag2, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown silty-clay with iron-staining and quite sticky.

50-235

As₂, Ag₂

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silty-clay soft and buttery.

235-260

Th², As₂

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey turfa-rich clay.

260-370

As₂, Ag₂, Th²+, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft silty-clay with Scrobicularia increasing to base.

370-404

Ga₁, Ag₃

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact grey-blue silt with some sand.

404-505

Ag₄

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Khaki brown silt - very compact.

Core 13 +0.97m OD

0-20

Ga₄

nig. 2, strf. 0, sicc. 4, elas. 0, lim. sup. 0

Orange-yellow dry sand.

20-60

Th², As₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey organic-rich clay.

60-210

As₄, Th³+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark grey clay with some turfa.

210-370

Ag₃, As₁, part test moll+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Laminated silt with some clay becoming softer and more buttery towards base. Shell remains increase to base.

370-420

Ag₄

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 3

Impenetrable khaki-brown silt.

A1.1.3. Transect 2 NGR TR 25 2415 6040.**Core 25 +1.61m OD**

0-30
Topsoil

30-35
Th²3, Ag+, Sh1
nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark brown turfa with some silt. Quite soft and humified.

35-53
Ag+, As2, Th²2
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Clayey turfa - dark grey and soft.

53-140
Th²1, Th²(Phra)2, As1
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Phragmites peat, well humified and dark brown in colour with
some clay.

140-156
Th²(Phra)2, As2
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft clayey-Phragmites peat - transitional to stratum below.

156-250
As2, Ag2, Th²(Phra)+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft battleship-grey silty-clay with some Phragmites.

250-300
Ag4, Lf+, Th²+
nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0
Grey slightly laminated silt with iron-staining.

300-513
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Ag3, Ga1
Wet, orange sandy-silt - Brickearth ?

Core 26 +1.65m OD

0-20
Topsoil

20-60
Th²4
nig. 4, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Black turfa - Quite dry and fibrous.

60-150

As1, Th²3, Th²(Phra)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clayey turfa, grey brown in colour with Phragmites increase to base.

150-260

As2, Ag2, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship grey silty-clay with some Phragmites.

260-460

Ga2, As2, Ag+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey laminated sandy-silt.

460-470

Ag4, Ga+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 2

Light khaki-brown silt with some sand with a sharp upper contact.

470-473

Ga4, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey sand with lots of Scrobicularia and Hydrobia spp. overlying gravel.**Core 27 +1.37m OD**

0-40

Topsoil

40-50

Th²3, Ag1, Gg(maj)+, Ga+, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown silty-peat with occasional angular flints.

50-60

Th²2, As2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay-rich turfa.

60-80

Th²3, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown turfa with some silt although less than stratum above.

80-190

As2, Ag2, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship grey silty-clay with some Phragmites - soft and buttery.

190-290

Ag4, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-blue silt with some turfa.

290-460

Ga2, Ag2

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey laminated sandy-silt.

460-510

Ga4, part test moll+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Coarse, well laminated sand with some sand overlying gravel.

Core 28 +1.55m OD

0-30

Topsoil

30-70

Th², As2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown-grey clay-rich turfa.

70-190

As2, Ag2, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some silt and occasional Substantia humosa. Soft and buttery.

190-380

Ag2, Ga2

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well laminated sandy-silt.

380-500

Ga4

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey sand - laminated. Impenetrable at 500cm. - gravel.

Core 29 +1.71m OD

0-50

Topsoil

50-500

As2, Ga2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

A soft grey-white silty-sand becoming laminated below 250cm.

500-520

Ga4, Dh+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey sand - gravel at 520cm.

Core 30 +1.38m OD

0-30
Topsoil

30-190
As3, Ag1, Lf+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey-brown silty-clay with some iron-staining.

190-200
As3, Th²1
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Turfa-rich clay.

200-220
Ag2, As2
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft battleship-grey clay with some silt.

220-520
Ag4
nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0
Grey laminated silt over gravel.

Core 31 +1.16m OD

0-30
Topsoil

30-170
As3, Ag1, Th²+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey silty-clay with turfa - quite firm.

170-194
Th³1, As3, Ag1
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Silty-clay with some turfa.

194-580
As2, Ag2, Th²+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Battleship-grey clay with some silt and turfa.

580-600
Ag2, part test moll 1, Ga1, D1+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey sandy-silt with lots of Hydrobia spp. and Scrobicularia. Gravel at 640cm.

Core 32 +1.06m OD

0-30
Topsoil



30-110

As3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-orange silty-clay with iron-staining.

110-574

As2, Ag2, Th³⁺, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some black well humified turfa.

Occasional broken shells recorded towards base.

574-590

Th²(Phra)2, Sh1, As1

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Black compact and well humified peat with occasional quartz grains and very small pieces of gravel. Gravel impenetrable at 590cm.

Core 33 +1.06m OD

0-40

Topsoil

40-110

As3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Mottled orange-grey sticky silty-clay with some iron-staining.

110-515

Ag1, As3, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark-grey silty-clay with some turfa.

515-550

Ag4, part test moll+

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Dark grey silt with some Scrobicularia.

550-570

As3, Ag1, Th³⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Organic silty-clay in a transitional zone to the peat below.

570-597

Th³(Phra)3, Sh1, As+

nig. 4, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Compact black, well humified Phragmites peat.

597-605

Th³(Phra)2, Th³2, As+, Gg(min)+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified black turfa with some Phragmites and some clay. Occasional quartz grains visible to eye. Impenetrable because of gravel.

A1.2. North and South Poulders.A1.2.1. Transect 1 NGR TR 25 3170 5870.

Core 1 +1.79m OD

0-30

Topsoil

30-57

Ag3, Ga1, Lf+, Th²⁺

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey-brown sandy-silt with iron-staining. Quite soft and sticky. Occasional flecks of Chalk becoming finer with depth.

57-62

As2, Ag2, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clayey-silt with lots of iron-staining and slightly blocky character.

62-67

Ag3, As1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clayey-silt, grey in colour.

67-112

Th³⁺, Ga1, Ag3, Lf+

nig. 2+, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Sandy-silt, light-brown. Slight laminations and a sharp upper contact.

112-370

Ag4, Ga+, Sh+

nig. 2+, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Laminated silt with thin laminations of sand and quite wet. Grey to dark-grey in colour and occasional black Substantia humosa.

370-380

As1, Ag3, Dh+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Dark grey clayey-silt with some detrital organic matter.

380-500

As3, Ag1, Dh+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay with occasional detrital organic material and some iron-staining.

500-510

Ag4, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact green-blue silt with some turfa, impenetrable.

Core 2 +1.82m OD

0-30

Topsoil

30-80

As2, Ag2, Lf+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Quite compact orange-grey clayey-silt with some iron-staining.

80-83

Ag1, As3

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Grey silty-clay.

83-138

Ag4, Lf+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 4

Compact, khaki silt with iron-staining.

138-200

As3, Ag1, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft grey-black silty-clay with rare Substantia humosa.

200-470

As3, Ag1, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Same as stratum above but becoming darker with depth with some turfa. Dark grey-black in colour.

470-480

Ag4, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact silt with some turfa.**Core 3 +1.85m OD**

0-30

Topsoil

30-70

As2, Ag2, Lf+

nig. 2+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Orange-brown silty-clay, sticky and hard coring.

70-200

Ag3, As1, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey-blue clayey-silt softer than above and slightly orange (iron-staining?). Becoming darker with depth.

200-270

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft blue silty-clay.

270-405

As3, Dh1, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay with quite high organic content with some turfa present. Very soft and buttery.

405-455

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue silty-clay, very soft.

455-485

Ag4, Ga+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue silt, some sand and very compact.

Core 4 +1.82m OD

0-40

Topsoil

40-100

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Sticky silty-clay with iron-staining. Orange-grey in colour but change to grey below 100cm.

100-234

As4, part test moll+, Sh+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black clay with some shells. Shells common below 210cm., very soft.

234-275

As3, Th²1, D1+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Clay - grey-brown and rich in turfa. Occasional woody detrital material.

275-300

Th²2, As2

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humufied turfa with some clay. Dark grey, nearly black and soft.

300-310

Ag3, Ga1, Gg(maj)+

nig. 1, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Coarse sandy-silt with some angular flints 1.5 cm. diameter. White, compact and dry.

310-340

Ag4, Gg(maj)+

nig. 3/2+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Green mottled stiff silt with rounded stone.

Core 5 +2.00m OD

0-40
Topsoil

40-80
As3, Ag1, Lf+
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Orange-grey mottled silty clay.

80-157
As2, Ag2, Lf+, part test moll+
nig. 2+, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Sticky silty-clay with iron-staining, rare shells and orange-grey in colour.

157-163
As2, Ag2, Th²⁺
nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey-brown silty-clay with some turfa. Very thin and soft.

163-175
Ag3, Ga1
nig. 1+, strf. 0, sicc. 3, elas. 0, lim. sup. 0
White compact sandy-silt

175-220
Ag3, Ga1, Lf+, Th²⁺
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Green silt with some sand and turfa. Mottled and impenetrable.

Core 6 +1.95m OD

0-40
Topsoil

40-120
As3, Ag1, Lf+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Sticky silty-clay with some iron-staining.

120-160
Ag2, As1, Ga1
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Silt with some clay and sand.

160-215
Ag3, Ga1
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Sandy-silt - green or grey in colour.

Core 7 +1.91m OD

0-40
Topsoil

40-100

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sticky clayey-silt.

100-140

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sticky clayey-silt with iron-staining. Towards base two rounded stones were found.

140-210

Ag3, Ga1, Th²⁺, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sandy-silt.

Core 8 + 2.06m OD

0-50

Topsoil

50-80

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sticky clayey-silt with some iron-staining.

80-168

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Khaki-brown soft clayey-silt.

168-330

As3, Ag1, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown-black soft silty-clay with occasional black Substantia humosa. Very soft.

330-360

As3, Ag1, part test moll+, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Same as stratum above but shells appear and flint at 348cm.

360-390

Ag1, As3

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey-brown clayey-silt.

390-400

Ag4

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 3

Green silt compact and impenetrable.

Core 9 +1.69m OD

0-30

Topsoil

30-120

Ag1, As3, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange mottled grey clay with some silt. Tenacious becoming greyer with depth.

120-160

Ag1, As3, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Strongly iron-stained silty-clay becoming blocky towards base.

160-240

As3, Ag1, Sh+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft dark grey silty-clay with some Substantia humosa.**Core 10 +1.95m OD**

0-30

Topsoil

30-75

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown mottled silty-clay with iron-staining as well as occasional chalk nodules.

75-110

As2, Ag2, Lf+, Th²⁺, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft brown-black silty-clay with some turfa and iron-staining.

110-170

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Quite sticky and dry clayey-silt. Khaki-brown in colour.

170-270

As3, Ag1, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft silty-clay.

270-280

Ag2, As2, Th²⁺, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey silty-clay with some turfa. Shells increase with depth.

Transitional to stratum below.

280-297

As1, Ag1, Sh2, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown clay with some silt, fine with flat round shells (Planorbis spp. ?). Well humified and no macroscopic plant remains.

297-350

As3, Ag1, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft creamy-white shelly clay with some silt, very fine.

350-395

Ag4, part test moll+

nig. 3+, strf. 0, sicc. 3, elas. 0, lim. sup. 0,

Dark grey-black silt, still with some shells, but these decrease with depth. Quite compact, at 310cm., a 6cm. long piece of Quercus recorded on second coring.

Core 11 +1.90m OD

0-40

Topsoil

40-80

Ga3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse silty-sand with mottled iron-staining and not as sticky as before.

80-155

Ga4, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-black sand with some Substantia humosa. Soft and wet.

155-186

Ag3, Ga1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light grey silt with some sand, quite sticky.

186-220

As3, Ag1, Sh+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft, khaki-brown silty-clay with some Substantia humosa.

220-240

Th²1, Sh2, Ag1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft, dark brown well humified peat with silt and Substantia humosa. Some turfa also present.

240-278

Sh1, part test moll 1, Th²1, As1, D1+

nig. 1, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft well humified organic-clay. One piece of Quercus 4cm., long. Shells increase with depth. Light brown to base and Hydrobia spp. found.

278-339

As2, part test moll 2, Th²+

nig. 1, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Quite dry shelly-clay with some turfa. White-grey in colour with some Hydrobia spp.

339-349

Ag4, Dh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Compact green-grey silt.

Core 12 +2.16m OD

0-40

Topsoil

40-80

Ga4, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Yellow coarse sand - sloppy with some iron-staining present.

80-144

Ga4, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-dark grey sand with some Substantia humosa which increases below 110cm.

144-210

Ag3, As1, part test moll+, Sh+, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 2

Very soft dark grey clayey-silt with shells as well as some turfa.

210-230

Ag3, As1, Th²+, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Khaki-brown soft clayey-silt with some shells and some turfa.

230-265

As2, part test moll 1, Ag1, Th²+

nig. 1, strf. 0, sicc. 2, elas. 0, lim. sup. 0

White clay-rich shell deposit with some turfa.

265-300

Ag2, As1, part test moll 1

nig. 1, strf. 0, sicc. 2, elas. 0, lim. sup. 0

White-grey clayey-silt with shells.

300-320

Ag₄, Ga⁺, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-brown sandy-silt.

Core 13 +1.92m OD

0-30

Topsoil

30-70

Ag₂, As₂, Th²⁺, Lf⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft clayey-silt with some iron-staining. Mottled grey-orange in colour.

70-137

As₃, Ag₁, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey mottled silty-clay with some iron-staining.

137-220

As₃, Ag₁, Sh⁺, part test moll⁺, Gg(maj)⁺

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft black clay becoming coarser with depth and some eroded silt pockets. Pebble 1cm., at 175cm.

220-300

Same as stratum above, but change colour at 300cm., to grey and some turfa recorded.

300-332

Ag₃, As₁, Th²⁺, part test moll⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clayey-silt with some turfa and shells - soft.

332-350

Ga₃, Ag₁, Lf⁺, Th²⁺

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 3

Laminated silty-sand, green and orange in colour. Compact and with occasional turfa remains.

Core 14 +1.96m OD

0-40

Topsoil

40-120

Ag₄, Lf⁺

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Stiff silt with some iron-staining and light-grey in colour.

120-320
 Ga3, Ag1, Th²⁺
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Green-blue sand with some silt and turfa.

320-325
 Ga2, Ag2, Lf+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Green mottled sandy-silt.

Core 15 +1.96m OD

0-40
 Topsoil

40-95
 As3, Ag1, Lf+
 nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Orange-brown mottled silty-clay with some iron-staining.

95-105
 As+, Lf+, Ag4, part test moll+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Dark grey clayey-silt with some shells and some iron-staining.

105-115
 Ag4, Lf+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Grey-brown dry silt with some iron-staining.

115-125
 Th²1, Ag3, part test moll+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft sandy-silt with some turfa and shells. Creamy-brown in colour.

125-170
 Ag4, Lf+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Orange-grey silt.

170-310
 Ag1, Ga3, Lf+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Mottled silty-sand, grey with some iron-staining.

Core 16 +2.00m OD

0-30
 Topsoil

30-92
 As1, Ag3, Lf+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft brown clayey-silt with some iron-staining.

92-110

As3, Ag1, Dl+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft light-brown silty-clay with rare detrital wood and iron-staining.

110-120

Ag3, Ga1

nig. 1, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Hard compact white sandy-silt.

120-180

Ag4, Ga+, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown silt with some iron-staining and sand.

180-310

Ag1, Ga3, Dl+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green mottled silty-sand.

Core 17 +1.86m OD

0-30

Topsoil

30-123

Ag3, Ga1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Wet orange sandy-silt with some iron-staining.

123-218

Ag1, As3, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange mottled soft silty-clay with some iron-staining.

218-252

Ag1, As3, Th²⁺, part test moll+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clayey-silt with some shells, turfa and rare shells.

252-320

Ag4, Ga+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Impenetrable sandy-silt with some iron-staining.

Core 18 +1.87m OD

0-40

Topsoil

40-90

As3, Ag1, Lf+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Orange-brown silty-clay, mottled with iron-staining.

90-165

As3, Ag1, Lf+

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Soft silty-clay, grey-orange in colour. Some blocky iron staining @ 150-165cm. Laminations increase with depth.

165-186

As3, Ag1, Sh+, Th²⁺

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black silty-clay with some well humified turfa.

186-270

As4, Th²⁺, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light-grey brown soft and buttery clay with some turfa and rare shells.

270-310

Ag2, Ga2, Lf+, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-brown sandy-silt.

A1.2.2. Transect 2 NGR TR 25 3180 5850**Core 1 +1.70m OD**

00-45
Topsoil

45-160
As₂, Ag₂, Lf⁺
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Orange-brown silty-clay with some iron-staining - very stiff.

160-175
As₃, Ag₁
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey-black clay with some silt.

175-250
As₃, Ag₁, Th²⁺
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Nearly black silt with some clay and turfa.

250-267
As₄, Ag⁺, Th²⁺
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft silty-clay with some turfa.

267-274
As₃, Th³₁
nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft clay with some turfa.

274-288
Ag₄, Gg(maj)⁺
nig. 2, strf. 0, sicc. 2+, elas. 0, lim. sup. 0
Coarse silt with occasional pebbles 2-3cm., in diameter - grey-whitish in colour.

288-330
Ag₃, As₁, Sh⁺, Th²⁺
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Compact brown clayey-silt with some humified organic material and turfa, sample poorly.

330-340
As₁, Ag₃
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Green-brown compact clayey-silt.

Core 2 +1.57m OD

00-40
Topsoil

40-107

As2, Ag2, Lf+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Orange-brown silty-clay with some iron-staining - very compact.

107-200

Ag1, As3

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clay with some silt, very soft becoming darker towards base.

200-208

Ga2, Ag2, Gg(maj)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse sandy-silt with angular and rounded flints up to 2cm., in diameter.

208-320

Ag4, Lf+, Th²⁺

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Green silts with some turfa and iron-staining.**Core 3 +1.66m OD**

00-40

Topsoil

40-128

As2, Ag2, Lf+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Orange-grey silty-clay with iron-staining.

128-200

As3, Ag1, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft silty-clay with some turfa which increases to base.

200-250

As3, Th²⁺, Ag+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clay with some turfa.

250-278

Th³⁺, As1, Sh1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown clay-rich turfa. Organic content increase towards base.

278-285

Ag4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silt.

285-320
Ag4, Ga+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Green-grey compact sandy-silt.

Core 4 +1.62m OD

00-50
Topsoil

50-140
As2, Ag2, Lf+
nig. 2+, strf. 1, sicc. 2, elas. 0, lim. sup. 0
Orange-grey clayey-silt with iron-staining.

140-200
As3, Ag1, Th²⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey silty-clay with some turfa.

200-300
Component missing

300-380
As3, Ag1
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey silty-clay.

380-390
Ag4, Ga+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Green-brown very compact sandy-silt.

Core 5 +1.50m OD

00-40
Topsoil

40-65
As3, Ag1, Lf+
nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Orange-grey clay with some silt and some iron-staining.

65-75
As2, Ag2, Lf+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey silty-clay with some iron-staining.

75-155
Ag4, As+
nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Orange-brown silt with some grey clay inclusions.

155-225

Ag₃, As₁, Sh⁺, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-black clayey-silt with some turfa.

225-240

As₃, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Turfa-rich soft black clay.

240-470

As₄, Ag⁺, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay with some turfa, soft and blue-grey in colour.

470-477

Ag₄, Sh⁺

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Dark grey or brown silt with some Substantia humosa.

477-483

Ag₄, Ga⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey compact sandy-silt.

483-500

Ag₄, Sh⁺

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 4

Dark grey or brown silt with some Substantia humosa and an eroded upper contact.

500-513

Ga₁, Ag₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very compact green-brown silt with some sand.

Core 6 +1.50m OD

00-40

Topsoil

40-90

As₂, Ag₂, Lf⁺, Th²⁺

nig. 2, strf. 0, sicc. 3, elas. 0, lim sup. 0

Hard compact silty-clay with iron-staining and rootlets.
Green-blue in colour becoming softer with depth.

90-112

Ag₃, As₁, Lf⁺, Ga⁺

nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Orange-grey clayey-silt with some sand and iron-staining.

112-240

As₃, Ag₁, Th³⁺

nig. 2/3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown silty-clay with some turfa and becoming darker with depth.

240-535

Ag₃, As₁, part test moll+, Th²⁺, Ga+

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Soft laminted clayey-silt with rare shells recorded as well as some turfa. Some coarser laminations of sand found.

535-545

Ag₄, Ga+, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green sandy-silt with some turfa.

A1.3. Stewarts Folly NGR TR 25 3350 5680**A1.3.1. Transect 1****Core 1 +1.92m OD**

00-40
Topsoil

40-85
Ag1, Ga3, Lf+
nig. 2, strf. 1, sicc. 3+, elas. 0, lim. sup. 0
Brown-yellow silty-sand with occasional Chalk flecks and iron-staining. Compact and greener below 50cm.

85-173
Ga4
nig. 2, strf. 2, sicc. 3+, elas. 0, lim. sup. 0
Orange-brown homogenous sand with some slight laminations and compact. Become greener below 100cm.

173-182
Chalk. Very sharp contact to stratum above.

Core 2 +1.56m OD

00-30
Topsoil

30-90
Ag2, Ga2, Lf+
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Silty-sand with some iron-staining and a ball of sand 1.5cm., diameter recorded. Become slightly softer below 90cm.

90-100
Weathered Chalk with flints.

Core 3 +1.34m OD

00-30
Topsoil

30-50
Ag2, Ga2, Lf+
nig. 2, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Sandy-silt with iron-staining, grey-brown in colour and quite soft.

50-80
Ag2, As1, Ga1, Lf+
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Soft brown sandy-silt with some clay present and iron-staining.

80-100
Weathered Chalk with an eroded contact.

Core 4 +1.59m OD

00-30
Topsoil

30-170
Ga3, Ag1, Lf+
nig. 2, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Fine sand with some silt and iron-staining. Brown, becoming orange with depth as the iron content increases.

170-175
Weathered Chalk with flint on contact

Core 5 +1.87m OD

00-30
Topsoil

30-170
Ga3, Ag1, Lf+
nig. 2, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Silty-sand with some iron-staining, brown in colour.

170-175
Weathered Chalk.

Core 6 +1.79m OD

00-30
Topsoil

30-80
Ag1, Ga3, Lf+
nig. 2, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Silty-sand with some iron-staining.

80
Chalk.

Core 7 +1.81m OD

00-30
Topsoil

30-70
Ag1, Ga3, Lf+
nig. 2, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Ga3, Ag1, Lf+
Silty-sand with some iron-staining.

70
Chalk

A1.3.2. Transect 2**Core 1 +1.36m OD**

00-30
Topsoil

30-60
Ag2, Ga2, Lf+
nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Yellow-brown sandy-silt with some iron-staining.

60-170
Ga4
nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Green-brown-grey laminated sand.

170 Chalk.

Core 2 +1.21m OD

00-30
Topsoil

30-80
Ag3, Ga1, Lf+
nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Grey sandy-silt which is dry and compact with some iron-staining.

80-160
Ga2, Ag2, Lf+
nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Yellow-brown sandy-silt. Quite compact and dry.

160-170
Weathered Chalk.

Core 3 +0.81m OD

00-35
Topsoil

35-40
Ga3, Ag1
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Light-brown silty-sand with some iron-staining and occasional Chalk fragments.

40-76
Sh3, Ga1, Lf+
nig. 3, strf. 0, sicc. 3+, elas. 0, lim. sup. 4
Dark brown well humified peat. Compact and dry, crumbly with no macrofossils but occasional sand grains, iron-staining and Chalk flecks.

76-130

Ag₂, As₂, Th²(Phra)+, Lf+, Dl+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft creamy-brown silty-clay with occasional rounded flints. At top of layer the organic content is high with some detrital wood present but only in small amounts. Below 130cm., Phragmites recorded.

130-160

Ag₂, As₂, Ga+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-brown-grey silty-clay with a trace of sand.160

Flints - impenetrable.

Core 4 +1.36m OD

00-30

Topsoil

30-130

Ga₃, Ag₁, Lf+

nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Brown-orange silty-sand with some iron-staining.

130-140

Ga₃, Gg(min)₁, Ag+, Lf+

nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Brown-orange coarse sand with rounded gravel.

Core 5 +1.79m OD

00-30

Topsoil

30-90

Ag₁, Ga₃, Lf+

nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Brown-orange silty-sand with some iron-staining, quite compact.

90-110

Ag₂, As₂, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft, buttery dark grey silty-clay with some Substantia humosa.

110-120

Ag₂, Ga₂, Lf+, Gg(maj)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Yellow-brown silty-sand with iron-staining and occasional rounded flints.

120-125

Weathered Chalk.

Core 6 +0.79m OD

00-30
Topsoil

30-45
Ag₂, Ga₂, Lf⁺, Sh⁺
nig. 3, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Slightly laminated dark-brown silty-sand with lighter iron-stained patches and occasional Chalk fragments.

45-80
Sh₄, Ga⁺, Lf⁺, Dl⁺
nig. 3, strf. 0, sicc. 3, elas. 1, lim. sup. 0
Very humified dry crumbly peat with quartz grains and some detrital wood.

80-120
As₂, Ag₂
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft, buttery grey silty-clay.

120-136
Ag₂, Ga₂, Lf⁺, part test moll⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Mottled grey silt with some sand, iron-staining and rare shells.

136-155
Ga₁, As₁, Ag₂, Lf⁺, Th³⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey silt and some sand mottled with iron-staining and some turfa, finer than stratum above.

155-162
Gg(maj)⁺, Ag₃, Ga₁, Th³⁺, Sh⁺, Lf⁺
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey soft sandy-silt with occasional organic remains and iron-staining. Towards the base of the stratum black, well humified roots penetrate the Chalk.

162
Chalk.

Core 7 +0.845m OD

00-30
Topsoil

30-100
Ag₁, Ga₃, Lf⁺
nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Orange-grey silty-sand with iron-staining.

100-165

Ag3, Ga1, As+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft sandy-silt with some clay, orange in colour and finer than stratum above. Become grey below 145cm.

A1.3.3. Transect 3.**Core 1 +1.13m OD**

00-30
Topsoil

30-60
As₂, Ag₂, Th²⁺, Lf⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey silty-clay with rootlets and some iron-staining.

60-85
Th²(Phra)₁, Th³
nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Dark brown and wet fibrous turfa.

85-224
Ag₁, As₃, Th²(Phra)₊
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 02
Soft battleship-grey silty-clay with some Phragmites present. Phragmites content decrease with depth below 208cm., and occasional eroded peat ball found.

224-256
Sh₁, Dl₁, Th²(Phra)₂₊
nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 2
Dark brown-black turfa with some woody pieces. Moist, with Phragmites content increasing towards base.

256-312
Sh₁, Th²(Phra)₃
nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 3
Same as stratum above, but an increase in Phragmites with rhizomes present towards base of stratum.

312-398
Ag₄, Th²(Phra)₊
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey silt with some Phragmites.

398
Impenetrable gravel.

Core 2 +1.61m OD

00-27
Topsoil

27-40
As₃, Ga₁, Lf⁺
nig. 3, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Brown compact sandy-silt with some laminations and Chalk nodules with iron-staining.

40-69

Ga+, Ag3, As1, Gg (maj)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-brown soft sandy-silt becoming more organic with depth and rare rounded pebbles.

69-85

Th³, Sh1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Moist brown turfa.

85-89

Ga1, Ag3, Lf+, Anth+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Grey silt with some sand and occasional charcoal and Chalk flecks.

89-97

As1, Th², Sh1, Anth+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown turfa which is soft and well humified with some clay present as well as charcoal.

97-104

Sh+, Th², Th²(Phra)₂, D1+

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Phragmites-rich turfa which is slightly laminated towards base and brown in colour.

104-110

Ag3, Th²+, Lf+, Ga1, part test moll+, Anth+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey compact sandy-silt with some turfa, shells and charcoal, becoming softer with depth.

110-167

As2, Ag2, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay with some Phragmites.

167-173

Th²(Phra)₂, Th²

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown turfa with Phragmites and occasional orange seed (Potamogeton?) present.

173-175

As2, Th²

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark-grey turfa with some clay.

175-260

Th³, Th²(Phra)₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Brown, homogenous turfa with some Phragmites.

260-284

Ga₂, Gg(maj)+, Th²(Phra)+, Ag₂

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Coarse silt with some Phragmites and occasional flints. Quite compact with some finer laminations.

284-382

Ag₄, Sh+, Th²(Phra)+, Gg(maj)+

nig. 2+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Dark grey silt with occasional rounded pebble and Phragmites, softer than stratum above.

382

Impenetrable flints

Core 3 +1.07m OD

00-20

Topsoil

20-35

As₃, Ga₁, Lf+

nig. 3, strf. 1, sicc. 3, elas. 0, lim. sup. 0

Brown compact sandy-silt with some iron-staining becoming softer to base.

35-42

As₂, Ga₂, Th²+, Sh+, Gg(maj)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact dark brown silty-sand with some roots and rare smooth rounded pebbles.

42-51

Th²₃, As₁, Gg(maj)+, Ga+, Th²(Phra)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Turfa with some Phragmites to base and becoming yellow in colour. Rare pebbles in peat 2-3 cm., in diameter, which are very well rounded.

51-55

Th²(Phra)₄, As+

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Brown Phragmites-rich peat with some clay.

55-92

As₂, Ag₂, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey clay with some Phragmites becoming darker to base.

92-103

Ag₄, Gg(maj)+, Th²(Phra)+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black silt with some Phragmites and quite common angular ceramic flints.

103-130

Ag4, Th²(Phra)+, Ga+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Light-grey sandy-silt with some Phragmites.

130-220

Ag3, As1, Th²(Phra)+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft slightly orange clayey-silt with some Phragmites.

220-310

Ag3, Ga1, Dl+, Th²(Phra)+

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Green-grey sandy-silt with some detrital wood and Phragmites, becoming coarser below 270cm., and small Chalk flecks found. Slightly laminated.**Core 4 +1.13m OD**

00-15

Topsoil

15-23

Ag3, Ga1, Th²+, part test moll+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Light-brown sandy-silt with modern roots, rare flints and occasional shells.

23-27

Ag3, Th²+, Gg(maj)+, part test moll+, Ga1

nig. 2+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Brown-grey sandy-silt with some turfa, rare smooth pebbles and shells with occasional Chalk flecks.

27-34

Ag3, Ga1, Th²+, part test moll+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Light brown sandy-silt with rare small flints, some turfa and rare shells.

34-64

Sh2, Th²1, As1, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark brown well humified turfa with some clay.

64-85

Th²1, Sh1, Ag1, Ga1, Lf+, Gg(maj)+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey sandy-silt with some well humified turfa and rare angular flints with iron-staining.

85-102

Ag2, As1, Dl+, Sh+, Th²1, Gg(maj)+, Anth+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

A crumbly brown, fine clayey-silt with some charcoal and flecks of Chalk. Rare turfa and some detrital wood also recorded.

102-159

As2, Ag2, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some silt and Phragmites.

159-204

Ag3, Ga1, part test moll+, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Sandy-silt with some Scrobicularia and occasional Phragmites.

204-380

Ag4, Th³+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey compact silt with some turfa.

380-420

Ag2, Ga2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange silty-sand.

420 Impenetrable because of Chalk or flints.

Core 5 +1.47m OD

00-10

Topsoil

10-37

Gg(maj)+, Ag4, Lf+, Ga+, Th³+

nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0

Laminated sandy-silt with occasional rounded pebbles. Orange, stiff and brown with some iron-staining and rare turfa.

37-74

Sh2, Ga1, Ag1

nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0

Dark brown well humified turfa with some silt and quartz grains visible to eye.

74-80

Sh1, Th³1, As1, Ga1, Anth+, Gg(maj)+, Lf+

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Dark-brown well humified turfa with a high minerogenic component. Some iron-staining present, as well as charcoal and some sand.

80-120

Ag4, Ga+, Th³+, Lf+

nig. 2, strf. 0, sicc. 2+, elas. 0, lim. sup. 1

Grey sandy-silt with strong iron-staining in the channels of roots.

120-133

Same as stratum above but becoming finer towards base of stratum.

133-255

Ag³, Ga¹, Th³(Phra)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey mottled sandy-silt with eroded Chalk flecks as well as Phragmites.

255-260

Chalk - very weathered with large Chalk inclusions in lower parts of the sandy-silt.

A1.3.4. Transect 4.**Core 6 +1.58m OD**

00-40

Topsoil

40-55

Ga1, Ag3, Lf+, Th²⁺

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft brown silt with some sand and iron-staining.

55-65

Sh2, Th²1, Ag1

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Soft humified turfa with clay.

65-75

Ag3, As1, Lf+, Th²⁺

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey-brown clayey-silt with iron-staining and some turfa.

75-160

As2, Ag2, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft buttery silty-clay with some Phragmites, battleship-grey in colour.

160-171

Ag2, Th²(Phra)1, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0,

Dark-brown silty turfa with some Phragmites.

171-180

Ag3, Sh1, Th³(Phra)+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black silt with some well humified Phragmites.

180-300

Ag3, Ga1, Th²(Phra)+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown silt with some sand and Phragmites.**Core 7 +1.28m OD**

00-30

Topsoil

30-50

Ga1, Ag3, Lf+

nig. 2+, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Orange-brown laminated silt with some sand and some iron-staining.

50-70

Th²(Phra)₂, Sh₁, Ag₁, Lf+

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Brown silty-peat with some Phragmites and iron-staining.

70-180

Th²(Phra)₊, Th²⁺, As₂, Ag₂, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay with iron-staining in upper part of stratum, some turfa and Phragmites.

180-280

As₁, Ag₃, Th²(Phra)₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay with some Phragmites.

280-320

Th²(Phra)₁, Th₂₁, Sh₁, Th²⁺, As₁

nig. 3, strf. 0, sicc. 3, elas. 1, lim. sup. 4

Turfa with some Phragmites and clay content increasing with depth. Eroded upper contact.

320-380

Th²(Phra)₊, Gg(maj)₊, Ga₊, Ag₄

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silt with some flints and Phragmites, becoming green below 333cm.

380 Chalk.

Core 8 +1.17m OD

00-30

Topsoil

30-41

Ag₃, Ga₁, Lf+

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Grey-brown slightly laminated sandy-silt with rootlets and some iron-staining.

41-73

Th²₂, Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark-brown turfa with Phragmites. Slight increase in clay content 63-66cm., and clay content increase slightly towards base of stratum.

73-148

As₂, Ag₂, Th²(Phra)₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay with some Phragmites.

148-156

Th²(Phra)1, Th²3

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Phragmites-rich dark-brown turfa.

156-160

Th²(Phra)2, As2

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Grey-brown slightly laminated clayey peat with some Phragmites.

160-171

Th²(Phra)1, Th²3

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Phragmites-rich dark-brown turfa.

171-175

Th²(Phra)2, As2

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Grey-brown clayey peat, soft with some Phragmites.

175-234

Th²(Phra)2, Th²2, D1+

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Turfa-rich peat with twigs of Alnus and Betula to base.

234-300

Ag3, Ga1, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-blue sandy-silt with some Phragmites, becoming browner with depth.**Core 9 +1.24m OD**

00-20

Topsoil

20-40

Ga1, Ag3, Lf+

nig. 2+, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Orange-brown laminated silt with some sand and rare iron-staining.

40-70

Th²2, Th²(Phra)2

nig. 3+, strf. 0, sicc. 3, elas. 2, lim. sup. 0

Dark-brown turfa with some Phragmites.

70-132

Ag2, As2, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some silt and Phragmites. Organic content increase towards lower part of stratum.

132-143

As1, Ag1, Th², Th²(phra)+

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey-brown turfa with some silt, clay and Phragmites.

143-160

Th², Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark-brown Phragmites-rich turfa.

160-265

Ag3, Ga1, Th²(Phra)+

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Light-grey sandy-silt with some Phragmites and becoming green with depth and Chalk flecks.**Core 10 +1.26m OD**

00-30

Topsoil

30-50

Ag3, Ga1, Lf+, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown compact silty-sand with some iron-staining and rare turfa.

50-67

Th³, Sh1

nig. 3, strf. 2, sicc. 3, elas. 1, lim. sup. 0

Laminated dark brown turfa.

67-76

Th², As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft clay-rich grey-brown turfa.

76-84

Th²(Phra)₄

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well preserved Phragmites peat transitional to clay below.

84-200

As2, Ag2, Th²(Phra)+, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey soft silty-clay with some Phragmites. Some Scrobicularia to base.

200-240

Ag4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact silt with some iron-staining.

240-280

Ga4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange sand

280-300

Ga4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown sand.

Core 11 +1.62m OD

00-20

Topsoil

20-55

Ag3, Ga1, Lf+, Th²⁺

nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0

Orange-brown compact sandy-silt with some turfa and iron-staining.

55-98

Sh2, Th²1, Ag1, Lf+

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Brown humified peat with some turfa, clay and iron-staining.

98-109

Ag3, Th²(Phra)1, Th²2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silt-rich grey-brown turfa with some Phragmites.

109-150

Ag3, Th²(Phra)1, Lf+, Anth+

nig. 2, strf. 2, sicc. 2+, elas. 0, lim. sup. 0

Silt with some Phragmites and iron-staining. Some charcoal and well laminated.

150-220

Ag3, Ga1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-grey sandy-silt.

220-270

Ag3, Ga1

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green sandy-silt, change to light green with eroded Chalk flecks below 260cm.

A1.4. Hacklinge.**A1.4.1. Transect 2. NGR TR 25 3375 5430****Core H9 -0.26m OD**

00-135

Th²(Phra)₁, part test moll +, Sh₂, Gg min+, Ga+
nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0Dark brown turfa with some Phragmites and occasional small
flints and shells (unidentified).

135-157

As₂, Th²(Phra)₊, Sh₂, D1+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey brown clayey-peat with some detrital wood and rare
Phragmites.

157-167

Ag₃, Ga₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

White silty-sand.

Core H10 -0.48m OD

00-87

Th²(Phra)₂, Th²

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Soft dark brown Phragmites-rich turfa.

87-101

Sh₃, As₁, Th²₊, Ga₊

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified peat with some clay and sand, quite compact.

101-102

part test moll 2, Ag₂

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 3

Clay-rich shell deposit.

102-259

Sh₃, Th³₁, Th²(Phra)₊

nig. 4, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Very well humified sloppy turfa with some Phragmites.

259-330

Ga₁, Ag₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-grey sandy-silt.

Core H11 -0.56m OD

00-170

Th²(Phra)₃, Th²₁

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Phragmites-rich turfa, very fibrous and fresh.

170-175

Th², Sh₂, Dl+, Th²(Phra)+Dark brown turfa with some woody remains and some Phragmites.

175-188

part test moll 2, Sh₁, Th²(Phra)+, Th²₁

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark brown turfa with some woody remains (Alnus ?) and rare shells.

188-321

part test moll +, Th²(Phra)₁, Th²₂, Sh₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey brown shell-rich turfa.

321-374

As₄, Dh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark grey clay becoming battleship-grey with depth.

374-400

Th²(Phra)₁, Sh₃

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified peat with some Phragmites.

400-405

Ag₄, Anth +

nig. 2+, strf. 0, sicc. 2+, elas. 0, lim. sup. 3

Grey silt with some charcoal.

405-423

Th²(Phra)₁, Sh₃

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified peat with some Phragmites.

423-475

Ag₃, Ga₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey sandy-silt (Brickearth?).

Core H12 -0.67

00-170

Th²(Phra)₃, Th²₁

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Very fibrous turfa with some Phragmites.

170-332

Th²(Phra)₁, Dl+, Th²₃

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified turfa with some shells Phragmites and wood (Alnus ?).

332-338

As1, Th²(Phra)+, Sh2, Th²1, part test moll +.
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Grey brown turfa with some shells and clay in transitional zone.

338-463

As3, Ag1, part test moll +, Dh+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft battleship-grey silty-clay with some Hydrobia spp.

463-471

Th²(Phra)1, Th²1, Sh2
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 4
 Well humified turfa with some Phragmites and eroded upper contact.

471-485

part test moll 2, Th²(Phra)+, As1, Sh1
 nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Shell-rich clay with numerous shells of Planorbis spp.

485-539

Sh3, Th²1, Th²(Phra)+
 nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Well humified dark brown or black peat with some turfa and Phragmites.

539-541

As1, part test moll 2, Th²(Phra)+ Sh1
 nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Shell-rich clay with numerous shells of Planorbis spp and rare Phragmites.

541-578

Sh3, Th²(Phra)+, Th³1, D1+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Dark brown well humified peat with some Phragmites and detrital wood.

578-630

Ag3, Ga1
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Grey sandy-silt (Brickearth ?).

Core H13 -0.84m OD

00-50

Th²(Phra)3, Th²1, D1+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Phragmites-rich turfa with some detrital wood.

50-63

part test moll 4, As+, Th²+
 Yellow shell-rich deposit with some clay and turfa.

63-186

Th²(Phra)3, Th²1, D1+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Phragmites-rich turfa with some detrital wood.

186-325

Th²(Phra)1, Sh2, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown well humified turfa with some Phragmites.

325-335

Th²(Phra)2, Th²1, Sh1, As+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown turfa with some Phragmites.

325-580

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay, soft and buttery.

580-586

Sh2, As2, Th²+

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Grey, slightly laminated clay with some Substantia humosa and rare turfa.

586-590

Sh3, Th³1, D1+, Th²(Phra)+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown compact well humified peat with some wood (Alnus) and rare Phragmites.

590-595

part test moll 2, Sh2, As+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Shell marl with some Substantia humosa and some clay.

595-605

Sh3, Th³1, D1+, Th²(Phra)+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown compact and well humified peat with some wood (Alnus) and rare Phragmites.

605-655

Sh4, Th³, D1+, Th³(Phra)+

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Dark brown or black well humified and slightly laminated compact peat with some Phragmites.

655-665

Ga3, Ag1, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

White-grey silty-sand with some turfa, impenetrable (weathered Brickearth ?).

Core H14 -0.98m OD

00-80

Th²(Phra)4nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Light brown Phragmites-rich fibrous peat.

80-90

As2, Sh2, Th²+nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey-brown clay with some turfa.

90-180

Th²(Phra)4nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Light brown Phragmites-rich fibrous peat.

180-336

Th²(Phra)2, Th²2, D1+nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Reddish brown Phragmites-rich peat with some woody remains and turfa.

336-350

Sh2, Th²1, Th²(Phra)1, As+nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Light brown Phragmites with some turfa and some clay.

350-650

As3, Ag1, Th²(Phra)+nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Battleship-grey silty-clay with some Phragmites.

650-665

Th²(Phra)+, part test moll +, Sh1, Th²+, As3nig. 2+, strf. 1, sicc. 2, elas. 0, lim. sup. 0
Grey brown clay with some Phragmites and rare shells in transitional zone to lower deposit.

665-737

Th²(Phra)1, Th³+, Sh3, D1+nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 0
Black well humified peat with some woody remains and Phragmites. Piece of wood (Alnus ?) at 721cm.**Core H15 -0.97m OD**

00-35

Sh4, part test moll+, Th²+nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark brown well humified peat with some shells and turfa.

35-52

As₃, Th²₁, Ag⁺, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey brown turfa-rich clay with some silt and rare iron-staining.

52-95

Th²(Phra)₁, Sh₃

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black well humified peat with some Phragmites.

95-110

Th²(Phra)₂, Th²₂

nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Light brown Phragmites-rich fibrous turfa.

110-151

As₄, part test moll +, Th²(Phra)⁺, Ag⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay with some shells and Phragmites.

151-178

As₁, Th²(Phra)₂, Th²₁

nig. 3, strf. 0, sicc. 2+, elas. 0, lim. sup. 2

Clay-rich turfa with some Phragmites and eroded upper contact.

178-219

As₂, Th²(Phra)⁺, Th²₁, Sh₁

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown turfa-rich clay with some Phragmites.

219-425

Sh₃, Th²₁, Th²(Phra)⁺, D₁⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Reddish brown turfa with some Phragmites and detrital wood.

425-471

As₂, part test moll 2, Sh⁺, Th²(Phra)⁺.

nig. 2+, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Soft clay-rich shelly clay with numerous Planorbis spp. and finely laminated. Shells unbroken and rare Phragmites recorded.

471-488

part test moll 3, As₁, Sh⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Same as stratum above, but shell content increase and no Phragmites recorded.

488-657

As₃, part test moll 1

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Fine clay with some shells, becoming blue grey with depth.

657-661

Sh2³, Th²1, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay-rich turfa transitional zone to lower facies.

661-690

Sh4, Th³+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified amorphous peat with some turfa.

690-725

Th²(Phra)+, Sh4, Th³+

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact well humified amorphous peat with some turfa and occasional Phragmites.**Core H16 -0.96m OD**

00-24

Sh4, Th²+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified turfa.

24-74

As2, part test moll+, Th²(Phra)+, Sh2

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey shelly-clay with Planorbis spp. and some Phragmites.

74-307

As2, Ag2, Dh+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay. Between 150 and 250cm., the deposit becomes blocky in character.

307-323

Sh3, Th²1, Th²(Phra)+, As+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown grey turfa with some Phragmites and some clay.

323-358

D11, Sh3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Red brown woody detrital peat.

358-374

Th²(Phra)+, part test moll +. D1+, Sh3, Th²1, As+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown shell-rich turfa with occasional Planorbis spp., Phragmites and woody detritus.

374-555

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay.

555-620

As₂, Ag₂, part test moll +
 nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0
 Battleship-grey laminated silty-clay with some shells.

620-680

Sh₄, Dl⁺, Th²(Phra)⁺
 nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 4
 Black well humified peat with some Phragmites, detrital wood
 and shells immediately above the eroded upper contact.

680-742

As₃, Ag₁, Th²⁺
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Battleship-grey silty-clay with some turfa.

Core H17 -0.74m OD

00-50

Th²₂, Sh₂, Th²(Phra)⁺
 nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
 Dark brown fibrous turfa with some Phragmites.

50-65

Th²₂, As₂, Th²(Phra)⁺
 nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft blue grey turfa-rich clay with some Phragmites.

65-154

Th²(Phra)₂, Th²₂
 nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
 Light brown fibrous Phragmites-rich turfa.

154-170

Th²(Phra)₁, Th²₁, As₂
 nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Brown grey organic-rich clay with some turfa and Phragmites.

170-200

Th²(Phra)₁, Sh₃, As⁺
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Light-brown amorphous peat with some Phragmites and clay.

200-237

As₂, Th²(Phra)₁, Th²₁
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Grey brown clay with some turfa and Phragmites.

237-375

Sh₃, Th²₁, Th²(Phra)⁺, Dl⁺
 nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 0
 Red brown turfa with occasional woody remains and Phragmites.

375-385

Sh2, As+, Th²(Phra)+, part test moll 2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Shell-rich, well humified peat with unidentified shells and some Phragmites.

385-396

As1, Th²(Phra)+, Sh3, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey brown transitional zone with some Phragmites and rare turfa.

396-742

As2, Ag2, part test moll +, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay with some Scrobicularia and Phragmites.

742-765

Dl+, Th³(Phra)+, Sh3, Th³1

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Compact dark brown and well humified peat with some Phragmites and woody remains. Eroded upper contact with some broken shells.

765-785

Th²(Phra)1, Th³2, Sh1

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Slightly laminated brown Phragmites-peat with some turfa.

A1.4.2. Grid of Cores.

GR1 -0.84m OD

00-96

Th²₃, Th²(Phra)1

nig. 3, strf. 0, sicc. 4, elas. 2, lim. sup. 0

Dark brown turfa with some Phragmites remains. Dry in upper sections and occasional Chalk fragments. Phragmites content increases with depth.

96-120

As3, Th²(Phra)1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clay with some Phragmites. Soft and buttery.

120-138

As2, Th²(Phra)2

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Brown Phragmites-peat with some clay.

138-200

As3, Ag1, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey silty-clay with some Phragmites.

200-255

Th²₃, Th²(Phra)1, D1+

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Smelly turfa with some Phragmites and rare detrital woody remains. Reddish-brown and transitional to the overlying clay.

255-268

D14

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Red (Alnus ?) wood fill sampling chamber.

268-278

Th²₃, Th²(Phra)1, D1+

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Turfa with some Phragmites. Reddish-brown, with some detrital wood.

278-284

Th²₃, part test moll 1

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Fine turfa with occasional shells (unidentified).

284-300

As2, Th²(Phra)1, Sh1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very fine clayey-peat with some shells and Phragmites.

300-320

Th²(Phra)1, Th²3

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown humified peat with some Phragmites.

320-420

As3, Ag1, Th³(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey soft silty-clay with some well humified Phragmites.

420-520

Component missing

520-830

As3, Ag1, Th³(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some Phragmites.

830-840

Sh1, As3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact dark grey clay with some Substantia humosa.

840-860

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silty-clay.

GR2 -0.86m OD

00-73

Th²4

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown turfa with occasional well humified black units.

73-120

Th²(Phra)4

nig. 2, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Yellow-brown Phragmites-turfa, with Phragmites leaves and rhizomes.

120-150

As4, Ag+, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some silt and Phragmites.

150-160

Ag1, Th²2, Th²(Phra)1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay-rich peat with some Phragmites and silt - dark brown.

160-246

As4, Ag+, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some silt and Phragmites.

246-336

Th²₄, Th²(Phra)+

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Soft dark brown turfa with occasional Phragmites.

336-365

As₂, Th²₁, Sh₁, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Creamy clay-rich peat with some turfa Hydrobia spp. shells.

365-378

Th²₂, Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark brown turfa with some Phragmites.

378-660

As₄, Ag₊, Th²(Phra) +

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay with Phragmites remains.

660-744

Th²₂, Th²(Phra)₁, D₁₁

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Very compact red-brown woody peat. Hydrobia spp. shells increase to base with some Phragmites.

744-782

As₃, Ag₁, D₁₊, Dh₊, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 2

Soft grey silty-clay with some detrital wood and some Phragmites. Sharp upper contact.

782-790

As₂, Th²₂, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Yellow turfa-rich clay with high minerogenic content and some unidentified shells.

790-794

Th²₄

nig. 3+, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Black turfa.

794-1010

As₃, Ag₁, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with Phragmites remains.

1010-1020

Th²(Phra)₁, As₃

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay with some Phragmites.

1020-1040

As₄, Th²⁺, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sticky clay with some turfa and Hydrobia spp. shells.

1040-1060

Sh₁, Dl₁, Th²₁, As₁, part test moll+

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Compact slightly laminated peat - well humified. Shells increase to base and plant macrofossils decrease. Chalk fragments at base.

GR3 -0.59m OD

00-173

Th², Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Turfa with Phragmites increasing to base. Brown in colour becoming lighter with depth.

173-179

Th²(Phra)₃, As₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Phragmites-rich peat with slight increase in clay content - grey-brown in colour.

179-190

Th², Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Turfa with some Phragmites and brown in colour.

190-210

As₂, Th²(Phra)₂

3,0,2,0,0

Phragmites-rich turfa with some clay.

210-390

Th²₃, Th²(Phra)₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft dark brown/black turfa with some Phragmites.

390-566

As₄, Ag⁺, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey clay with some silt and turfa remains.

566-636

Th², Th²(Phra)₂

nig. 4, strf. 1, sicc. 2, elas. 1, lim. sup. 0

Black/dark brown Phragmites peat - compact and impenetrable.

GR4 -0.42m OD

00-180

Th², Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Brown Phragmites-rich turfa.

180-185

As₂, Th²

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown/grey clay-rich turfa.

185-245

Th², Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Phragmites-rich brown turfa.

245-266

Th², As₂

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clayey turfa - brown in colour, and soft.

266-370

Th², Th²(Phra)₂, D1+

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Phragmites-rich brown turfa with Alnus increase to base.

370-380

Th²(Phra)₂, As₂

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Phragmites increase as the clay content increases.

Transitional zone to the clay below.

380-535

As₄, Th²⁺, Ag⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft clay with some silt and turfa.

535-572

Th², Th²(Phra)₂, D1+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Woody turfa with some blood-red wood remains and somePhragmites.

572-590

Ga₃, Ag₁, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silty-sand with some turfa.

590-610

Ga₃, Ag₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-grey silty-sand with some Chalk fragments to base.

610-650

Ag₃, Ga₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Sandy-silt with small bits of eroded Chalk.

GR5 -0.84m OD

00-75

Th²₃, Th²(Phra)₁

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black turfa with some Phragmites.

75-80

Ga₃, Lf+, Gg (maj)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown silty-sand with some eroded Chalk and iron-staining.

80-94

Th²₃, Th²(Phra)₁

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black turfa with some Phragmites.

94-98

Ga₃, Lf+, Gg (maj)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown silty-sand with some eroded Chalk and iron-staining as 75-80cm.

98-110

Th²₃, Th²(Phra)₁

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black turfa with some Phragmites.

110-144

As₄, Th²+, Th²(Phra)₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-blue organic clay with some Phragmites. Organic content increase to base in a good transitional zone to underlying peat.

144-156

Th²₂, Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Brown Phragmites-rich turfa with transitional zone to clay beneath. Well preserved Phragmites.

156-250

As₄, Th²(Phra)₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Very soft grey-blue clay with roots of Phragmites.

250-251

Increase in broken shells (unidentified) immediately on the contact.

251-350

Th², Th²(Phra)2, D1+

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 4

Smelly, well humified turfa with some Phragmites and detrital wood - possibly Alnus.

350-366

As2, Th¹, Th²(Phra)1

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Slightly laminated organic-rich clay with some turfa and Phragmites.

366-375

Th², Th²(Phra)2

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 1

Brown slightly laminated Phragmites-rich turfa.

375-656

As4, Th²(Phra)+, Ag+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0,

Soft blue silty-clay with some Phragmites.

656-675

Th², Th³(Phra)2, D1+

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Compact black peat with some turfa, red wood and well humified Phragmites.**GR6 -0.61m OD**

00-60

Th³, Th²(Phra)1

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black turfa with some Phragmites.

60-65

Ga4, Lf+, Gg (maj)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown silty-sand with some iron-staining and eroded Chalk.

65-78

Th³, Th²(Phra)1

nig. 4, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Black turfa with some Phragmites.

78-85

Ga4, Lf+, Gg (maj)+, Ag+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown silty-sand with some iron-staining and eroded Chalk.

85-160

Th¹, Th²(Phra)3

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown Phragmites-rich peat. Soft and fibrous.

160-175

As¹, Dl⁺, Th²₁, Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Slight increase in the clay content, and detrital wood - light brown in colour with some turfa and Phragmites.

175-335

Th²₁, Th²(Phra)₃, Dl⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown well humified Phragmites peat with some turfa. Alnus increase to base.

335-355

As₄, Dl⁺, Th²₊, Th²(Phra)₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey clay - soft with detrital Quercus and Phragmites.

355-480

As₄, Th²₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Buttery blue-grey clay with some turfa.

480-490

As₃, Th²₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft clay with some turfa, transitional zone to lower stratum.

490-500

Dl₄

nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 4

Red detrital wood (Quercus ?) fill chamber.

500-535

Th³₁, Dl₁, Sh₁

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Well humified and compact turfa with some detrital wood.

535-570

Th²₊, Ga₂, Ag₂

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Weathered Chalk surface.

570-580

Blocky Chalk - impenetrable.

GR7 -0.48m OD

00-80

Th²₄

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Brown turfa.

80-100

Th²1, Th²(Phra)3

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Phragmites-rich yellow-brown peat with some turfa.

100-105

As2, Ga2, Sh+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse silty-sand with some Chalk.

105-170

Th²1, Th²(Phra)3

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Phragmites-rich yellow-brown peat with some turfa.

170-196

As2, Th²(Phra)2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Clay with Phragmites - brown-grey in colour - soft.

196-230

Th²1, Th²(Phra)3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Phragmites-peat with some turfa - dark brown in colour.

230-250

Dl2, Th²

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Alnus wood increase in dark brown woody-turfa.

250-280

Th³2, Dl1, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown turfa with some detrital wood and clay, transitional to clay beneath.

280-345

As4, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey soft clay with rare turfa.

345-400

Ga3, Ag1, Gg (maj)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse silty-sand with angular flints. Hard and compact, white-grey becoming green with depth.

GR8 -0.23m OD

00-50

Ag4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact khaki silt with iron staining.

50-110

Th²3, Th²(Phra)1

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown turfa with an increase in Phragmites with depth.

110-120

Ag3, Ga1, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact sandy-silt with Chalk fragments and some turfa.

120-136

Th²1, Th²(Phra)3

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Phragmites-rich turfa with a yellow-brown colour.

136-146

As3, Th²(Phra)1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some Phragmites. Soft and buttery.

146-153

Th²4

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown-black turfa.

153-160

As3, Th²1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some turfa.

160-210

Th²3, Th²(Phra)1, D1+

nig. 4, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown-black turfa with some Quercus and Phragmites.

210-235

Ag2, Ga2, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-blue silty-sand with some turfa.**GR9 -0.73m OD**

00-125

Th²2, Th²(Phra)2

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Phragmites-rich turfa, brown in colour.

125-135

As2, Th²(Phra)2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown Phragmites-rich clay.

135-175

Th², Th²(Phra)1, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Creamy-brown clay-rich turfa with some Phragmites.

175-200

As2, Th¹, Th²(Phra)1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Phragmites-rich clay with some turfa - soft and yellow-brown in colour.

200-290

Th⁴

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Wet, well humified turfa - dark brown and very soft.

290-300

As2, Th¹, Sh1

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Yellow-brown, very soft and slightly laminated clay with some turfa and humified organic material.

300-310

Th⁴

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Wet, well humified turfa - dark brown and very soft.

310-435

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey silty-clay.

435-480

D11, Th³

nig. 3+, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown woody impenetrable turfa.**GR10 -0.54m OD**

00-50

Th³, Th²(Phra)1

nig. 3+, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown-black turfa with some Phragmites.

50-148

Th¹, Th²(Phra)3

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Turfa with lots of Phragmites. Yellow-brown and very soft.

148-168

Th²(Phra)2, As2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown peaty-clay with some Phragmites.

168-277

Th²3, Th²(Phra)1

nig. 3+, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Well humified dark brown-black turfa with some Phragmites.

277-295

Ag2, Ga2, Gg (min)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Hard white compact sandy-silt.

GR11 -0.59m OD

00-20

Th²4

nig. 4, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Black crumbly peat

20-40

Chalk

GR12 -0.14m OD

00-10

Topsoil

10-40

Ag2, Ga2, Gg (min)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact dark grey silty-sand with pebbles. Impenetrable at 40 cm., because of Chalk.

GR13 -0.83m OD

00-120

Th²4, part test moll+

nig. 4, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown-black soft turfa and some shells (unidentified).

120-180

Th²3, Th²(Phra)1, Dl+

nig. 4, strf. 0, sicc. 3, elas. 1, lim. sup. 0

Same as stratum above, but an increase in the woody component. Red wood and quite wet, black in colour.

180-213

Th²2, Th²(Phra)1, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown turfa with some Phragmites and clay.

213-220

As3, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey soft clay with some turfa.

220-280

D11, Th²3

nig. 4, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark brown-black turfa with some Quercus remains.

280-297

Same components as above, but lighter in colour (nig. 3).

297-449

As4, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft battleship-grey clay with some turfa.**GR14 -0.66m OD**

00-72

Th²3, Th²(Phra)1

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown turfa with some Phragmites.

72-120

Th²2, Th²(Phra)2

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Brown turfa with some Phragmites, soft and stringey.

120-138

As2, Th²(Phra)2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey-brown clay with some turfa.

138-210

Th²(Phra)1, Th²3

nig. 3+, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Very soft and sloppy well humified turfa. Dark brown-black in colour with some Phragmites.**GR15 -0.62m OD**

00-75

Th²4

nig. 4, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Quite soft black or dark brown turfa.

75-110

Th²(Phra)2, Th²2

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Yellow-brown Phragmites peat.

110-130

As2, Th²(Phra)2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some Phragmites.

130-188

Th²(Phra)₂, Th²₂

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Turfa with Phragmites - dark brown in colour.

188-207

Ag₂, Ga₂, Gg (min)+, Th²₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 4

Dry green-grey silty-sand with some turfa. Occasional angular flints.

GR16 -0.25m OD

00-30

Ag₂, Ga₂, Gg(min)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse silty-sand with flint pebbles. Grey-brown in colour.

30-35

Gs₄

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse sand with chalk fragments.

A1.5. Lydden Valley**A1.5.1. Transect 1.****LV1 -0.65m OD**

00-163

Th³4

nig. 3, strf. 0, sicc. 3, elas. 2, lim. sup. 0

Dark brown turfa with a slight decrease in turfa with depth.

163-242

Ga3, Ag1, Gg+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey compact silty-sand with two flints in upper levels.

242-310

As2, Ag2

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Compact grey silt with sand and possible Chalk flecks.

LV2 -0.64m OD

00-25

Topsoil

25-61

Th³4

nig. 3+, strf. 0, sicc. 3, elas. 1+, lim. sup. 0

Dark brown-black well humified turfa.

61-66

Th²2, Th²(Phra)+, As2

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Khaki-brown clayey-peat with some Phragmites.

66-100

Th²4, Th²(Phra)+

nig. 3+, strf. 0, sicc. 2, elas. 1+, lim. sup. 0

Wet turfa with some Phragmites remains.

100-122

Th²2, As2, Th²(Phra)+

nig. 2+, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey laminated detrital peat with some Phragmites and clay.

122-204

Sh4, Th²+, Anth+

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Dark brown black sloppy peat which becomes slightly more compact in lower 5cm., with a bit of wood. Charcoal flecks at 141cm.

204-245

Ga₂, Ag₂

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey-green compact silty-sand

245-285

Ga₂, Ag₂, Gg(maj)+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey compact silty-sand with some Chalk nodules as well as rounded flints.

LV3 +0.15m OD

00-45

Th²₄

nig. 3, strf. 0, sicc. 3, elas. 1, lim. sup. 0

Brown turfa.

45-80

As₂, Ag₂, Th²(Phra)+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Silty-clay with an increase in the Phragmites content to base.

80-115

Sh₄, Th²(Phra)+

nig. 3+, strf. 0, sicc. 3, elas. 1, lim. sup. 0

Dark brown compact peat with some Phragmites at top.

115-151

As₃, Ag₊, Th²(Phra)₁

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Grey mottled clay with some silt and Phragmites.

151-156

Th¹(Phra)₃, Th²₁, Sh₊

nig. 3, strf. 0, sicc. 3, elas. 2, lim. sup. 0

Dark brown Phragmites peat with some turfa.

156-333

Sh₃, Th²₊, Dh₁

nig. 3+, strf. 0, sicc. 1+, elas. 1+, lim. sup. 0

Dark brown peat with rare Phragmites and with an increase in detrital wood towards the base of the stratum.

333-412

As₃, Ag₁, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with an increase in Phragmites content in lower 15cm.

412-447

Sh₂, Th²₁, Dh₁, Dl₊

nig. 3+, strf. 0, sicc. 3, elas. 1, lim. sup. 3

Dark brown peat with a few woody pieces and some turfa.

447-458
 Ga3, Ag1,
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Very compact grey silty-sand.

LV4 +0.44m OD

00-30
 Topsoil

30-50
 Sh3, Th³₁
 nig. 4, strf. 0, sicc. 2, elas. 1, lim. sup. 0
 Well humified dark brown amorphous peat with some turfa.

50-170
 As2, Ag2, Th²₊
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Battleship-grey clay with some silt and rare turfa.

170-175
 Th²₂, As2
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Thin turfa-rich clay.

175-275
 As2, Ag2, Th²₊
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft battleship-grey silty-clay with some turfa.

275-320
 Th³₃, D1₁, Th²(Phra)₊
 nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 0
 Dark brown-black well humified turfa with occasional
 woody remains and some Phragmites.

320-325
 As2, Th²₁, Sh1
 nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft light brown clay-rich turfa.

325-690
 As3, Ag1, Th²(Phra)₊
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Soft battleship-grey silty-clay with some Phragmites.

690-730
 Th³₃, Th³(Phra)₊, Sh1, D1₊
 nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
 Dark brown well humified turfa with some Phragmites and rare
 detrital wood. Impenetrable - not because of Chalk.

LV5 +0.30m OD

00-56
 Topsoil

56-77

Sh2, As1, Th²1, Dl+

nig. 3, strf. 0, sicc. 3, elas. 1, lim. sup. 0

Dark brown peat with well preserved rootlets, some clay and rare detrital wood.

77-107

Ag3, As1, Ga+, Lf+, Th²(Phra)+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 1

Blue-grey clayey-silt with iron-staining and some sand and Phragmites rhizomes.

107-127

Ag3, Ga1, As+, Lf+

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 1

Very stiff green or grey sandy-silt with slight iron-staining and some clay.

127-156

Sh3, Th³1

nig. 4, strf. 0, sicc. 3, elas. 1, lim. sup. 0

Very dark brown humified peat with some turfa.

156-178

Ag2, As1, Th²(Phra)1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey sticky clayey-silt with well preserved Phragmites remains.

178-196

Th²2, As1, Sh1

nig. 3, strf. 1, sicc. 1, elas. 3, lim. sup. 0

Mid-brown well humified peat with some turfa and distinct minerogenic horizons.

196-223

Sh2, Th²(Phra)2, Dl+

nig. 3, strf. 0, sicc. 3, elas. 2, lim. sup. 0

Very dark brown well humified peat with Phragmites, occasional rootlets and rare detrital wood.

223-243

Dl1, Tl+, Th²(Phra)1, Sh2

nig. 3, strf. 1, sicc. 3, elas. 2, lim. sup. 0

Very dark brown humified turfa peat with Alnus (?) fragments and Phragmites.

243-256

Th²3, Th²(Phra)+, Sh1, As+

nig. 3, strf. 1, sicc. 3, elas. 2, lim. sup. 0

Very dark brown, well humified turfa with some Phragmites and more clastic towards base of stratum.

256-340

Ag3, As1, Th²(Phra)+, part test moll+, Ga+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 1
 Battleship-grey silt with some clay and shell fragments and
Phragmites remains. Rare sand recorded.

340-342

Ga1, Ag2, Sh1, Th²+
 nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Greeny-brown organic-rich sandy-silt with some Phragmites.

342-358

Ga2, Ag2, Th²(Phra)+, Dl+
 nig. 3, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Green-blue-grey silty-sand with Phragmites and some detrital
 wood.

358-400

Weathered Chalk.

LV6 +0.67m OD

00-30

Topsoil

30-55

Ag2, As2, Lf+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Grey brown silty-clay with iron-staining and some organic
 material.

55-100

Ga2, Ag2, Lf+, Th²+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Pink sandy-silt with some turfa and iron-staining.

100-141

Ga2, Ag2, Gg(maj)+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Grey-blue silty-sand with some flints.

141-162

Ga2, Ag1, As1, Th²+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
 Wet silty-sand with some clay and pieces of Chalk and a
 trace of turfa.

162-197

Ga3, Ag1, Sh+
 nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
 Yellow green grey silty-sand with Chalk and some dark
 organic lenses.

LV7 +0.41m OD

00-37
Topsoil

37-127

As₂, Ag₁, Ga₁, Gg⁺, Lf⁺, Th²⁺
nig. 3, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Grey brown sandy-silt with some clay and extreme iron-staining and occasional rootlets and Chalk clasts. Occasional sand rich layers.

127-234

Ag₃, Ga₁, As⁺, Lf⁺, part test moll⁺, Th²(Phra)⁺
nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 1
Blue-grey sandy-silt with iron-staining, notably coarser with fine laminations and woody fragments towards base of stratum. Rare shells recorded and some Phragmites.

234-319

Gs⁺, Ag₂, Ga₂, Gg⁺, Th²⁺, Lf⁺
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Very light green silty-sand with gravel and some iron-staining - probably weathered Chalk.

LV8 +0.34m OD

00-29
Topsoil

29-84

Ag₃, As₁, Ga⁺, Tl⁺, Lf⁺
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Grey-brown silt with some clay and sand. Occasional Chalk clasts, rootlets and severe iron mottling.

84-90

Sh₁, As₂, Ag₁, Th(2)⁺, Tl⁺
nig. 3, strf. 2, sicc. 3, elas. 0, lim. sup. 0
Slightly laminated organic-rich silty-clay with layers of well humified organic material. Blue-grey brown in colour.

90-149

Ag₄, As⁺, Lf⁺, Ga⁺, Th²⁺
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Blue-grey clay with silt and some sand with occasional Chalk clasts. Severe iron-mottling and some turfa.

149-207

Gs₂, Ga₁, Ag₁, Th²⁺, Gg(maj)⁺
nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Olive-green sand with rounded flints and occasional Chalk clasts. Some very well humified organic fragments.

207-258

Ga₃, Th²⁺, Sh⁺, part test moll⁺, Gg(maj) 1
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Light green sand with numerous Chalk clasts and shell fragments. Occasional well humified organic remains and angular flints.

LV9 +0.68m OD

00-30

Topsoil

30-136

Ag₃, As₁, Ga⁺, Lf⁺,
nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Grey-brown silt with clay and sand, occasional Chalk clasts and severe iron-staining. Very stiff.

136-161

Gs₂, Ga₂, Gg(min)⁺, Th²⁺
nig. 2, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Brown-grey coarse sand with occasional Chalk clasts and turfa.

161-191

Ag₁, Ga₃, Th²(Phra)⁺, As⁺
nig. 3, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Brown sandy-silt with occasional Phragmites remains and a trace of clay.

191-270

Gs₂, Ga₂, Th²⁺, D₁⁺
nig. 3, strf. 1, sicc. 3, elas. 0, lim. sup. 0
Very slightly stratified olive-green sand with occasional Phragmites fragments. Solid bottom.

A1.5.2. Transect 2.**LV10 +0.88m OD**

00-40
Missing

40-140
Sc4
nig. 3, strf. 0, sicc. 4, elas. 0, lim. sup. 0
Topsoil

140-155
Th³, Sh1
nig. 3+, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Compact and crumbly well humified red/brown turfa.

155-319
As2, Ag2
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Battleship-grey clay with some silt.

319-357
Th³₄
nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Well humified turfa.

357-405
Ag3, Ga1
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Compact grey silt which sampled poorly. Flint at 400cm., and impenetrable solid bottom - Chalk ?

LV11 +0.61m OD

00-30
Topsoil

30-80
Ag3, As1, Lf+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Orange-brown clayey-silt with iron-staining.

80-147
Ag1, As3, Th²₊
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Blue-grey silty-clay with some turfa.

147-173
Th³₄
nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0
Soft dark brown turfa.

173-192
Same as stratum above but Ga+ and slightly lighter in colour.

192-227

Ag3, Ga1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green sandy-silt. Chalk at 277cm.

LV12 +0.64m OD

00-30

Topsoil

30-85

Ag3, As1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Iron-stained orange-grey silty-clay with some iron-staining.

85-235

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clay with some silt.

235-250

As2, Th²(Phra)1, Th³1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown-grey clay with Phragmites and turfa remains.

250-290

Th²(Phra)1, Th²3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown turfa with some Phragmites.

290-443

As3, Ag1, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some silt and turfa.

443-455

As3, Th²1

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with an increase in turfa.

455-473

Th²3, D11

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown turfa with some Quercus and other woody detrital material.

473-483

Ag1, Ga+, Th³3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Turfa with some silt and occasional sand.

483-520

Ga1, Ag3, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-grey silt with some turfa and sand.

520-540
Weathered Chalk.

LV13 +0.82m OD

00-40
Topsoil

40-60
Ag2, As2, Lf+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Khaki-brown silty-clay with occasional iron-staining.

60-182
Ag2, As2
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey silty-clay.

182-202
Weathered Chalk.

LV14 +0.93m OD

00-40
Topsoil

40-60
As3, Ga1, Lf+
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey or brown sandy-silt with some iron-staining.

60-260
As2, Ga2, Th²⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey sandy-silt with rare turfa.

260-400
Ga4
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey sand with some Chalk flecks.

A1.6. Marsh Lane NGR TR 25 3590 5330**Core 1 +0.41m OD**

00-42

Component Missing

42-62

Topsoil

62-93

As₂, Ag₂, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Orange-brown clay with some silt and iron-staining.

93-160

Ag₃, As₁, Lf⁺, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Compact white clayey-silt with some turfa and iron-staining.
Becoming khaki brown with depth.

160-170

Brickearth.

Core 2 +0.13m OD

00-60

Topsoil

60-85

Th²⁺, As₂

nig. 3+, strf. 0 sicc. 2, elas. 0, lim sup. 0

Dark grey-brown clay-rich turfa.

85-98

As₃, Ag₁, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay with some turfa.

98-115

Sh₂, As₁, Ag₁, Ga⁺, Lf⁺

nig. 3+, strf. 0, sicc. 2, elas. 0, lim sup. 3

Dark brown crumbly silty-clay resembling a palaeosol with some
iron-staining and a trace of sand.

115-245

Ag₃, As₁, Th²⁺, Lf⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Khaki-white clayey-silt with some iron-staining and rare turfa.

245-255

Brickearth.

Core 3 +0.18m OD

00-61
Topsoil

61-209
As₄, Th²⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
Battleship-grey clay with some turfa.

209-230
Ga⁺, Lf⁺, Dl⁺, As₁, Ag₁, Sh₂
nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 4
Crumbly brown silty-clay with some sand and Substantia humosa,
as well as rare detrital wood and some iron-staining.

230-267
Ag₃, As₁, Dl⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
Khaki-grey clayey-silt with some detrital wood (Quercus?).

267-273
Brickearth

Core 4 +0.13m OD

00-45
Topsoil

45-60
Th²⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
Dark brown-grey turfa.

60-137
As₄, Th²⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
Buttery battleship-grey clay with some turfa.

137-145
Th², Th²(Phra)₂, part test moll⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
Thin dark brown Phragmites turfa with some shells.

145-200
As₄
nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
Soft buttery clay.

200-251
Dl₂, Th²(Phra)₁, Tl²₁
nig. 3+, strf. 0, sicc. 2, elas. 0, lim sup. 0
Dark brown black woody detrital peat with some Phragmites.

251-266

Th²3, As1, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey-brown turfa with some clay. Hydrobia spp. shells recorded and unidentified black seeds.

266-304

As4

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Battleship-grey soft clay.

304-328

Ag3, As1, Th²+

nig. 1+, strf. 1, sicc. 2, elas. 0, lim sup. 0

White-khaki or brown clayey-silt resembling a palaeosol. Some turfa recorded.

328-395

Brickearth

Core 5 +0.33m OD

00-40

Topsoil

40-50

As2, Ag2, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Orange-grey silty-clay with iron-staining.

50-72

As4, Lf+, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Orange-grey clay with some occasional turfa and some iron-staining.

72-89

Th²1, part test moll+, As2, Ag1

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Dark grey organic-rich silty-clay with rare shells.

89-296

As3, Ag1, Th³+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey brown silty-clay with black humified turfa. Scrobicularia remains in lower 2cm., of stratum.

296-324

Th²4, Dl+, Th²(Phra)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 4

Dark brown turfa with some Phragmites and detrital wood remains.

324-328

part test moll 2, Th³2, Th³(Phra)+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Shell-rich brown turfa with some Phragmites.

328-337

Th²(Phra)2, Th²
 nig. 3, strf. 2, sicc. 2, elas. 0, lim sup. 0
 Brown slightly laminated Phragmites peat with some turfa.

337-375

As4, Th²(Phra)+, part test moll+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Dark grey clay with some shells and Phragmites.

375-401

Ag3, Ga1
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Compact white sandy-silt.

401-420

Brickearth

Core 6 +0.33m OD

00-40

Topsoil

40-100

As2, Ag2, Lf+
 nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Stiff silty-clay with iron-staining.

100-123

Ag3, As1, Th²(Phra)+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Grey clayey-silt with some Phragmites remains.

123-130

As2, Ag2
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Blocky grey silty-clay.

130-179

As4, Th³+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Soft grey clay with turfa remains.

179-198

As3, Th³1
 nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Khaki turfa-rich clay.

198-210

As3, Ag1, part test moll+, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey silty-clay with some Hydrobia spp. and some turfa.

210-273

As3, Ag1, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft dark grey silty-clay with some turfa.

273-291

As2, Th²

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft clay-rich turfa, grey brown in colour.

291-315

Th³2, Th³(Phra)2, D1+

nig. 3, strf. 0, sicc. 2, elas. 1, lim sup. 0

Dark brown or black turfa with some Phragmites and detrital wood

315-333

D14

nig. 2, strf. 0, sicc. 2, elas. 2, lim sup. 4

Piece of wood (unidentified) fill chamber.

333-353

D11, Th²2, Th²(Phra)1

nig. 3+, strf. 1, sicc. 3, elas. 1, lim sup. 4

Compact turfa with some woody detrital material and Phragmites. Rare quartz grains recorded.

353-360

part test moll 2, Th³1, As1

nig. 3, strf. 0, sicc. 3, elas. 0, lim sup. 0

Grey-white fine shell deposit with some clay, Phragmites and turfa.

360-371

Th²(Phra)1, Th²1, As1, Sh1, part test moll+

nig. 3, strf. 2, sicc. 3, elas. 1, lim sup. 0

Finely laminated Phragmites peat with some turfa, clay, and rare shells.

371-486

As2, Ag2, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Battleship-grey silty-clay with some turfa.

486-501

Th²(Phra)2, D11, Th³1

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 1

Dark brown-black Phragmites peat with some woody detrital material and some turfa.

501-526

Th², Th²(Phra)1, part test moll 1
 nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Dark brown or black turfa with some fine shells and
Phragmites remains.

526-558

Ag3, As1
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Siff grey clayey-silt.

558-601

Ag4
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Grey silt.

601-615

Change in colour to orange - Brickearth?

Core 7 +0.49m OD

00-20

Topsoil

20-60

As3, Ag1, Lf+
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Stiff silty-clay with some iron-staining.

60-340

As2, Ag2
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Stiff and blocky grey silty-clay.

340-355

Th³(Phra)1, Th²₃
 nig. 3, strf. 0, sicc. 2, elas. 1, lim sup. 0
 Dark brown turfa with some Phragmites.

355-370

Th²(Phra)2, D11, Sh1, As+
 nig. 3, strf. 1, sicc. 2, elas. 2, lim sup. 0
 Soft brown Phragmites-peat.

370-375

Th²(Phra)2, Sh2, As+
 nig. 3, strf. 1, sicc. 2, elas. 2, lim sup. 0
 Brown Phragmites-peat with some clay increasing towards
 lower contact.

375-670

As3, Ag1
 nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0
 Soft dark grey silty-clay.

670-694

Sh3, Th³1, part test moll+

nig. 4, strf. 0, sicc. 2, elas. 1, lim sup. 1

Compact well humified amorphous peat with some well humified turfa and many small white shell remains (unidentified).

694-708

Th²(Phra)1, Th²2, D11, part test moll+

nig. 3, strf. 2, sicc. 2, elas. 1, lim sup. 0

Brown Phragmites-rich turfa, slightly laminated with some shells and woody detrital material.

708-727

As1, Th²(Phra)1, Th²1, Dh1

nig. 3, strf. 1, sicc. 2, elas. 0, lim sup. 0

Shell-rich organic clay with some detrital wood, feeling slightly gritty with blue-grey parts to it. Some turfa and Phragmites also recorded.

727-790

As4, part test moll+, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey clay with some Phragmites and rare shells.

790-815

D11, Th²(Phra)1, Th²1, As1

nig. 2, strf. 1, sicc. 2, elas. 0, lim sup. 0

Grey clayey-peat with some Phragmites and turfa, and an increase in the detrital woody component with depth.**Core 8 +0.69m OD**

00-30

Topsoil

30-50

Ag2, Ga1, As1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Compact silt with some clay and sand with iron-staining.

50-246

As3, Ag1, part test moll+, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft dark grey clay with some silt becoming blue grey below 100cm., and occasional Hydrobia spp. and turfa remains.

246-249

Th²3, As1

nig. 3, strf. 0, sicc. 2, elas. 1, lim sup. 1

Thin turfa with organic enrichment above and below.

249-345

As3, Ag1, part test moll+, Th²+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey clay with some silt and occasional turfa remains.

345-350

As3, Th³1, Th²(Phra)+

nig. 3, strf. 1, sicc. 2, elas. 0, lim sup. 0

Soft dark grey clay with some turfa and occasional Phragmites.

350-390

Th², Th²(Phra)2, D1+, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 2, lim sup. 0

Brown Phragmites-rich turfa. Quite a fresh deposit with rhizomes and leaves of Phragmites. At the upper contact 3 pieces of detrital wood (Alnus?) recorded and in the lower 3cm., shells recorded (unident).

390-750

As3, Ag1

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey clay with some silt.

750-754

Th²(Phra)1, Th²1, As2

nig. 3, strf. 1, sicc. 2, elas. 0, lim sup. 0

Transitional zone to peat below with Phragmites and turfa remains.

754-758

Th³3, Th²(Phra)1, D1+

nig. 3, strf. 1, sicc. 3, elas. 1, lim sup. 0

Dark brown turfa with some detrital woody material and Phragmites.

758-770

Th³2, Th²(Phra)+, Sh2, D1+

nig. 4, strf. 1, sicc. 3, elas. 0, lim sup. 0

Well humified very compact black turfa with some Phragmites, dry and very crumbly when broken.

770-778

Th²4, Th²(Phra)+, D1+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Less humified dark brown-black turfa with some Phragmites remains and rare detrital wood.

778-781

Th²(Phra)2, Th²1, D11, part test moll+

nig. 3, strf. 1, sicc. 2, elas. 0, lim sup. 0

Light brown Phragmites-rich turfa with some detrital wood and occasional shells.

781-795

D11, Th²(Phra)2, Th²1, part test moll+

nig. 3, strf. 2, sicc. 2, elas. 1, lim sup. 0

Light brown turfa with some detrital black wood. Fine white powder - possibly broken shell remains, and slightly laminated.

795-830

As4, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey clay - very soft with occasional Phragmites remains.

830-950

As4, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Same as stratum above, but with an increase in Phragmites content.**Core 9 +0.68m OD**

00-65

Topsoil

65-133

As2, Ag2, Lf+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim sup. 0,

Silty iron-stained clay - orange-grey in colour.

133-167

As3, Ag1, Th³+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Brown-grey silty-clay with some black humified turfa.

167-174

Th³1, Ag1, As2

nig. 2+, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft dark grey turfa-rich clay with some silt.

174-288

Ag4, Th²+

nig. 2, strf. 0, sicc. 3, elas. 0, lim sup. 0

Dry crumbly blue-grey silt with some turfa.

288-320

As4, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey clay with some Phragmites.

320-363

Th²(Phra)2, D11, Th²1

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Dark brown Phragmites peat with some detrital wood remains and turfa.

363-370

Th²1, Th²(Phra)1, As2

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft dark brown clayey-peat with some Phragmites and turfa.

370-382

As₁, Ag₂, D₁+, Th²₁, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft clayey-silt with some turfa, Phragmites, and woody detrital material.

382-682

As₂, Ag₂, Th³+

nig. 2, strf. 1, sicc. 2, elas. 0, lim sup. 0

Soft clayey-silt with some well humified turfa and slightly laminated.

682-708

Th²(Phra)₁, Th²₃

nig. 3+, strf. 1, sicc. 3, elas. 0, lim sup. 0

Dark brown very compact turfa with some Phragmites and slightly laminated.

708-710

As₁, part test moll 1, Sh₁, Th²(Phra)₁

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Creamy-brown, very fine organic-rich clay with powdery shells and some Phragmites.

710-718

Th²₂, Th²(Phra)₂, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Dark brown turfa with some Phragmites and shells in transitional layer to stratum below.

718-920

As₂, Ag₂, Th²(Phra)+

nig. 3+, strf. 2, sicc. 2, elas. 1, lim sup. 0

Soft grey clayey-silt with some Phragmites.**Core 10 +0.72m OD**

00-60

Topsoil

60-160

As₃, Ag₁, Th³+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Stiff clayey-silt with some turfa and iron-staining. No iron-staining below 140cm.

160-172

Th²₁, As₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Turfa-rich clay.

172-330

As₂, Ag₁, Ga₁

nig. 2, strf. 2, sicc. 2, elas. 0, lim sup. 0

Laminated grey sandy-clay with some silt.

330-510

Ga₄

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey sand.

Core 11 +0.69m OD

00-50

Topsoil

50-155

As₂, Ag₂, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Orange-brown silty-clay with some iron-staining.

155-200

As₂, Ag₂, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Dark grey silty-clay with some well humified turfa.

200-240

Ag₄, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey silt with some turfa.

240-352

Ag₂, Ga₂, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey silty-sand with some turfa.

352-358

Th²₂, Th²(Phra)₂

nig. 4, strf. 0, sicc. 2, elas. 0, lim sup. 0

Dark brown black turfa with some Phragmites, transitional to lower stratum.

358-395

Th²₃, Th²(Phra)₁, Dl⁺

nig. 3+, strf. 1, sicc. 2, elas. 0, lim sup. 0

Dark brown well humified turfa with some Phragmites and woody detrital material. Both Phragmites leaves and rhizomes recorded.

395-405

Th²(Phra)₂, Th³₂

nig. 3, strf. 0, sicc. 3, elas. 0, lim sup. 0

Dark brown Phragmites-rich turfa.

405-410

As₂, Th²(Phra)₂

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Phragmites-rich clay transitional to lower deposit.

410-697

As2, Ag2, part test moll+

nig. 2, strf. 2, sicc. 2, elas. 0, lim sup. 0

Grey slightly laminated silty-clay with some shells.

697-718

Th²3, Th²(Phra)1, D1+

nig. 3+, strf. 1, sicc. 2, elas. 0, lim sup. 4

Compact turfa with Phragmites and woody detrital material.
Flames of clay near contact to lower stratum.

718-724

As1, Th²1, Th¹(Phra)1, Sh1

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Creamy brown turfa-rich clay with some Phragmites.

724-730

Th²(Phra)3, Th²1, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 1, lim sup. 0

Brown Phragmites peat with some turfa and rare shells.

730-734

As2, Th²(Phra)2

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Phragmites-rich clay, transitional to lower stratum.

734-805

As3, Ag1, Th³+, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay with black humified roots and some shells.

Core 12 +0.52m OD

00-32

Topsoil

32-65

Ag2, As2, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Orange-grey silty-clay with iron-staining.

65-287

As3, Ag1, Th²(Phra)+, Dh+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay with Phragmites and eroded peat pockets.

287-295

Th²2, Ag2

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey-brown turfa-rich clay.

295-333

Ag₂, As₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay with some turfa.

333-386

Th²(Phra)₁, Th³, D₁+

nig. 3, strf. 0, sicc. 2, elas. 1, lim sup. 0

Brown and crumbly turfa with some Phragmites and woody remains.

386-668

As₂, Ag₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay with some turfa.

668-699

Th³(Phra)₁, Th³, D₁+

nig. 3+, strf. 0, sicc. 2, elas. 1, lim sup. 0

Dark brown-black turfa with some Phragmites and rare detrital wood.

699-709

Ag₁, Th²(Phra)₁, Th³₂

nig. 3, strf. 1, sicc. 2, elas. 0, lim sup. 0

Soft light brown and slightly laminated clay with some turfa, Phragmites.

709-714

Ag₂, Th²₂

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft clayey-turfa in transitional zone to lower stratum.

714-730

As₂, Ag₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey clay with rare turfa. Impenetrable not because of Chalk.**Core 13 +0.68m OD**

00-40

Topsoil

40-80

As₂, Ag₂, Lf₊

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Iron-stained orange-grey silty-clay with some iron-staining.

80-251

As₂, Ag₂

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Battleship-grey silty-clay, soft and buttery.

251-305

Ag₂, As₂

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay.

305-310

Th²(Phra)₁, Th³₃, As⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey brown turfa with some clay and Phragmites rhizomes.

310-351

Th²(Phra)₁, Th³₃, D1⁺

nig. 3+, strf. 0, sicc. 2, elas. 1, lim sup. 0

Crumbly dark brown turfa with some Phragmites and occasional woody remains.

351-552

Ga₂, Ag₂, As⁺

nig. 2, strf. 2, sicc. 2, elas. 0, lim sup. 0

Well laminated grey silty-sand with some clay.

552-778

As₂, Ag₂, Th²(Phra)⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft battleship-grey silty-clay with some Phragmites.

778-795

Th³₄, Th³(Phra)⁺, D1⁺

nig. 3+, strf. 0, sicc. 2, elas. 1, lim sup. 1

Dark brown black well humified turfa with some wood and Phragmites remains. Compact and impenetrable.**Core 14 +0.81m OD**

00-40

Topsoil

40-80

As₂, Ag₂, Lf⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Iron-stained orange-grey silty-clay.

80-100

Ag₂, Ga₂

nig. 2, strf. 2, sicc. 2, elas. 0, lim sup. 0

Grey well laminated silty-sand.

100-420

Ga₄

nig. 2, strf. 2, sicc. 2, elas. 0, lim sup. 0

Dark grey well laminated sand.

Core 15 +1.103m OD

00-80

Ga1, Ag3, Lf+

nig. 2, strf. 2, sicc. 3, elas. 0, lim sup. 0

Grey well laminated sandy-silt with some iron-staining.

80-305

Ga2, Ag2

nig. 2, strf. 2, sicc. 2, elas. 0, lim sup. 0

Grey laminated sand with some silt.

305-315

Th³2, Ag2, As+

nig. 3, strf. 0, sicc. 2, elas. 0, lim sup. 4

Thin brown eroded turfa with some clay.

315-490

Ag4, As+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Sticky dry silt, grey in colour.

490-530

Th³3, Th²(Phra)1

nig. 4, strf. 0, sicc. 2, elas. 0, lim sup. 0

Dark brown/black turfa with Phragmites.

530-535

Th²2, Ag2, As+, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Grey-brown turfa with some Hydrobia spp., occasional Chalk remains and some clay. Chalk increasing with depth.**Core 16 +1.60m OD**

00-40

Topsoil

40-110

Ga2, Ag2, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Orange-grey silty-sand with some iron-staining.

110-240

Ag3, As1, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim sup. 0

Soft grey silt with some clay and turfa remains.

240-430

Ga1, Ag3

nig. 2, strf. 3, sicc. 2, elas. 0, lim sup. 0

Very well laminated sandy-silt - grey in colour.

A1.7. Sandfield Farm NGR TR 25 3640 5380**Core 1 +1.77m OD**

00-40

Ag2, Ga2, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Iron-stained silty-sand.

40-110

Ga4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Yellow-grey sand.

110-470

Ga3, Ag1

nig. 2, strf. 3, sicc. 3, elas. 0, lim. sup. 0

Laminated grey silty-sand.

470-480

Gg(maj)+, Ga4, As+, Gg(min)+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse grey sand with flints and eroded Chalk. Impenetrable
- not Chalk - channel ?**Core 2 +1.69m OD**

00-30

Ga2, Ag2, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Iron-stained silty-sand.

30-100

Ga3, Ag1, Lf+

nig. 2, strf. 3, sicc. 2, elas. 0, lim. sup. 0

Laminated silty-sand with iron-staining.

100-110

Ga4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Wet yellow sand with some iron-staining and lighter with depth.

110-362

Ga4, Ag+

nig. 2, strf. 4, sicc. 3, elas. 0, lim. sup. 0

Wet coarse laminated grey sand with some silt.

362-395

Th²3, Th²(Phra)1, Dl+

nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 4

Eroded upper contact to dark brown turfa with some Phragmites
and some detrital wood.

395-643

As4, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some turfa.

643-670

Th³3, Th³(Phra)1, D1+

nig. 3+, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Dark brown black humified turfa with some Phragmites and detrital wood. Slightly laminated near top of stratum and compact.

670-675

As2, Th³1, Th³(Phra)1, Sh1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Turfa-rich clay with some Phragmites and beetle recored. Phragmites content increase to base.

675-915

As4, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some turfa.

915-930

Th³2, As2, D1+, Th²(Phra)+

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Dark grey clay-rich turfa. Well humified with some Phragmites, detrital wood and shells recorded.

930-932

Ag4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact wet grey impenetrable silt.

Core 3 +1.66m OD

00-115

Ag2, Ga2, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange silty-sand - very sticky and hard coring with iron-staining.

115-315

Ag2, As2

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey laminated clayey-silt.

315-353

As2, Ag2, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some turfa.

353-392

Th³, Th³(Phra)1

nig. 3+, strf. 1, sicc. 3, elas. 1, lim. sup. 4

Compact well humified turfa with some Phragmites and a sharp upper contact.

392-610

As₄, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some turfa.

610-624

Component missing

624-651

Th³2, Th³(Phra)1, D11

nig. 4, strf. 1, sicc. 3, elas. 0, lim. sup. ?

Black or dark brown compact turfa with some woody bits and occasional well humified Phragmites remains.

651-661

As₂, Th³(Phra)1, Sh₁, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Yellow brown very soft clay with some Phragmites, but few macroscopic plant remains and occasional shell fragments.

661-889

As₄, Th²⁺, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey clay with occasional Scrobicularia and turfa remains.

889-899

Th³3, Ga₁

nig. 4, strf. 2, sicc. 2, elas. 0, lim. sup. 4

Brown/black laminated and compact turfa with rare sand grains visible to eye.

899-903

Ga₁, Ag₃

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact grey silt.

Core 4 +1.73m OD

00-50

Topsoil

50-160

Ga₂, As₂, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Iron-stained sticky silty-sand.

160-190

Ga₂, Ag₂

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey laminated silty-sand.

190-214
As₃, Th²₁
nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dark grey clay with some turfa.

214-280
As₄, Ag⁺, Th²₊
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey clay with some turfa and silt.

280-320
As₂, Th²₊, Ag₂
nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Dry blue silt with some clay and turfa.

320-400
As₃, Ag₁, Th²₊
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey clay with some silt and turfa.

400-415
Component missing

415-452
Th³₄, Th³(Phra)₊, D₁⁺
nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. ?
Dark brown turfa with some Phragmites and occasional woody detrital remains.

452-676
As₄, Th²(Phra)₊, part test moll⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Grey clay with some Phragmites and occasional Scrobicularia.

676-699
Th³₄, Th³(Phra)₊
nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4
Black compact well humified turfa with some Phragmites.

699-710
Th³(Phra)₁, As₂, Th²₁
nig. 2+, strf. 0, sicc. 3, elas. 0, lim. sup. 0
Brown soft clay with some Phragmites and turfa.

710-1040
As₄
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft grey clay.

Core 5 +1.71m OD

00-80
Ga₂, Ag₂, Lf⁺
nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Compact iron-stained silty-sand.

80-120

Ga2, Ag2

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Laminated silty-sand.

120-374

As4, Th²⁺

nig. 2, strf. 1, sicc. 2, elas. 2, lim. sup. 0

Soft grey/blue clay with rare laminations and turfa.

374-415

Th²(Phra)1, D11, Th²

nig. 3+, strf. 1, sicc. 3, elas. 1, lim. sup. 0

Compact slightly laminated dark brown/black turfa with well humified Phragmites rhizomes and detrital wood. Transitional upper and lower contacts and lighter brown to base.

415-660

As4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay.

660-685

Th³(Phra)+, Th³, D11

nig. 4, strf. 0, sicc. 3, elas. 1, lim. sup. 4

Dark brown or black compact turfa with some Phragmites and detrital wood.

685-692

As1, Th², Th²(Phra)1

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Light brown turfa-rich clay with some Phragmites.

692-1050

As4, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey clay with occasional turfa remains.

1050-1060

Th²(Phra)2, As2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Phragmites-rich clay, khaki brown in colour. Unsure whether this is a peat, but definite in situ Phragmites.**Core 6 +1.41m OD**

00-75

Ga3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact iron-stained silty-sand.

75-110

Ag3, Ga1, part test moll+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-grey sandy-silt with some shells of Scrobicularia and iron-staining.

110-380

As₃, Ag₁, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with an increase in turfa in bottom 20cm. Occasional eroded peat pocket.

380-425

Th³₄, Th³(Phra)+, D₁+

nig. 3, strf. 0, sicc. 2, elas. 2, lim. sup. 0

Well humified red or brown compact turfa with some Phragmites and red wood.

425-427

Th³(Phra)₁, Th²₁, As₂, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft light brown organic-rich clay with some Phragmites and turfa and rare shell remains.

427-680

As₄, Th²⁺, Ag+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0,

Soft grey clay with rare turfa and silt.

680-704

Th³₃, Th³(Phra)₁

nig. 3+, strf. 1, sicc. 2, elas. 1, lim. sup. 4

Compact well humified dark brown turfa with some Phragmites.

704-714

Th²(Phra)₁, Th²₁, As₂, part test moll+

nig. 2+, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Soft brown turfa-rich clay with some Phragmites and rare shells.

714-960

As₄, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some turfa.**Core 7 +1.58m OD**

00-60

Component missing

60-138

Ag₂, Ga₂, Lf+

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Soft silty-sand with some iron staining and slightly laminated with an orange-grey colour.

138-250

As₃, Ag₁, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark grey silty-clay with occasional turfa remains, quite well humified.

250-380

Ag₂, As₂, Th³⁺

nig. 2, strf. 0, sicc. 3, elas. 0, lim. sup. 0

Compact green-blue slightly mottled silty-clay with blocky texture.

380-400

As₃, Ag₁, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-clay with an increase in turfa towards the contact. Some eroded peat pockets above contact.

400-408

Th³(Phra)+, Th³₄

nig. 4, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Black, compact well hunified turfa with occasional Phragmites remains.

408-443

Th³₄, Th³(Phra)+, D₁+

nig. 4, strf. 1, sicc. 2, elas. 1, lim. sup. 0

Dark brown/black compact turfa with occasional Phragmites and detrital woody remains.

443-450

D₁1, Th²(Phra)₁, Th²₂, part test moll+

nig. 2, strf. 2, sicc. 2, elas. 1, lim. sup. 0

Compact laminated detrital peat with some shell remains. Detrital wood component decreases towards contact.

450-670

As₂, Ag₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silt content increase, grey in colour.

670-675

As₃, Pt₁

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with many Hydrobia spp. in tact.

675-700

Th³₃, Sh+, Th³(Phra)₁

nig. 4, strf. 1, sicc. 2, elas. 1, lim. sup. 4

Very compact slightly laminated turfa with some Phragmites rhizomes and an eroded upper contact with eroded clay inclusions in upper 3cm.

700-785

As₃, Ag₁, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clay with some turfa - impenetrable.

Core 8 +1.68m OD

00-30

Component Missing

30-100

As1, Ag2, Ga1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown sandy-silt with some iron-staining and clay.

100-260

As2, Ag2, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some turfa.

260-300

Ag2, As2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blocky silt with some clay.

300-406

As2, Ag2, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some turfa remains.

406-440

Th²³, Dl1, Th³(Phra)+

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Compact dark brown/black well humified and slightly laminated peat with some woody material and well humified Phragmites.

440-450

As2, Th²², Th²(Phra)+, part test moll+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown clay-rich turfa with some shells and rare Phragmites.

450-695

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft silty-clay.

695-729

Th³³, Th³(Phra)+, Dl1

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 4

Black compact turfa with some Phragmites. Slightly laminated and with rare detrital wood.

729-743

As2, Sh1, part test moll+, Th²¹, Th²(Phra)+, Dl+

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Grey light brown turfa-rich clay with some Phragmites and shells and detrital wood. Slightly laminated and very soft.

743-745

Th²(Phra)₂, Th²₂, As⁺

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Dark brown Phragmites-rich turfa, laminated with some clay.

745-920

As₃, Ag₁, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some turfa.**Core 9 +1.35m OD**

00-20

Component Missing

20-50

Ga₄, Lf⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange sand with some iron-staining.

50-100

Ag₂, Ga₂, Lf⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-sand with some iron-staining.

100-260

As₃, Ag₁, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey silty-clay with some turfa.

260-400

Ga₃, Ag₁

nig. 3, strf. 3, sicc. 2, elas. 0, lim. sup. 0

Laminated grey silty-sand.

400-420

Th³⁴

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 1

Black, well humified turfa which sampled poorly.

420-735

Ga₄

nig. 2, strf. 3, sicc. 2, elas. 0, lim. sup. 0,

Coarse laminated sand. Moist and sampled poorly.

735-770

Th³², D₁₁, Th³(Phra)₁

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 1

Black very compact well humified turfa with some woody detrital material and Phragmites leaves.

770-780

Th²3, Sh1nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0,
Light brown turfa.

780-840

As3, Ag1, Th³+nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0
Soft blue-grey silty-clay with some turfa.**Core 10 +1.34m OD**

00-20

Component Missing

20-80

Ga3, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact white-orange silty-sand with some iron-staining.

80-240

Ag3, As1, Th³+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey stiff clayey-silt with some well humified black
turfa.

240-290

As3, Ag1, Th²(Phra)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Stiff blocky blue-grey silty-clay with some Phragmites.

290-340

As3, Ag1, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silty-clay with some turfa.

340-380

Th²3, Th³(Phra)1, Dl+

nig. 3, strf. 1, sicc. 2, elas. 1, lim. sup. 1

Dark brown turfa with some Phragmites remains and
detrital wood. Compact and slightly laminated with
transition from overlying clay over 5 cm.

380-690

As3, Ag1, Th³+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey silty-clay with turfa remains, soft and buttery.

690-695

Th³(Phra)2, Th²1, As1

nig. 3, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Grey brown Phragmites peat with some clay and turfa. Compact
and slightly laminated.

695-700

Sh3, Th³1

nig. 4, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well humified, black finely laminated peat with some turfa.

700-720

Th²3, Th³(Phra)1

nig. 4, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Brown black turfa with beetle remains and some Phragmites.

720-725

Th²(Phra)2, Th³2

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Light brown Phragmites-rich turfa.

725-830

Ag3, As1, Th²+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey clayey-silt some turfa.**Core 11 +1.58m OD**

00-30

Component Missing

30-351

As2, Ag2, Th²+, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft dark grey silty-clay with some turfa and Hydrobia spp.

351-392

Sh2, Th²2, Th²(Phra)+, D1+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified peat with some turfa and Phragmites - dark brown in colour with occasional detrital wood remains.

392-844

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay - soft and buttery.

844-899

Sh4, Th²(Phra)+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Quite soft dark brown well humified peat with some Phragmites and Chalk fragments. Basal peat with some Chalk inclusions within the peat.**Core 12 +1.63m OD**

00-30

Component Missing

30-150

Ag3, As1, Lf+, Ga+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dry silty-clay with iron-staining and a trace of sand.

150-205

As1, Ag3, part test moll+, Th²⁺

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey clayey-silt with some turfa and Hydrobia spp.

205-230

As3, Ag1, Sh+

nig. 3+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft black clay with some silt and rare turfa.

230-348

As2, Ag2, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Battleship-grey silty-clay with some turfa - soft and buttery.

348-386

Th²⁺1, Sh2, Th²(Phra)1

nig. 3, strf. 0, sicc. 2, elas. 1, lim. sup. 0

Well humified peat with some turfa and Phragmites which increase in volume towards base. Dark brown and homogenous.

386-650

As2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0,

Battleship-grey clay - soft and buttery.

650-750

Ag3, As1

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark grey clay with some silt.

750

Chalk.

Core 13 +1.65m OD

00-20

Component Missing

20-60

Ga2, Ag2, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Iron-stained compact silty-sand.

60-381

Ag3, Ga1

nig. 2, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Finely laminated sand with some silt.

381-452

As+, Ag3, Ga1

nig. 2, strf. 2, sicc. 2, elas. 0, lim. sup. 0

Well laminated sandy-silt with some clay and eroded Chalk flecks.

452-650

As2, Ag2, part test moll+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey brown silty-clay with Scrobicularia and Hydrobia spp. Soft and unlaminated.

650

Sharp contact to Chalk.

Core 14 +1.74m OD

00-30

Component Missing

30-50

As2, Ga1, Ag1, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown stiff silty-clay with some sand and iron-staining.

50-275

As2, Ag2, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey-brown silty-clay with occasional turfa.

275-295

Sh3, Th²(Phra)1, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Dark brown well humified peat with some turfa with occasional Phragmites.

295-300

As1, Sh3

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Well humified light brown amorphous peat with some clay.

300-310

Ga4

nig. 1+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact white sand.

310-430

Ga3, Ag1, Lf+, Dl+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-blue sand with some silt. Compact and with pockets of iron-staining and a piece of detrital wood (Alnus?) in the upper 5cm.

430

Chalk.

Core 15 +1.72m OD

00-30

Component Missing

30-50

Ag₂, Ga₂, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Compact iron-stained silty-sand.

50-190

As₂, Ag₂, Th²⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey-brown silty-clay with occasional turfa.

190-350

Ag₃, Ga₁, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey sandy-silt with orange patches of iron-staining.

350-390

Ga₄, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse brown sand with some iron-staining.

390

Weathered Chalk.

Core 16 +1.74m OD

00-30

Component Missing

30-40

Ga₄, Lf⁺, Ag⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown sand with some silt and iron-staining.

40-200

As₂, Ag₂, Th²⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Soft grey silt with some clay and occasional turfa.

200-240

Ga₄, Gg(min)⁺, Lf⁺

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse sand with some iron-staining.

240

Weathered Chalk.

Core 17 +1.70m OD

00-30

Component Missing

30-40

Ga4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown sand with some iron-staining.

40-140

Ag3, As1

nig. 3, strf. 1, sicc. 2, elas. 0, lim. sup. 0

Soft grey clayey-silt becoming finely laminated towards base.

140-180

Ag1, Ga3

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Blue-grey silty-sand.

180-195

Ga4, Gg(maj)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse brown sand with occasional flints.

195

Weathered Chalk.

Core 18 +1.72m OD

00-30

Component Missing

30-80

Ga4

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown sand.

80-150

Ag1, Ga3, Gg(maj)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-white sand with some silt and occasional flint.

150-230

Ga2, Ag2

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-blue sandy-silt.

230-280

Ga4, Gg(maj)+, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Coarse orange sand with some iron-staining.

280

Weathered Chalk.

Core 19 +1.89m OD

00-30

Component Missing

30-90

Ga3, Ag1, Lf+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown crumbly sand with some silt and iron-staining.

90-140

Ga3, Ag1, Th³⁺

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Silty-sand with occasional turfa, orange becoming grey with depth.

140-205

Ga4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Green-grey sand with some iron-staining.

205

Weathered Chalk.

Core 20 +2.04m OD

00-30

Component Missing

30-60

Ga4, Lf+, Anth+

nig. 3, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown sand with occasional charcoal flecks.

60-80

Ga3, Ag1, Lf+

nig. 2+, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown sand becoming darker with depth and with occasional flints and some iron-staining.

80-195

Ga4

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Grey-brown sand becoming darker with depth and with occasional flints and some iron-staining.

195

Chalk

Core 21 +2.01m OD

00-30

Component Missing

30-80

Ga4, Lf+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Orange-brown sand with some iron-staining.

80-250

Ga4, Gg(maj)+

nig. 2, strf. 0, sicc. 2, elas. 0, lim. sup. 0

Brown sand becoming grey with depth and with occasional flints.

250

Weathered Chalk.

Appendix 2 Pollen CountsA2.1. Sandfield Farm SF-10 (depth cm below surface).

| | 687 | 691 | 692 | 694 | 698 | 702 | 706 | 708 | 710 |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|
| Alnus | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Betula | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 3 |
| Pinus | 0 | 4 | 5 | 4 | 4 | 4 | 2 | 2 | 0 |
| Quercus | 1 | 2 | 1 | 0 | 4 | 3 | 2 | 11 | 9 |
| Tilia | 4 | 3 | 11 | 8 | 14 | 4 | 9 | 4 | 9 |
| Ulmus | 1 | 1 | 1 | 0 | 3 | 0 | 3 | 3 | 2 |
| Corylus | 10 | 9 | 8 | 8 | 13 | 2 | 1 | 5 | 2 |
| Salix | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Atriplex-type | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Avena sativa | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Bellis-type | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bidens-type | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 6 | 0 |
| Cyperaceae | 9 | 107 | 204 | 75 | 46 | 103 | 7 | 9 | 2 |
| Gramineae | 120 | 20 | 15 | 66 | 59 | 43 | 108 | 154 | 303 |
| Malvaceae | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| Mentha | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Parnassia-type | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Plantaginaceae | 0 | 0 | 2 | 1 | 2 | 0 | 1 | 3 | 0 |
| Plantago coronopus | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Rumex | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 0 |
| Taraxacum vulgare | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Umbelliferae | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Valeriana | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lemna | 0 | 1 | 0 | 1 | 3 | 0 | 8 | 6 | 1 |
| Myriophyllum-type | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Nymphaea | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Potamogeton | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 22 | 0 |
| Ranunculaceae | 0 | 1 | 0 | 0 | 0 | 2 | 8 | 2 | 1 |
| Sagittaria | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Typha angustifolia | 6 | 3 | 3 | 2 | 2 | 0 | 16 | 16 | 5 |
| Typha latifolia | 0 | 0 | 0 | 0 | 3 | 1 | 16 | 15 | 3 |
| Filicales | 1 | 14 | 30 | 68 | 24 | 4 | 2 | 5 | 0 |
| Polypodium | 2 | 1 | 0 | 0 | 2 | 2 | 2 | 3 | 0 |
| Spores | 1 | 10 | 3 | 9 | 7 | 5 | 12 | 2 | 1 |
| | 328 | 330 | 332 | 334 | 336 | 350 | 354 | 356 | |
| Alnus | 6 | 3 | 4 | 11 | 0 | 30 | 12 | 18 | |
| Betula | 4 | 3 | 9 | 6 | 3 | 7 | 3 | 7 | |
| Fraxinus | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pinus | 1 | 0 | 2 | 1 | 1 | 2 | 0 | 2 | |
| Quercus | 21 | 22 | 24 | 40 | 15 | 19 | 31 | 31 | |
| Tilia | 4 | 4 | 3 | 12 | 2 | 4 | 6 | 6 | |
| Ulmus | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |

| | | | | | | | | |
|-----------------------|----|----|----|-----|-----|----|----|-----|
| Corylus | 25 | 12 | 10 | 24 | 6 | 20 | 13 | 29 |
| Artemisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Aster-type | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| Caltha | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 1 | 4 | 2 | 1 | 0 | 7 | 1 | 4 |
| Cyperaceae | 2 | 11 | 5 | 7 | 5 | 10 | 10 | 15 |
| Geranium-type | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Gramineae | 88 | 88 | 90 | 41 | 117 | 58 | 72 | 36 |
| Helianthemum-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Malvaceae | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Myriophyllum-type | 2 | 0 | 0 | 2 | 2 | 1 | 1 | 2 |
| Plantaginaceae | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| Rumex | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scleranthus-type | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Umbelliferae | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Lemna | 5 | 3 | 5 | 325 | 5 | 8 | 0 | 14 |
| Nymphaea | 0 | 1 | 1 | 2 | 1 | 1 | 3 | 0 |
| Potamogeton | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Ranunculus-type | 0 | 1 | 0 | 6 | 0 | 0 | 1 | 1 |
| Sagittaria | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Typha angustifolia | 7 | 3 | 5 | 4 | 0 | 1 | 6 | 0 |
| Typha latifolia | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 11 |
| Filicales | 0 | 2 | 2 | 3 | 3 | 14 | 29 | 118 |
| Polypodium | 2 | 0 | 0 | 1 | 1 | 5 | 1 | 4 |
| Spores | 3 | 0 | 3 | 6 | 2 | 0 | 5 | 5 |
| Thelypteris palustris | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

| | | | | |
|-------------------|------------|------------|------------|------------|
| | 362 | 366 | 370 | 372 |
| Alnus | 0 | 0 | 0 | 1 |
| Betula | 1 | 1 | 2 | 0 |
| Fraxinus | 0 | 0 | 0 | 0 |
| Pinus | 1 | 0 | 2 | 0 |
| Quercus | 20 | 33 | 26 | 6 |
| Tilia | 2 | 1 | 2 | 1 |
| Ulmus | 1 | 0 | 0 | 0 |
| Corylus | 5 | 2 | 3 | 1 |
| Artemisia | 0 | 0 | 0 | 0 |
| Aster-type | 0 | 1 | 2 | 0 |
| Caltha | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 0 | 1 | 0 | 2 |
| Cyperaceae | 31 | 45 | 42 | 16 |
| Geranium-type | 0 | 0 | 0 | 0 |
| Gramineae | 86 | 61 | 87 | 93 |
| Helianthemum-type | 0 | 0 | 0 | 0 |
| Malvaceae | 1 | 3 | 0 | 0 |
| Myriophyllum-type | 0 | 0 | 0 | 0 |
| Plantaginaceae | 0 | 0 | 0 | 0 |
| Rumex | 0 | 0 | 0 | 0 |
| Scleranthus-type | 0 | 0 | 0 | 0 |
| Umbelliferae | 1 | 0 | 0 | 0 |
| Lemna | 0 | 0 | 0 | 0 |
| Nymphaea | 0 | 0 | 0 | 0 |

| | | | | |
|-----------------------|----|----|----|---|
| Potamogeton | 0 | 0 | 0 | 0 |
| Ranunculus-type | 0 | 1 | 1 | 0 |
| Sagittaria | 0 | 0 | 0 | 0 |
| Typha angustifolia | 5 | 6 | 10 | 7 |
| Typha latifolia | 0 | 0 | 0 | 0 |
| Filicales | 84 | 13 | 7 | 0 |
| Polypodium | 1 | 0 | 1 | 2 |
| Spores | 0 | 1 | 4 | 3 |
| Thelypteris palustris | 0 | 0 | 0 | 0 |

A2.2. Sandfield Farm SF-4 (depth cm below surface).

| | 394 | 396 | 398 | 400 | 404 | 408 | 412 | 416 | 420 |
|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 428 | 432 | 443 | | | | | | |
| Alnus | 27 | 20 | 10 | 14 | 15 | 17 | 13 | 32 | 6 |
| | 4 | 3 | 11 | | | | | | |
| Betula | 10 | 6 | 17 | 16 | 12 | 7 | 6 | 14 | 11 |
| | 3 | 16 | 12 | | | | | | |
| Pinus | 1 | 1 | 2 | 7 | 2 | 0 | 1 | 3 | 5 |
| | 1 | 1 | 0 | | | | | | |
| Quercus | 30 | 30 | 34 | 46 | 33 | 27 | 29 | 18 | 18 |
| | 20 | 26 | 9 | | | | | | |
| Tilia | 25 | 16 | 10 | 19 | 12 | 7 | 10 | 8 | 3 |
| | 2 | 1 | 2 | | | | | | |
| Ulmus | 0 | 1 | 0 | 3 | 3 | 2 | 0 | 0 | 1 |
| | 0 | 0 | 0 | | | | | | |
| Corylus | 70 | 88 | 52 | 33 | 31 | 21 | 18 | 22 | 25 |
| | 9 | 12 | 7 | | | | | | |
| Aster-type | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| | 0 | 0 | 1 | | | | | | |
| Caltha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 3 | 0 | 0 | | | | | | |
| Chenopodiaceae | 4 | 3 | 0 | 1 | 4 | 9 | 2 | 0 | 0 |
| | 1 | 1 | 1 | | | | | | |
| Cyperaceae | 5 | 2 | 6 | 9 | 8 | 5 | 10 | 9 | 10 |
| | 29 | 4 | 3 | | | | | | |
| Geranium-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | | | | | | |
| Gramineae | 35 | 28 | 63 | 42 | 79 | 56 | 47 | 39 | 68 |
| | 73 | 101 | 135 | | | | | | |
| Malvaceae | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 0 | 0 | | | | | | |
| Mentha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | | | | | | |
| Myriophyllum-type | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 0 | 1 | 1 | | | | | | |
| Plantaginaceae | 0 | 0 | 1 | 0 | 1 | 0 | 10 | 1 | 1 |
| | 2 | 2 | 0 | | | | | | |
| Plantago lanceolata | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | | | | | | |
| Plantago major | 0 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 |
| | 3 | 0 | 0 | | | | | | |
| Rumex | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 |
| | 0 | 0 | 1 | | | | | | |
| Umbelliferae | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | | | | | | |
| Lemna | 30 | 5 | 71 | 266 | 7 | 2 | 5 | 0 | 6 |
| | 14 | 9 | 8 | | | | | | |
| Nymphaea | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 1 | | | | | | |

| | | | | | | | | | |
|--------------------|----|----|---|----|---|---|----|-----|-----|
| Potamogeton | 2 | 1 | 6 | 19 | 3 | 1 | 0 | 70 | 10 |
| | 10 | 16 | 2 | | | | | | |
| Ranunculus-type | 6 | 3 | 3 | 5 | 3 | 1 | 2 | 2 | 2 |
| | 1 | 0 | 0 | | | | | | |
| Typha angustifolia | 9 | 1 | 5 | 14 | 4 | 2 | 1 | 5 | 7 |
| | 7 | 6 | 3 | | | | | | |
| Typha latifolia | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| | 5 | 4 | 0 | | | | | | |
| Filicales | 11 | 3 | 5 | 5 | 3 | 1 | 13 | 175 | 361 |
| | 4 | 1 | 0 | | | | | | |
| Osmunda-type | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | | | | | | |
| Polypodium | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 0 | 2 |
| | 1 | 3 | 1 | | | | | | |
| Pteridium | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | | | | | | |
| Spores | 6 | 2 | 4 | 2 | 7 | 7 | 15 | 17 | 17 |
| | 4 | 1 | 0 | | | | | | |

A2.3. Marsh Lane ML-9 (depth cm below surface).

| | 674 704 | 676 706 | 680 | 684 | 688 | 692 | 696 | 700 | 702 |
|-------------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|
| Alnus | 4 5 | 1 1 | 2 | 0 | 5 | 0 | 3 | 1 | 1 |
| Betula | 1 2 | 1 2 | 0 | 0 | 0 | 0 | 3 | 5 | 5 |
| Pinus | 1 3 | 1 1 | 0 | 0 | 0 | 0 | 4 | 5 | 2 |
| Quercus | 2 6 | 1 7 | 1 | 0 | 5 | 2 | 7 | 7 | 14 |
| Tilia | 12 15 | 4 5 | 3 | 2 | 1 | 2 | 3 | 7 | 14 |
| Ulmus | 0 0 | 1 1 | 0 | 1 | 6 | 1 | 0 | 0 | 4 |
| Corylus | 13 18 | 11 7 | 3 | 2 | 11 | 5 | 7 | 9 | 11 |
| Ericaceae | 0 1 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ericales | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Salix | 0 0 | 0 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 0 1 | 0 5 | 4 | 1 | 0 | 0 | 0 | 4 | 1 |
| Atriplex-type | 0 0 | 0 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bidens-type | 0 0 | 0 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| Caryophyllaceae | 0 0 | 0 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 0 0 | 0 19 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| Cirisium-type | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| Cyperaceae | 49 36 | 36 26 | 38 | 78 | 53 | 32 | 65 | 34 | 13 |
| Gentianella-type | 0 0 | 0 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Gramineae | 62 56 | 85 70 | 87 | 63 | 55 | 52 | 101 | 107 | 110 |
| Helianthemum-type | 0 0 | 1 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lycopus | 0 0 | 0 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malvaceae | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Mentha | 0 1 | 0 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|-----------------------|----|----|----|----|-----|---|----|----|----|
| Parnassia-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | | | | | | | |
| Plantaginaceae | 1 | 2 | 2 | 1 | 2 | 1 | 5 | 1 | 0 |
| | 0 | 0 | | | | | | | |
| Plantago lanceolata | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 |
| | 0 | 0 | | | | | | | |
| Plantago major | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | 0 | 0 | | | | | | | |
| Radiola linoides | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | | | | | | | |
| Rumex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| | 1 | 0 | | | | | | | |
| Sanguisorba-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | | | | | | | |
| Saxifragaceae | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Taraxacum vulgare | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Thalictrum | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 |
| | 1 | 2 | | | | | | | |
| Umbelliferae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 0 | | | | | | | |
| Utricularia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | 0 | 0 | | | | | | | |
| Valeriana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Verbascum | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Lemna | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 55 | 72 |
| | 1 | 0 | | | | | | | |
| Littorella uniflora | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 0 |
| | 0 | 0 | | | | | | | |
| Nymphaea | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| | 0 | 0 | | | | | | | |
| Potamogeton | 1 | 1 | 2 | 0 | 0 | 2 | 28 | 25 | 17 |
| | 2 | 1 | | | | | | | |
| Ranunculus-type | 4 | 2 | 4 | 0 | 0 | 0 | 1 | 4 | 3 |
| | 0 | 3 | | | | | | | |
| Sagittaria | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 2 |
| | 3 | 0 | | | | | | | |
| Typha angustifolia | 2 | 4 | 0 | 1 | 2 | 1 | 24 | 16 | 12 |
| | 3 | 2 | | | | | | | |
| Typha latifolia | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 24 | 48 |
| | 0 | 0 | | | | | | | |
| Filicales | 15 | 20 | 53 | 24 | 194 | 8 | 11 | 5 | 9 |
| | 28 | 2 | | | | | | | |
| Polypodium | 3 | 1 | 4 | 0 | 1 | 1 | 0 | 0 | 0 |
| | 5 | 0 | | | | | | | |
| Spores | 6 | 10 | 4 | 35 | 10 | 5 | 11 | 7 | 8 |
| | 4 | 5 | | | | | | | |
| Thelypteris palustris | 0 | 0 | 32 | 0 | 22 | 2 | 0 | 0 | 4 |
| | 1 | 0 | | | | | | | |

| | 324 362 | 330 366 | 334 | 338 | 342 | 346 | 350 | 354 | 358 |
|----------------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|
| Alnus | 26 6 | 12 1 | 9 | 11 | 12 | 8 | 3 | 1 | 8 |
| Betula | 1 1 | 6 7 | 2 | 6 | 1 | 0 | 1 | 1 | 0 |
| Pinus | 0 1 | 0 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 |
| Quercus | 6 16 | 4 9 | 2 | 7 | 2 | 4 | 2 | 4 | 5 |
| Tilia | 17 0 | 5 1 | 9 | 3 | 5 | 9 | 7 | 13 | 6 |
| Ulmus | 1 0 | 0 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Corylus | 56 19 | 25 19 | 25 | 20 | 17 | 14 | 27 | 21 | 24 |
| Ericaceae | 0 0 | 0 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Ericales | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Salix | 0 2 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 1 0 | 0 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Bidens-type | 0 0 | 0 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 0 0 | 5 3 | 0 | 1 | 0 | 2 | 0 | 1 | 0 |
| Cyperaceae | 37 26 | 30 9 | 21 | 21 | 10 | 5 | 50 | 49 | 29 |
| Drosera rotundifolia | 1 0 | 5 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gramineae | 72 87 | 107 104 | 115 | 78 | 99 | 81 | 53 | 43 | 67 |
| Lycopus | 0 0 | 0 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantaginaceae | 0 0 | 2 0 | 2 | 1 | 0 | 5 | 1 | 2 | 3 |
| Plantago lanceolata | 0 0 | 1 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago major | 0 0 | 0 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 |
| Rubiaceae | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Rumex | 0 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thalictrum | 0 2 | 0 0 | 1 | 0 | 0 | 2 | 0 | 2 | 0 |
| Umbelliferae | 0 0 | 0 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|-----------------------|---|----|----|----|---|----|----|----|----|
| Lemna | 6 | 29 | 1 | 1 | 0 | 2 | 1 | 4 | 1 |
| | 6 | 1 | | | | | | | |
| Myriophyllum-type | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Nymphaea | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Potamogeton | 2 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 1 |
| | 7 | 0 | | | | | | | |
| Ranunculus-type | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| | 1 | 0 | | | | | | | |
| Sagittaria | 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Typha angustifolia | 6 | 9 | 5 | 1 | 6 | 3 | 0 | 0 | 3 |
| | 2 | 2 | | | | | | | |
| Typha latifolia | 2 | 0 | 18 | 2 | 0 | 0 | 0 | 1 | 0 |
| | 3 | 0 | | | | | | | |
| Filicales | 7 | 56 | 17 | 12 | 6 | 13 | 14 | 23 | 20 |
| | 8 | 0 | | | | | | | |
| Polypodium | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 1 |
| | 2 | 0 | | | | | | | |
| Pteridium | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | | | | | | | |
| Spores | 5 | 26 | 11 | 29 | 6 | 4 | 6 | 10 | 1 |
| | 3 | 1 | | | | | | | |
| Thelypteris palustris | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | | | | | | | |

A2.4. Marsh Lane MMON (depth cm below OD).

| | 165 201 | 169 205 | 173 209 | 177 213 | 181 217 | 185 221 | 189 225 | 193 229 | 197 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|
| Alnus | 9 13 | 25 7 | 31 5 | 39 1 | 69 2 | 53 5 | 42 2 | 47 7 | 16 |
| Betula | 0 2 | 0 2 | 0 0 | 1 0 | 2 0 | 0 4 | 2 4 | 0 6 | 0 |
| Pinus | 1 0 | 3 1 | 3 2 | 0 1 | 0 2 | 0 2 | 3 1 | 3 0 | 3 |
| Quercus | 6 2 | 5 5 | 4 5 | 6 7 | 2 9 | 8 5 | 6 7 | 1 5 | 1 |
| Tilia | 15 7 | 11 7 | 19 3 | 25 1 | 23 1 | 10 1 | 30 2 | 22 0 | 5 |
| Ulmus | 0 0 | 0 0 | 1 0 | 0 0 | 0 1 | 0 2 | 0 0 | 0 1 | 1 |
| Corylus | 14 11 | 17 11 | 8 14 | 8 30 | 5 51 | 5 60 | 12 56 | 14 43 | 14 |
| Salix | 2 0 | 0 0 | 1 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 1 | 0 |
| Aster-type | 0 0 | 1 1 | 0 0 | 0 1 | 0 0 | 0 0 | 0 0 | 0 1 | 0 |
| Centaurea-type | 0 0 | 0 0 | 0 0 | 0 1 | 0 0 | 0 0 | 0 0 | 0 0 | 0 |
| Chenopodiaceae | 38 0 | 18 0 | 4 0 | 0 0 | 0 0 | 0 0 | 2 1 | 0 0 | 0 |
| Chrysosplenium type | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 1 0 | 0 0 | 0 |
| Cyperaceae | 32 38 | 34 61 | 29 99 | 42 82 | 16 58 | 38 39 | 15 35 | 19 25 | 31 |
| Drosera rotundifolia | 0 0 | 0 0 | 0 0 | 0 0 | 0 1 | 0 0 | 0 0 | 0 0 | 0 |
| Geranium-type | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 1 0 | 0 0 | 0 0 | 0 |
| Gramineae | 80 72 | 86 55 | 92 16 | 27 25 | 35 20 | 31 29 | 37 38 | 43 63 | 74 |
| Malvaceae | 0 0 | 1 0 | 0 0 | 0 0 | 0 1 | 0 2 | 0 0 | 0 1 | 0 |
| Plantaginaceae | 0 2 | 1 0 | 1 2 | 0 0 | 0 1 | 2 0 | 0 0 | 0 0 | 4 |
| Plantago lanceolata | 0 0 | 0 0 | 2 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 |
| Primulaceae-type | 0 0 | 0 |
| Rubiaceae | 0 0 | 0 |
| Rumex | 1 0 | 1 0 | 0 0 | 0 0 | 0 0 | 0 1 | 0 0 | 0 0 | 0 |
| Sagittaria | 0 0 | 0 0 | 2 1 | 0 0 | 0 0 | 0 1 | 0 0 | 0 1 | 0 |

| | | | | | | | | | |
|-----------------------|----|-----|----|-----|----|----|----|----|----|
| Taraxacum vulgare | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Thalictrum | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | 3 | 5 | 2 | 0 | 2 | 1 | 0 | 0 | |
| Umbelliferae | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | |
| Valeriana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| Lemna | 3 | 6 | 22 | 1 | 6 | 2 | 2 | 6 | 1 |
| | 1 | 13 | 5 | 6 | 18 | 18 | 17 | 47 | |
| Myriophyllum-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| Nymphaea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 2 | |
| Potamogeton | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 1 | 2 | 4 | 0 | 0 | |
| Ranunculus-type | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 1 | 1 | 1 | 1 | 3 | 0 | |
| Typha angustifolia | 2 | 8 | 7 | 5 | 5 | 5 | 1 | 1 | 1 |
| | 6 | 3 | 1 | 0 | 2 | 0 | 1 | 12 | |
| Typha latifolia | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | |
| Filicales | 67 | 109 | 75 | 46 | 11 | 44 | 32 | 31 | 18 |
| | 14 | 7 | 54 | 190 | 73 | 39 | 50 | 30 | |
| Polypodium | 1 | 2 | 1 | 3 | 0 | 11 | 6 | 9 | 3 |
| | 2 | 0 | 5 | 1 | 3 | 1 | 3 | 4 | |
| Pteridium | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| Spores | 9 | 4 | 5 | 2 | 3 | 2 | 6 | 3 | 2 |
| | 4 | 3 | 2 | 6 | 8 | 1 | 6 | 4 | |
| Thelypteris palustris | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | 0 | 0 | 5 | 17 | 79 | 88 | 76 | 83 | |

| | | | | | | | | | |
|-----------------------|-----|----|-----|-----|----|----|-----|-----|-----|
| Artemisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Atriplex-type | 1 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 6 |
| Bellis-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bidens-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Calluna | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Caltha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cannabis-type | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Carpinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caryophyllaceae | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Chenopodiaceae | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 |
| Cistaceae-type | 2 | 0 | 0 | 0 | 1 | 3 | 5 | 1 | 3 |
| Cornaceae-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cyperaceae | 22 | 31 | 3 | 14 | 9 | 9 | 24 | 18 | 13 |
| Fagopyrum | 116 | 63 | 150 | 110 | 30 | 67 | 113 | 11 | 12 |
| Gentianella-type | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gramineae | 45 | 44 | 62 | 83 | 75 | 73 | 114 | 131 | 128 |
| Linum | 42 | 57 | 5 | 34 | 19 | 24 | 9 | 30 | 60 |
| Lycopus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malvaceae | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Mentha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ononis-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ophioglossum vulgatum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Parnasia-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Plantago maritima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantaginaceae | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 2 |
| | 1 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------------------|----|----|---|----|---|----|----|----|----|
| Plantago coronopus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago lanceolata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago major | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plumbaginaceae | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 4 |
| Primulaceae-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rosaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rubiaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rumex | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saxifragaceae | 1 | 2 | 1 | 3 | 1 | 1 | 0 | 0 | 0 |
| Scleranthus-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Serratula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sphagnum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sueda maritima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Taraxacum vulgare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thalictrum | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Umbelliferae | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Utricularia | 0 | 8 | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| Valeriana | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lemna | 8 | 41 | 4 | 6 | 1 | 1 | 0 | 0 | 0 |
| Myriophyllum-type | 4 | 5 | 4 | 0 | 3 | 3 | 0 | 0 | 0 |
| Nymphaea | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| Potamogeton | 17 | 25 | 4 | 64 | 6 | 24 | 6 | 0 | 0 |
| Ranunculus-type | 11 | 11 | 3 | 8 | 0 | 3 | 0 | 0 | 0 |
| Sagittaria | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 0 |
| Typha angustifolia | 2 | 10 | 2 | 26 | 2 | 2 | 1 | 2 | 2 |
| Typha latifolia | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 13 | 13 |
| | 1 | 0 | 0 | 0 | 1 | 11 | 0 | 1 | 0 |

| | | | | | | | | | |
|-----------------------|----|-----|----|----|-----|-----|----|----|----|
| Caltha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cannabis-type | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carpinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caryophyllaceae | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 10 | 2 | 13 | 10 | 13 | 1 | 6 | 2 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Cistaceae-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Cornaceae-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cyperaceae | 35 | 29 | 47 | 25 | 18 | 31 | 17 | 22 | 12 |
| | 31 | 84 | 92 | 85 | 57 | 36 | 83 | 96 | 83 |
| Fagopyrum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gentianella-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| Gramineae | 19 | 100 | 76 | 75 | 113 | 121 | 85 | 78 | 27 |
| | 58 | 5 | 10 | 24 | 13 | 28 | 13 | 26 | 39 |
| Linum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lycopus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malvaceae | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Mentha | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| Ononis-type | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ophioglossum vulgatum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Parnasia-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago maritima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantaginaceae | 3 | 0 | 2 | 4 | 8 | 4 | 1 | 1 | 0 |
| | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 0 | 2 |
| Plantago coronopus | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago lanceolata | 1 | 2 | 2 | 0 | 4 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago major | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plumbaginaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Primulaceae-type | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rosaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |

| | | | | | | | | | |
|-----------------------|----|----|----|----|----|----|----|----|----|
| Rubiaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rumex | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| Saxifragaceae | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 |
| Scleranthus-type | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 |
| Serratula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sphagnum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Taraxacum vulgare | 0 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 |
| Thalictrum | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Umbelliferae | 1 | 0 | 3 | 1 | 2 | 2 | 0 | 1 | 0 |
| Utricularia | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Valeriana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lemna | 0 | 0 | 0 | 2 | 5 | 9 | 9 | 16 | 1 |
| Myriophyllum-type | 2 | 0 | 1 | 8 | 4 | 0 | 0 | 1 | 3 |
| Nymphaea | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 |
| Potamogeton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Ranunculus-type | 0 | 3 | 0 | 3 | 4 | 1 | 2 | 6 | 8 |
| Sagittaria | 2 | 4 | 2 | 3 | 3 | 2 | 0 | 2 | 1 |
| Typha angustifolia | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 2 |
| Typha latifolia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Filicales | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 |
| Polypodium | 13 | 78 | 70 | 32 | 19 | 57 | 19 | 19 | 10 |
| Pteridium | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 4 | 2 |
| Spores | 0 | 2 | 2 | 2 | 1 | 4 | 1 | 5 | 1 |
| Thelypteris palustris | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| | 1 | 1 | 3 | 5 | 2 | 0 | 2 | 0 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 0 |

| | 81 147 | 87 153 | 93 159 | 99 165 | 105 171 | 111 177 | 117 189 | 123 193 | 129 195 |
|-----------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|
| Alnus | 0 | 0 | 1 | 2 | 1 | 1 | 3 | 3 | 2 |
| | 1 | 4 | 7 | 6 | 3 | 3 | 2 | 3 | 8 |
| Betula | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| | 1 | 1 | 3 | 0 | 5 | 4 | 2 | 4 | 2 |
| Fraxinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pinus | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 1 |
| Quercus | 1 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 2 |
| | 3 | 6 | 4 | 2 | 6 | 3 | 0 | 5 | 2 |
| Tilia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Ulmus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| Corylus | 0 | 0 | 0 | 5 | 1 | 3 | 0 | 0 | 1 |
| | 1 | 5 | 10 | 5 | 13 | 6 | 2 | 7 | 4 |
| Ericaceae | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ericales | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Salix | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Ameria maritima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Anthemis-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 0 |
| Artemisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 0 | 2 | 1 | 0 | 1 | 3 |
| Atriplex-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bellis-type | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Bidens-type | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Calluna | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caltha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Cannabis-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carpinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caryophyllaceae | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 |
| | 0 | 6 | 6 | 8 | 4 | 5 | 7 | 12 | 9 |

A2.6. Hacklinge H-7 (depth cm below surface).

| | 332 | 355 | 368 | 378 | 383 | 388 | 394 | 397 |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Alnus | 2 | 0 | 8 | 7 | 71 | 6 | 2 | 2 |
| Betula | 1 | 0 | 29 | 13 | 25 | 3 | 4 | 1 |
| Pinus | 0 | 1 | 2 | 0 | 3 | 4 | 2 | 2 |
| Quercus | 1 | 9 | 8 | 36 | 23 | 15 | 24 | 21 |
| Tilia | 0 | 0 | 4 | 1 | 3 | 1 | 0 | 2 |
| Ulmus | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Corylus | 3 | 0 | 56 | 14 | 44 | 13 | 10 | 6 |
| Ericaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ericales | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Euonymus | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Salix | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Artemisia | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| Atriplex-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bidens-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Calluna | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Caltha | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Cannabis-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carpinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caryophyllaceae | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Chenopodiaceae | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Cirisium-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crithmum maritimu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cruciferae | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cyperaceae | 4 | 16 | 74 | 99 | 1 | 29 | 21 | 90 |
| Epilobium | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Filipendula | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Gramineae | 196 | 176 | 11 | 32 | 27 | 126 | 134 | 57 |
| Linum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mentha | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| Plantago maritima | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantaginaceae | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| Plantago coronopus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago lanceolata | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Plantago major | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rosaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Rubiaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rumex | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| Saxifragaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Silene-type | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Taraxacum vulgare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thalictrum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Umbelliferae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utricularia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lemna | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Myriophyllum-type | 0 | 0 | 0 | 26 | 65 | 1 | 1 | 1 |
| Nymphaea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sagittaria | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

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|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Typha angustifolia | 137 | 0 | 38 | 53 | 3 | 17 | 0 | 0 | |
| Typha latifolia | 0 | 0 | 0 | 9 | 0 | 1 | 0 | 0 | |
| Filicales | 0 | 2 | 0 | 1 | 2 | 16 | 0 | 2 | |
| Polypodium | 1 | 0 | 6 | 3 | 1 | 4 | 0 | 2 | |
| Pteridium | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| | 59 | 69 | 91 | 95 | 103 | 111 | 115 | 120 | 125 |
| | 172 | 175 | 182 | 268 | 275 | 288 | 300 | 310 | 320 |
| Alnus | 1 | 0 | 1 | 2 | 1 | 1 | 2 | 0 | 1 |
| | 0 | 3 | 6 | 20 | 9 | 6 | 7 | 5 | 5 |
| Betula | 0 | 0 | 4 | 2 | 1 | 0 | 3 | 1 | 0 |
| | 2 | 3 | 4 | 5 | 5 | 16 | 2 | 2 | 3 |
| Pinus | 0 | 2 | 0 | 2 | 3 | 0 | 2 | 0 | 0 |
| | 3 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 |
| Quercus | 2 | 4 | 6 | 8 | 6 | 13 | 21 | 14 | 17 |
| | 19 | 26 | 21 | 47 | 21 | 23 | 12 | 14 | 13 |
| Tilia | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 4 | 0 | 0 | 5 | 5 | 10 |
| Ulmus | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Corylus | 0 | 0 | 4 | 2 | 0 | 1 | 3 | 1 | 4 |
| | 6 | 7 | 5 | 10 | 10 | 11 | 4 | 2 | 2 |
| Ericaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 |
| Ericales | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Euonymus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Salix | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Artemisia | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aster-type | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 4 |
| | 5 | 8 | 5 | 0 | 0 | 1 | 1 | 1 | 0 |
| Atriplex-type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bidens-type | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Calluna | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caltha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cannabis-type | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carpinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Caryophyllaceae | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chenopodiaceae | 1 | 2 | 1 | 0 | 0 | 2 | 2 | 5 | 5 |
| | 12 | 20 | 12 | 5 | 5 | 25 | 5 | 3 | 2 |
| Cirisium-type | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

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|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Crithmum maritimum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cruciferae | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| Cyperaceae | 5 | 12 | 22 | 22 | 71 | 50 | 64 | 66 | 43 |
| Epilobium | 51 | 35 | 51 | 36 | 30 | 64 | 117 | 121 | 45 |
| Filipendula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Gramineae | 193 | 160 | 144 | 134 | 103 | 127 | 106 | 117 | 124 |
| Linum | 102 | 98 | 91 | 85 | 118 | 76 | 53 | 49 | 125 |
| Mentha | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
| Plantago maritima | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantaginaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plantago coronopus | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Plantago lanceolata | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| Plantago major | 0 | 3 | 13 | 17 | 7 | 5 | 3 | 0 | 0 |
| Rosaceae | 0 | 0 | 0 | 0 | 10 | 1 | 1 | 0 | 0 |
| Rubiaceae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rumex | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saxifragaceae | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Silene-type | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| Taraxacum vulgare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thalictrum | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Umbelliferae | 1 | 2 | 4 | 6 | 7 | 0 | 0 | 0 | 0 |
| Utricularia | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lemna | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Myriophyllum-type | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 5 | 0 |
| Nymphaea | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 0 | 3 |
| Sagittaria | 1 | 1 | 3 | 0 | 1 | 0 | 4 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

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|---------------------------|----|----|----|----|---|----|----|----|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Typha angustifolia</i> | 29 | 98 | 7 | 10 | 4 | 3 | 6 | 9 | 5 |
| | 1 | 3 | 2 | 14 | 0 | 2 | 4 | 3 | 0 |
| <i>Typha latifolia</i> | 0 | 0 | 2 | 0 | 0 | 2 | 9 | 17 | 17 |
| | 5 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 |
| Filicales | 0 | 1 | 11 | 5 | 7 | 28 | 6 | 0 | 5 |
| | 0 | 3 | 0 | 1 | 0 | 0 | 12 | 28 | 4 |
| Polypodium | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 |
| Pteridium | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |

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|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Campilodiscus decorus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis interrupta | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 |
| Gyrosigma balticum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Gyrosigma sp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Navicula digito-radiata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia navicularis | 202 | 150 | 122 | 62 | 53 | 34 | 38 | 52 | 20 |
| Nitzschia fasciculata | 33 | 18 | 7 | 11 | 12 | 7 | 12 | 7 | 9 |
| Rhopalodia gibberula | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cyclotella meneghiniana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia dubia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia tryblionella | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis producta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bacillaria paxillifer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cymbella aspera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cymbella turgida | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Epithemis turgida | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis phoenicenteron | 0 | 0 | 16 | 4 | 3 | 8 | 4 | 2 | 2 |
| Surirella ovata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Synedra capita | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis anceps | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 496 | 500 | 504 | 508 | 512 | 516 | 520 | 524 | 528 |
| | 532 | 536 | 540 | 544 | 548 | 562 | 566 | 570 | 574 |
| Anorthoneis excentrica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aulacodiscus argus | 0 | 0 | 4 | 16 | 8 | 15 | 12 | 4 | 0 |
| Auliscus scuptus | 32 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| Auricula dubia | 0 | 1 | 0 | 4 | 0 | 1 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Stauroneis producta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bacillaria paxillifer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cymbella aspera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cymbella turgida | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Epithemis turgida | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Stauroneis phoenicenteron | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surirella ovata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Synedra capita | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis anceps | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 578 | 582 | 586 | 590 | 594 | 598 | 602 | 606 | 614 |
| | 618 | 622 | 626 | 630 | 634 | 638 | 642 | 676 | 680 |
| Anorthoneis excentrica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aulacodiscus argus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Auliscus scuptus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Auricula dubia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biddulphia biddulphiana | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biddulphia reticulum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coscinodiscus apiculatus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coscinodiscus centralis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coscinodiscus perforatus | 5 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 2 |
| | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coscinosira polychorda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis bombus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis crabro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis incurvata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis weisflogii | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemidiscus cuneiformis | 2 | 2 | 4 | 3 | 1 | 0 | 3 | 7 | 1 |
| | 3 | 9 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |

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|-----------------------------------|----|-----|----|-----|----|----|----|-----|----|
| <i>Paralia sulcata</i> | 3 | 28 | 33 | 11 | 58 | 20 | 41 | 71 | 43 |
| | 51 | 32 | 61 | 21 | 26 | 15 | 16 | 5 | 21 |
| <i>Melosira varians</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula distans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula lundstroemii</i> | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| <i>Navicula peregrina</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia granulata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia panduriformis</i> | 0 | 0 | 6 | 8 | 14 | 8 | 10 | 126 | 64 |
| <i>Nitzschia socialis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | 64 | 3 | 2 | 2 | 20 | 27 | 6 | 10 |
| <i>Podosira stelliga</i> | 2 | 2 | 2 | 10 | 0 | 7 | 4 | 0 | 0 |
| | 2 | 4 | 4 | 8 | 9 | 3 | 1 | 11 | 3 |
| <i>Surirella fatuosa</i> | 4 | 13 | 10 | 3 | 3 | 6 | 2 | 3 | 0 |
| | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| <i>Thalassiosira rotula</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Trachyneis aspera</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 5 | 11 | 2 | 9 | 10 | 1 | 0 | 1 |
| <i>Triceratium alternans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Triceratium antediluvianum</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Triceratium favus</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Triceratium formosum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Triceratium perpendiculare</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Actinoptychus undulatus</i> | 5 | 8 | 7 | 6 | 14 | 9 | 14 | 11 | 7 |
| | 7 | 6 | 13 | 11 | 11 | 8 | 9 | 2 | 4 |
| <i>Diploneis didyma</i> | 7 | 9 | 8 | 6 | 6 | 6 | 17 | 8 | 9 |
| | 8 | 5 | 16 | 15 | 9 | 13 | 7 | 7 | 10 |
| <i>Diploneis smithii</i> | 8 | 9 | 10 | 9 | 34 | 9 | 22 | 3 | 6 |
| | 2 | 5 | 4 | 4 | 4 | 2 | 3 | 1 | 3 |
| <i>Navicula marina</i> | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 2 |
| | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 2 | 2 |
| <i>Rhaphoneis amphiceros</i> | 4 | 9 | 5 | 7 | 14 | 7 | 14 | 17 | 11 |
| | 3 | 4 | 12 | 4 | 9 | 9 | 4 | 2 | 3 |
| <i>Rhaphoneis nitida</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Thalassiosira decipiens</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia punctata</i> | 6 | 7 | 3 | 5 | 26 | 4 | 4 | 6 | 13 |
| | 16 | 9 | 13 | 13 | 4 | 8 | 9 | 8 | 38 |
| <i>Scoliopleura tumida</i> | 3 | 16 | 14 | 120 | 2 | 5 | 4 | 2 | 32 |
| | 57 | 109 | 17 | 29 | 78 | 99 | 76 | 7 | 15 |

| | 682 | 684 | 686 |
|----------------------------|-----|-----|-----|
| Anorthoneis excentrica | 0 | 0 | 0 |
| Aulacodiscus argus | 0 | 0 | 0 |
| Auliscus scuptus | 0 | 0 | 0 |
| Auricula dubia | 0 | 0 | 0 |
| Biddulphia biddulphiana | 0 | 0 | 0 |
| Biddulphia reticulum | 0 | 0 | 0 |
| Coscinodiscus apiculatus | 0 | 0 | 0 |
| Coscinodiscus centralis | 0 | 0 | 0 |
| Coscinodiscus perforatus | 0 | 0 | 0 |
| Coscinosira polychorda | 0 | 0 | 0 |
| Diploneis bombus | 0 | 0 | 0 |
| Diploneis crabro | 0 | 0 | 0 |
| Diploneis incurvata | 0 | 0 | 0 |
| Diploneis weisflogii | 0 | 0 | 0 |
| Hemidiscus cuneiformis | 0 | 0 | 0 |
| Paralia sulcata | 8 | 7 | 12 |
| Melosira varians | 0 | 0 | 0 |
| Navicula distans | 0 | 0 | 0 |
| Navicula lundstroemii | 0 | 0 | 0 |
| Navicula peregrina | 0 | 0 | 1 |
| Nitzschia granulata | 9 | 64 | 32 |
| Nitzschia panduriformis | 0 | 0 | 0 |
| Nitzschia socialis | 0 | 0 | 0 |
| Podosira stelliga | 0 | 0 | 2 |
| Surirella fatuosa | 0 | 0 | 0 |
| Thalassiosira rotula | 0 | 0 | 0 |
| Trachyneis aspera | 0 | 0 | 0 |
| Triceratium alternans | 0 | 0 | 0 |
| Triceratium antediluvianum | 0 | 0 | 0 |
| Triceratium favus | 0 | 0 | 0 |
| Triceratium formosum | 0 | 0 | 0 |
| Triceratium perpendiculare | 0 | 0 | 0 |
| Actinoptychus undulatus | 1 | 2 | 6 |
| Diploneis didyma | 0 | 28 | 44 |
| Diploneis smithii | 1 | 9 | 7 |
| Navicula marina | 2 | 0 | 0 |
| Rhaphoneis amphiceros | 0 | 2 | 1 |
| Rhaphoneis nitida | 0 | 0 | 0 |
| Thalassiosira decipiens | 0 | 0 | 0 |
| Nitzschia punctata | 2 | 66 | 56 |
| Scoliopleura tumida | 1 | 3 | 1 |
| Surirella gemma | 0 | 0 | 0 |
| Surirella ovalis | 0 | 0 | 0 |
| Caloneis amphisbaena | 0 | 0 | 0 |
| Caloneis fasciata | 0 | 1 | 0 |
| Campilodiscus decorus | 0 | 0 | 0 |
| Diploneis interrupta | 0 | 0 | 0 |
| Gyrosigma balticum | 0 | 0 | 0 |
| Gyrosigma sp | 0 | 0 | 0 |
| Navicula digito-radiata | 0 | 0 | 0 |

| | | | | | | | | | |
|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>Nitzschia navicularis</i> | 7 | 29 | 48 | | | | | | |
| <i>Nitzschia fasciculata</i> | 0 | 0 | 0 | | | | | | |
| <i>Rhopalodia gibberula</i> | 0 | 0 | 0 | | | | | | |
| <i>Cyclotella meneghiniana</i> | 0 | 0 | 0 | | | | | | |
| <i>Nitzschia dubia</i> | 0 | 0 | 1 | | | | | | |
| <i>Nitzschia tryblionella</i> | 0 | 0 | 0 | | | | | | |
| <i>Stauroneis producta</i> | 0 | 0 | 1 | | | | | | |
| <i>Bacillaria paxillifer</i> | 0 | 0 | 0 | | | | | | |
| <i>Cymbella aspera</i> | 0 | 0 | 0 | | | | | | |
| <i>Cymbella turgida</i> | 0 | 0 | 0 | | | | | | |
| <i>Epithemis turgida</i> | 1 | 1 | 2 | | | | | | |
| <i>Stauroneis phoenicenteron</i> | 0 | 0 | 0 | | | | | | |
| <i>Surirella ovata</i> | 0 | 0 | 0 | | | | | | |
| <i>Synedra capita</i> | 0 | 1 | 0 | | | | | | |
| <i>Stauroneis anceps</i> | 0 | 0 | 0 | | | | | | |
| | 158 | 162 | 166 | 170 | 174 | 178 | 182 | 186 | 284 |
| | 288 | 292 | 296 | 300 | 304 | 308 | 312 | 316 | 320 |
| <i>Aulacodiscus argus</i> | 0 | 0 | 0 | 2 | 5 | 2 | 1 | 4 | 1 |
| | 1 | 3 | 3 | 0 | 2 | 2 | 1 | 0 | 0 |
| <i>Auliscus scuptus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Biddulphia alternans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Coscinodiscus apiculatus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| <i>Diploneis bombus</i> | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Diploneis crabro</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Diploneis incurvata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| <i>Hemidiscus cuneiformis</i> | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 1 |
| <i>Melosira varians</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula distans</i> | 0 | 3 | 2 | 0 | 2 | 0 | 0 | 0 | 0 |
| | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Navicula hennedyi</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula latissima</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula peregrina</i> | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 3 |
| | 0 | 0 | 0 | 2 | 11 | 0 | 1 | 0 | 0 |
| <i>Nitzschia granulata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia panduriformis</i> | 0 | 0 | 0 | 2 | 2 | 3 | 2 | 0 | 0 |
| | 0 | 2 | 2 | 2 | 0 | 0 | 2 | 5 | 3 |
| <i>Paralia sulcata</i> | 4 | 58 | 28 | 138 | 141 | 135 | 127 | 149 | 35 |
| | 43 | 20 | 58 | 35 | 44 | 35 | 29 | 50 | 40 |

| | | | | | | | | | |
|---------------------------|------------|------------|----|----|----|----|-----|----|-----|
| Epithemia turgida | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 16 |
| | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Gyrosigma acuminatum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 63 | 151 | 28 | 0 |
| Nitzschia acula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 |
| Rhoicospherica curvata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis phoenicenteron | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis producta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stephanodiscus rotula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Surirella ovata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Synedra capita | 4 | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 0 |
| | 1 | 0 | 1 | 1 | 1 | 2 | 0 | 1 | 1 |
| Nitzschia linearis | 5 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 63 |
| | 1 | 4 | 28 | 13 | 13 | 13 | 14 | 37 | 100 |
| Stauroneis anceps | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 14 |
| | 1 | 0 | 6 | 4 | 0 | 6 | 0 | 4 | 7 |
| | 322 | 324 | | | | | | | |

| | | |
|--------------------------|---|----|
| Aulacodiscus argus | 0 | 0 |
| Auliscus scuptus | 0 | 0 |
| Biddulphia alternans | 0 | 0 |
| Coscinodiscus apiculatus | 0 | 0 |
| Diploneis bombus | 0 | 0 |
| Diploneis crabro | 0 | 1 |
| Diploneis incurvata | 0 | 0 |
| Hemidiscus cuneiformis | 0 | 0 |
| Melosira varians | 0 | 1 |
| Navicula distans | 1 | 0 |
| Navicula hennedyi | 0 | 0 |
| Navicula latissima | 0 | 0 |
| Navicula peregrina | 4 | 34 |
| Nitzschia granulata | 0 | 0 |
| Nitzschia panduriformis | 1 | 4 |
| Paralia sulcata | 4 | 29 |
| Podosira stelliga | 2 | 2 |
| Surirella fatuosa | 0 | 0 |
| Trachyneis aspera | 2 | 1 |
| Triceratium favus | 0 | 0 |
| Triceratium reticulum | 0 | 0 |
| Actinoptychus undulatus | 8 | 7 |
| Diploneis didyma | 2 | 2 |
| Diploneis smithii | 1 | 2 |
| Navicula marina | 0 | 1 |
| Raphoneis nitida | 3 | 7 |
| Raphoneis amphiceros | 9 | 8 |

| | | |
|----------------------------------|---|----|
| <i>Thalassiosira decipiens</i> | 0 | 0 |
| <i>Navicula crucicula</i> | 1 | 27 |
| <i>Nitzschia punctata</i> | 4 | 2 |
| <i>Scoliopleura tumida</i> | 1 | 4 |
| <i>Caloneis fasciata</i> | 0 | 0 |
| <i>Cyclotella striata</i> | 0 | 0 |
| <i>Diploneis interrupta</i> | 0 | 0 |
| <i>Navicula digito-radiata</i> | 0 | 0 |
| <i>Navicula eidrigeana</i> | 0 | 0 |
| <i>Nitzschia navicularis</i> | 3 | 3 |
| <i>Nitzschia fasciculata</i> | 0 | 0 |
| <i>Rhopalodia gibberula</i> | 7 | 14 |
| <i>Surirella striatula</i> | 0 | 0 |
| <i>Cymbella turgida</i> | 0 | 2 |
| <i>Diploneis ovalis</i> | 3 | 0 |
| <i>Epithemia turgida</i> | 1 | 3 |
| <i>Gyrosigma acuminatum</i> | 8 | 0 |
| <i>Nitzschia acula</i> | 0 | 0 |
| <i>Rhoicospherica curvata</i> | 0 | 1 |
| <i>Stauroneis phoenicenteron</i> | 0 | 1 |
| <i>Stauroneis producta</i> | 0 | 0 |
| <i>Stephanodiscus rotula</i> | 0 | 0 |
| <i>Surirella ovata</i> | 0 | 0 |
| <i>Synedra capita</i> | 1 | 2 |
| <i>Nitzschia linearis</i> | 1 | 45 |
| <i>Stauroneis anceps</i> | 6 | 0 |

A3.2.Hacklinge H-2(b) (depth cm below surface)

| | 776 804 | 780 806 | 782 808 | 784 810 | 786 | 788 | 790 | 792 | 794 |
|-------------------------|------------|------------|------------|------------|-----|-----|-----|-----|-----|
| Diploneis bombus | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| | 7 | 5 | 3 | 5 | | | | | |
| Melosira variens | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | | | | | |
| Nitzschia granulata | 5 | 63 | 121 | 109 | 125 | 144 | 167 | 31 | 46 |
| | 72 | 72 | 80 | 59 | | | | | |
| Paralia sulcata | 8 | 35 | 48 | 16 | 25 | 38 | 33 | 77 | 102 |
| | 27 | 35 | 45 | 40 | | | | | |
| Podosira stelliga | 5 | 4 | 2 | 1 | 0 | 1 | 3 | 6 | 4 |
| | 2 | 6 | 4 | 7 | | | | | |
| Trachyneis aspera | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 1 | 0 | 1 | 0 | | | | | |
| Triceratium reticulum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | | | | | |
| Actinoptychus undulatus | 1 | 2 | 0 | 0 | 2 | 1 | 2 | 2 | 2 |
| | 0 | 3 | 1 | 2 | | | | | |
| Diploneis didyma | 5 | 2 | 0 | 2 | 4 | 2 | 3 | 2 | 5 |
| | 0 | 3 | 2 | 2 | | | | | |
| Diploneis smithii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 5 | 0 | 0 | 0 | | | | | |
| Navicula marina | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| | 0 | 0 | 0 | 0 | | | | | |
| Rhaphoneis ampiceros | 2 | 2 | 1 | 0 | 5 | 1 | 2 | 4 | 2 |
| | 2 | 1 | 3 | 2 | | | | | |
| Rhaphoneis nitida | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 6 | 2 | | | | | |
| Nitzschia punctata | 4 | 13 | 2 | 2 | 5 | 8 | 11 | 45 | 27 |
| | 16 | 12 | 11 | 19 | | | | | |
| Scoliopleura tumida | 3 | 1 | 2 | 0 | 2 | 0 | 0 | 0 | 1 |
| | 0 | 1 | 0 | 0 | | | | | |
| Surirella ovalis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | 0 | | | | | |
| Diploneis interrupta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 0 | 0 | 0 | | | | | |
| Navicula digito-radiata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | | | | | |
| Navicula peregrina | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 6 | 0 | 5 | 4 | | | | | |
| Nitzschia navicularis | 5 | 83 | 28 | 75 | 32 | 32 | 11 | 28 | 10 |
| | 46 | 54 | 49 | 51 | | | | | |
| Surirella striatula | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 16 | 14 | 2 | 11 | | | | | |
| Nitzschia dubia | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | | | | | |
| Diploneis ovalis | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 1 | 0 | 0 | 0 | | | | | |

| | | | | | | | | | |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Epithemis turgida | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 1 | 0 | | | | | |
| Synedra capita | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | | | | | |
| Nitzschia linearis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | | | | | |
| | 374 | 376 | 378 | 382 | 386 | 390 | 394 | 398 | 402 |
| | 406 | 410 | 414 | 418 | 422 | 426 | 430 | 434 | 438 |
| Aulacodiscus argus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 |
| Auliscus sculptus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Biddulphia alternans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coscinodiscus apiculatus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coscinodiscus centralis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis bombus | 0 | 1 | 2 | 1 | 3 | 3 | 1 | 3 | 8 |
| | 2 | 1 | 3 | 2 | 4 | 1 | 2 | 1 | 1 |
| Diploneis incurvata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemidiscus cuneiformis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Melosira varians | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Navicula distans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Navicula hennedyi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia granulata | 1 | 16 | 47 | 23 | 24 | 34 | 14 | 25 | 39 |
| | 32 | 50 | 44 | 42 | 46 | 95 | 49 | 38 | 38 |
| Nitzschia panduriformis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| Paralia sulcata | 0 | 22 | 55 | 31 | 24 | 33 | 15 | 18 | 48 |
| | 96 | 85 | 126 | 121 | 137 | 80 | 82 | 120 | 64 |
| Pleurosigma formosum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Podosira stelliga | 6 | 8 | 7 | 8 | 4 | 4 | 0 | 5 | 2 |
| | 5 | 3 | 7 | 10 | 4 | 8 | 5 | 1 | 2 |
| Surirella fatuosa | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trachyneis aspera | 0 | 1 | 2 | 4 | 8 | 0 | 14 | 2 | 14 |
| | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| Triceratium favus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Actinoptychus undulatus | 0 | 2 | 0 | 2 | 1 | 1 | 0 | 0 | 0 |
| | 4 | 0 | 4 | 5 | 5 | 2 | 4 | 7 | 7 |
| Diploneis didyma | 7 | 11 | 10 | 40 | 34 | 28 | 73 | 31 | 19 |
| | 4 | 1 | 2 | 0 | 2 | 1 | 3 | 3 | 5 |

| | | | | | | | | | |
|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>Synedra capita</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| <i>Synedra ulna</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Melosira arenaria</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia linearis</i> | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 1 | 1 |
| | 2 | 10 | 4 | 6 | 4 | 10 | 4 | 2 | 6 |
| <i>Stauroneis anceps</i> | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 3 | 0 |
| | 548 | 552 | 556 | 580 | 584 | 588 | 592 | 596 | 600 |
| | 604 | 608 | 612 | 616 | 620 | 624 | 628 | 632 | 636 |
| <i>Aulacodiscus argus</i> | 3 | 4 | 4 | 7 | 3 | 0 | 1 | 0 | 0 |
| | 3 | 0 | 1 | 4 | 2 | 5 | 4 | 7 | 0 |
| <i>Auliscus sculptus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Biddulphia alternans</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 2 | 1 | 0 | 3 | 0 | 0 | 0 |
| <i>Coscinodiscus apiculatus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Coscinodiscus centralis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Diploneis bombus</i> | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 2 |
| | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 2 | 3 |
| <i>Diploneis incurvata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Hemidiscus cuneiformis</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Melosira varians</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Navicula distans</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Navicula hennedyi</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Nitzschia granulata</i> | 3 | 4 | 10 | 7 | 24 | 14 | 12 | 10 | 8 |
| | 15 | 21 | 22 | 17 | 11 | 6 | 16 | 7 | 17 |
| <i>Nitzschia panduriformis</i> | 1 | 4 | 0 | 0 | 1 | 0 | 0 | 2 | 1 |
| | 0 | 1 | 2 | 3 | 3 | 1 | 2 | 1 | 1 |
| <i>Paralia sulcata</i> | 5 | 50 | 43 | 48 | 28 | 63 | 34 | 35 | 75 |
| | 29 | 72 | 98 | 104 | 59 | 97 | 104 | 90 | 79 |
| <i>Pleurosigma formosum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Podosira stelliga</i> | 2 | 2 | 1 | 1 | 2 | 0 | 1 | 0 | 3 |
| | 0 | 1 | 2 | 3 | 1 | 0 | 2 | 1 | 1 |
| <i>Surirella fatuosa</i> | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 |
| <i>Trachyneis aspera</i> | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 |
| | 0 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| <i>Triceratium favus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | |
|--------------------------------|---|----|----|----|-----|-----|----|
| <i>Nitzschia granulata</i> | 2 | 14 | 37 | 19 | 13 | 27 | 49 |
| <i>Nitzschia panduriformis</i> | 6 | 0 | 2 | 2 | 1 | 0 | 1 |
| <i>Paralia sulcata</i> | 0 | 86 | 84 | 96 | 111 | 107 | 94 |
| <i>Pleurosigma formosum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Podosira stelliga</i> | 1 | 4 | 4 | 2 | 0 | 0 | 6 |
| <i>Surirella fatuosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Trachyneis aspera</i> | 0 | 2 | 1 | 0 | 0 | 1 | 0 |
| <i>Triceratium favus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Actinoptychus undulatus</i> | 7 | 5 | 2 | 4 | 2 | 0 | 1 |
| <i>Diploneis didyma</i> | 4 | 6 | 1 | 2 | 3 | 2 | 0 |
| <i>Diploneis smithii</i> | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| <i>Gyrosigma strigilis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula humerosa</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula marina</i> | 0 | 1 | 1 | 0 | 1 | 1 | 0 |
| <i>Rhaphoneis amphiceros</i> | 1 | 14 | 7 | 7 | 4 | 9 | 6 |
| <i>Rhaphoneis nitida</i> | 2 | 5 | 2 | 5 | 6 | 7 | 5 |
| <i>Nitzschia punctata</i> | 9 | 19 | 17 | 16 | 14 | 17 | 18 |
| <i>Scoliopleura tumida</i> | 0 | 1 | 2 | 2 | 0 | 2 | 1 |
| <i>Stauroneis gracillima</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| <i>Surirella gemma</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Surirella ovalis</i> | 2 | 0 | 2 | 3 | 2 | 2 | 1 |
| <i>Caloneis fasciata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cyclotella striata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Diploneis interrupta</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Gyrosigma balticum</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula digito-radiata</i> | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| <i>Navicula eidrigeana</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula peregrina</i> | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| <i>Nitzschia apiculata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia lanceolata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia navicularis</i> | 8 | 25 | 23 | 34 | 36 | 10 | 24 |
| <i>Rhopalodia gibberula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Surirella striatula</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Gyrosigma peisonis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia hungarica</i> | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| <i>Nitzschia parvula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia tryblionella</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Rhapalodia gibberula</i> | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| <i>Cymbella aspera</i> | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| <i>Cymbella helvetica</i> | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| <i>Diploneis ovalis</i> | 1 | 0 | 0 | 0 | 0 | 2 | 1 |
| <i>Epithemis turgida</i> | 0 | 3 | 5 | 5 | 5 | 1 | 10 |
| <i>Fragilaria construens</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Gomphonema acuminatum</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Gyrosigma acuminatum</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Surirella capronii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Surirella elegans</i> | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| <i>Surirella ovata</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| <i>Synedra capita</i> | 3 | 3 | 4 | 4 | 2 | 3 | 2 |
| <i>Synedra ulna</i> | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Melosira arenaria</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|---------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>Nitzschia linearis</i> | 1 | 3 | 2 | 1 | 3 | 1 | 2 | | |
| <i>Stauroneis anceps</i> | 0 | 0 | 1 | 0 | 0 | 3 | 0 | | |
| | 152 | 156 | 160 | 164 | 168 | 172 | 176 | 180 | 197 |
| | 201 | 205 | 209 | 213 | 217 | 221 | 225 | 229 | 233 |
| <i>Aulacodiscus argus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Auliscus sculptus</i> | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Biddulphia alternans</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Coscinodiscus perforatus</i> | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 1 |
| | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Diploneis bombus</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Diploneis incurvata</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| <i>Nitzschia granulata</i> | 0 | 1 | 3 | 1 | 4 | 1 | 4 | 2 | 23 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia panduriformis</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Nitzschia socialis</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 1 | 0 | 5 | 0 | 1 | 0 | 0 | 0 |
| <i>Paralia sulcata</i> | 8 | 28 | 22 | 32 | 132 | 76 | 46 | 0 | 0 |
| | 11 | 21 | 27 | 22 | 39 | 30 | 16 | 12 | 20 |
| <i>Podosira stelliga</i> | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 1 |
| | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 2 |
| <i>Surirella fatuosa</i> | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Trachyneis aspera</i> | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 |
| | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| <i>Actinoptychus undulatus</i> | 3 | 4 | 2 | 11 | 14 | 19 | 10 | 6 | 2 |
| | 3 | 2 | 2 | 3 | 1 | 2 | 5 | 9 | 3 |
| <i>Diploneis didyma</i> | 0 | 28 | 58 | 58 | 4 | 1 | 5 | 15 | 28 |
| | 42 | 33 | 61 | 71 | 38 | 30 | 90 | 72 | 40 |
| <i>Diploneis smithii</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Navicula marina</i> | 1 | 8 | 5 | 3 | 0 | 0 | 1 | 2 | 1 |
| | 1 | 6 | 8 | 6 | 7 | 1 | 6 | 11 | 8 |
| <i>Rhaphoneis ampiceros</i> | 1 | 3 | 0 | 1 | 9 | 5 | 2 | 1 | 3 |
| | 0 | 2 | 2 | 1 | 0 | 3 | 2 | 0 | 1 |
| <i>Rhaphoneis nitida</i> | 0 | 0 | 3 | 1 | 4 | 2 | 2 | 0 | 1 |
| | 1 | 0 | 0 | 2 | 2 | 2 | 0 | 1 | 2 |
| <i>Nitzschia punctata</i> | 1 | 9 | 8 | 2 | 2 | 2 | 5 | 13 | 17 |
| | 15 | 31 | 22 | 17 | 17 | 42 | 26 | 13 | 23 |
| <i>Scoliopleura tumida</i> | 8 | 35 | 35 | 28 | 1 | 18 | 12 | 4 | 0 |
| | 1 | 3 | 0 | 3 | 9 | 8 | 8 | 4 | 10 |
| <i>Surirella ovalis</i> | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Caloneis fasciata</i> | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | |
|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| Diploneis interrupta | 3 | 4 | 5 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gyrosigma balticum | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 1 | 1 | 7 | 0 | 0 | 0 |
| Navicula digito-radiata | 5 | 3 | 4 | 8 | 2 | 0 | 0 | 10 | 10 |
| | 4 | 32 | 4 | 4 | 1 | 3 | 1 | 0 | 3 |
| Navicula peregrina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia navicularis | 0 | 56 | 23 | 41 | 31 | 59 | 109 | 130 | 101 |
| | 61 | 50 | 66 | 80 | 84 | 86 | 85 | 92 | 86 |
| Rhopalodia gibberula | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Surirella striatula | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 5 | 1 | 0 | 5 | 3 | 0 | 3 | 1 |
| Nitzschia hungarica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia dubia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cymbella aspera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diploneis ovalis | 5 | 8 | 13 | 9 | 0 | 4 | 3 | 16 | 10 |
| | 4 | 2 | 4 | 2 | 2 | 2 | 0 | 1 | 6 |
| Epithemis turgida | 9 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 7 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 |
| Gomphonema acuminatum | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gyrosigma acuminatum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Navicula pusilla | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pinularia viridis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Synedra capita | 0 | 1 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 50 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nitzschia linearis | 0 | 0 | 1 | 9 | 1 | 9 | 0 | 0 | 0 |
| | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stauroneis anceps | 0 | 1 | 3 | 0 | 1 | 0 | 1 | 6 | 1 |
| | 1 | 5 | 1 | 1 | 3 | 2 | 0 | 0 | 0 |

237 241 249

| | | | |
|--------------------------|---|----|----|
| Aulacodiscus argus | 0 | 0 | 0 |
| Auliscus sculptus | 0 | 0 | 0 |
| Biddulphia alternans | 0 | 0 | 0 |
| Coscinodiscus perforatus | 0 | 0 | 1 |
| Diploneis bombus | 0 | 4 | 0 |
| Diploneis incurvata | 0 | 0 | 0 |
| Nitzschia granulata | 0 | 4 | 6 |
| Nitzschia panduriformis | 0 | 0 | 0 |
| Nitzschia socialis | 0 | 3 | 0 |
| Paralia sulcata | 1 | 37 | 28 |

| | | | |
|--------------------------------|---|----|-----|
| <i>Podosira stelliga</i> | 2 | 1 | 1 |
| <i>Surirella fatuosa</i> | 0 | 0 | 0 |
| <i>Trachyneis aspera</i> | 1 | 0 | 0 |
| <i>Actinoptychus undulatus</i> | 3 | 2 | 1 |
| <i>Diploneis didyma</i> | 2 | 11 | 35 |
| <i>Diploneis smithii</i> | 0 | 5 | 1 |
| <i>Navicula marina</i> | 4 | 2 | 5 |
| <i>Rhaphoneis amphicerus</i> | 3 | 6 | 2 |
| <i>Rhaphoneis nitida</i> | 2 | 1 | 1 |
| <i>Nitzschia punctata</i> | 5 | 5 | 15 |
| <i>Scoliopleura tumida</i> | 7 | 63 | 15 |
| <i>Surirella ovalis</i> | 0 | 0 | 0 |
| <i>Caloneis fasciata</i> | 0 | 2 | 0 |
| <i>Diploneis interrupta</i> | 0 | 0 | 0 |
| <i>Gyrosigma balticum</i> | 0 | 0 | 0 |
| <i>Navicula digito-radiata</i> | 0 | 0 | 0 |
| <i>Navicula peregrina</i> | 5 | 26 | 7 |
| <i>Nitzschia navicularis</i> | 0 | 33 | 105 |
| <i>Rhopalodia gibberula</i> | 0 | 5 | 1 |
| <i>Surirella striatula</i> | 0 | 1 | 2 |
| <i>Nitzschia hungarica</i> | 0 | 1 | 0 |
| <i>Nitzschia dubia</i> | 0 | 0 | 1 |
| <i>Cymbella aspera</i> | 0 | 0 | 0 |
| <i>Diploneis ovalis</i> | 3 | 2 | 1 |
| <i>Epithemis turgida</i> | 0 | 0 | 0 |
| <i>Gomphonema acuminatum</i> | 0 | 0 | 0 |
| <i>Gyrosigma acuminatum</i> | 0 | 0 | 0 |
| <i>Navicula pusilla</i> | 0 | 0 | 0 |
| <i>Pinularia viridis</i> | 0 | 0 | 0 |
| <i>Synedra capita</i> | 0 | 0 | 0 |
| <i>Nitzschia linearis</i> | 0 | 0 | 0 |
| <i>Stauroneis anceps</i> | 0 | 6 | 0 |

Appendix 4 Elemental Data.A4.1. Elemental composition of bulk samples, H-2(a)

All values mg/100g soil equivalent.

| | 890.0 916.0 | 892.0 920.0 | 895.0 924.0 | 900.0 | 906.0 | 912.0 |
|-----------|----------------|----------------|----------------|--------------|--------------|--------------|
| Ca wash | 2269.7 | 2231.1 | 1236.8 | 2134.8 | 1872.4 | 1861.9 |
| | 1879.4 | 2568.7 | 1807.6 | | | |
| Ca digest | 11792.8 | 9302.3 | 5406.4 | 6329.6 | 7636.0 | 8125.0 |
| | 7552.5 | 7938.1 | 9388.5 | | | |
| Mg wash | 273.0 | 248.6 | 177.6 | 147.0 | 157.9 | 170.1 |
| | 146.9 | 142.6 | 114.2 | | | |
| Mg digest | 95.4 | 149.7 | 280.9 | 268.7 | 286.6 | 286.3 |
| | 284.1 | 318.7 | 322.8 | | | |
| Na wash | 536.2 | 436.0 | 288.9 | 322.1 | 365.1 | 431.7 |
| | 317.3 | 287.8 | 261.7 | | | |
| Na digest | 139.8 | 135.2 | 78.6 | 100.2 | 91.0 | 142.4 |
| | 87.4 | 77.3 | 88.1 | | | |
| Fe wash | 4.9 | 1.5 | 2.7 | 4.7 | 4.2 | 4.4 |
| | 0.9 | 0.0 | 0.0 | | | |
| Fe digest | 1587.2 | 780.5 | 2491.2 | 1816.5 | 2133.9 | 1584.3 |
| | 1573.4 | 2182.1 | 1446.0 | | | |
| | 862.0 | 866.0 | 871.0 | 875.0 | 879.0 | 881.0 |
| | 883.0 | 884.0 | 886.0 | 887.0 | 889.0 | |
| Ca wash | 1489.6 | 1437.8 | 1336.5 | 2183.2 | 1519.5 | 1149.5 |
| | 1026.9 | 1471.0 | 1491.2 | 1594.1 | 2240.2 | |
| Ca digest | 6198.1 | 7355.6 | 6493.6 | 5450.3 | 4708.2 | 3014.4 |
| | 115.4 | 13670.0 | 18062.5 | 14848.2 | 11894.5 | |
| Mg wash | 151.0 | 136.7 | 140.4 | 113.3 | 147.9 | 169.9 |
| | 421.8 | 197.0 | 107.5 | 158.9 | 302.7 | |
| Mg digest | 271.6 | 291.1 | 248.1 | 215.8 | 248.1 | 271.5 |
| | 143.6 | 149.0 | 132.5 | 49.6 | 82.0 | |
| Na wash | 311.5 | 283.3 | 362.8 | 282.6 | 334.6 | 436.6 |
| | 739.7 | 394.0 | 293.8 | 327.9 | 650.4 | |
| Na digest | 83.1 | 106.7 | 62.2 | 138.2 | 75.9 | 143.5 |
| | 128.2 | 92.0 | 143.8 | 108.3 | 168.0 | |
| Fe wash | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 |
| | 12.8 | 0.0 | 12.5 | 0.0 | 7.8 | |
| Fe digest | 1301.9 | 1811.1 | 3038.5 | 1801.2 | 2179.0 | 1854.1 |
| | 884.6 | 399.0 | 208.8 | 389.7 | 945.3 | |

| | | | | | | |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 841.0 | 844.0 | 846.0 | 850.0 | 852.0 | 854.0 |
| | 855.0 | 857.0 | 859.0 | 860.0 | 860.0 | |
| Ca wash | 120.9 | 1723.5 | 2478.8 | 2024.7 | 1873.7 | 1654.6 |
| | 1571.9 | 1564.5 | 2268.1 | 1343.4 | 1677.3 | |
| Ca digest | 12.5 | 430.5 | 360.2 | 277.8 | 421.0 | 454.5 |
| | 376.7 | 1411.3 | 8734.9 | 2105.3 | 4352.6 | |
| Mg wash | 42.2 | 551.8 | 678.0 | 1024.7 | 710.5 | 727.3 |
| | 662.7 | 497.3 | 292.2 | 244.7 | 136.4 | |
| Mg digest | 1.4 | 51.3 | 14.8 | 37.0 | 31.6 | 63.6 |
| | 44.5 | 86.0 | 117.5 | 175.0 | 276.9 | |
| Na wash | 65.9 | 829.5 | 951.3 | 1185.2 | 1081.6 | 988.6 |
| | 969.2 | 885.8 | 879.5 | 522.4 | 327.7 | |
| Na digest | 12.3 | 135.8 | 184.3 | 311.7 | 263.2 | 200.0 |
| | 142.1 | 118.3 | 307.2 | 123.7 | 98.6 | |
| Fe wash | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | |
| Fe digest | 39.0 | 620.9 | 565.7 | 604.9 | 550.0 | 631.8 |
| | 594.2 | 1672.0 | 2018.1 | 5263.2 | 1573.7 | |
| | 769.0 | 773.0 | 778.0 | 781.0 | 787.0 | 788.0 |
| | 797.0 | 802.0 | 806.0 | 810.0 | 827.0 | |
| Ca wash | 2603.1 | 1730.1 | 2114.5 | 1758.0 | 1251.4 | 1103.8 |
| | 328.9 | 1469.4 | 719.4 | 677.3 | 1792.4 | |
| Ca digest | 614.1 | 1279.3 | 761.0 | 964.6 | 560.3 | 483.6 |
| | 677.8 | 510.2 | 755.1 | 775.2 | 2333.3 | |
| Mg wash | 950.0 | 757.3 | 881.0 | 739.7 | 609.2 | 557.7 |
| | 202.2 | 627.5 | 389.8 | 375.0 | 448.5 | |
| Mg digest | 50.0 | 228.0 | 108.1 | 191.8 | 126.4 | 102.9 |
| | 281.1 | 81.6 | 253.1 | 283.9 | 42.4 | |
| Na wash | 965.6 | 988.5 | 981.7 | 974.9 | 1102.0 | 835.6 |
| | 770.0 | 1234.7 | 961.2 | 778.1 | 775.8 | |
| Na digest | 120.3 | 47.1 | 87.0 | 85.6 | 73.3 | 79.8 |
| | 137.8 | 127.6 | 81.6 | 97.9 | 130.3 | |
| Fe wash | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Fe digest | 485.9 | 157.9 | 234.4 | 268.3 | 196.8 | 84.6 |
| | 97.8 | 433.7 | 70.4 | 79.5 | 331.8 | |

| | | | | | | |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 748.0 | 752.0 | 753.0 | 754.0 | 756.0 | 759.0 |
| | 760.0 | 761.0 | 763.0 | 764.0 | 766.0 | |
| Ca wash | 2537.7 | 1702.9 | 1355.6 | 1407.1 | 939.5 | 1064.4 |
| | 1005.7 | 1871.9 | 2111.1 | 2309.2 | 2657.2 | |
| Ca digest | 5766.3 | 4417.0 | 1822.2 | 628.6 | 1290.8 | 479.0 |
| | 484.8 | 896.9 | 817.8 | 609.2 | 751.1 | |
| Mg wash | 163.3 | 187.2 | 256.2 | 261.4 | 228.8 | 348.8 |
| | 387.8 | 773.4 | 896.7 | 969.4 | 1031.7 | |
| Mg digest | 311.6 | 352.0 | 336.3 | 355.7 | 346.7 | 205.1 |
| | 211.0 | 167.2 | 92.2 | 46.9 | 55.7 | |
| Na wash | 395.7 | 456.3 | 493.8 | 491.4 | 563.7 | 576.3 |
| | 597.0 | 995.3 | 981.1 | 866.3 | 914.8 | |
| Na digest | 94.2 | 102.0 | 107.4 | 288.6 | 174.8 | 151.2 |
| | 102.7 | 150.0 | 90.0 | 89.8 | 111.3 | |
| Fe wash | 0.0 | 11.2 | 0.0 | 14.3 | 0.0 | 0.0 |
| | 0.0 | 15.6 | 0.0 | 0.0 | 0.0 | |
| Fe digest | 3006.3 | 1817.3 | 2217.4 | 2482.9 | 2094.8 | 7125.8 |
| | 3005.7 | 1278.1 | 283.3 | 226.5 | 311.1 | |
| | 465.0 | 467.0 | 469.0 | 471.0 | 475.0 | 480.0 |
| | 484.0 | 487.0 | 488.0 | 489.0 | 493.0 | 496.0 |
| Ca wash | 1460.4 | 1474.2 | 1700.5 | 3155.8 | 1902.2 | 1695.9 |
| | 1763.6 | 1734.2 | 1950.0 | 1862.3 | 2298.9 | 2022.7 |
| Ca digest | 32036.1 | 31211.7 | 29191.0 | 23958.5 | 15145.8 | 2623.5 |
| | 5786.4 | 6709.3 | 5212.5 | 5708.5 | 5450.2 | 6522.7 |
| Mg wash | 75.7 | 84.5 | 90.8 | 569.1 | 305.2 | 398.0 |
| | 361.4 | 349.5 | 207.5 | 176.1 | 140.8 | 138.6 |
| Mg digest | 75.7 | 63.2 | 60.1 | 46.5 | 52.5 | 112.2 |
| | 156.8 | 157.2 | 305.0 | 364.4 | 296.9 | 348.9 |
| Na wash | 157.6 | 151.2 | 145.1 | 530.2 | 330.6 | 491.8 |
| | 390.9 | 365.4 | 338.8 | 294.5 | 259.6 | 323.9 |
| Na digest | 42.2 | 47.2 | 30.7 | 105.5 | 62.5 | 48.0 |
| | 40.9 | 61.1 | 100.0 | 168.0 | 74.7 | 182.9 |
| Fe wash | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 0.0 |
| Fe digest | 405.8 | 457.3 | 608.5 | 1173.4 | 1010.9 | 1893.9 |
| | 1411.4 | 1147.1 | 887.5 | 1417.0 | 1499.0 | 1448.9 |

| | | | | | | |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 411.0 | 421.0 | 428.0 | 445.0 | 448.0 | 449.0 |
| | 450.0 | 453.0 | 456.0 | 459.0 | 461.0 | |
| Ca wash | 2792.1 | 3914.8 | 3703.4 | 3200.2 | 1852.3 | 2123.2 |
| | 1918.2 | 2160.5 | 1825.4 | 1595.4 | 2187.5 | |
| Ca digest | 411.5 | 1101.7 | 486.8 | 3625.0 | 27613.9 | 16696.9 |
| | 21502.2 | 23705.9 | 26460.6 | 29295.4 | 25273.2 | |
| Mg wash | 772.5 | 1195.1 | 990.9 | 156.2 | 470.6 | 239.1 |
| | 190.6 | 172.8 | 190.3 | 88.0 | 89.3 | |
| Mg digest | 40.7 | 86.5 | 42.5 | 33.6 | 57.8 | 41.1 |
| | 46.0 | 42.9 | 46.2 | 51.8 | 58.9 | |
| Na wash | 508.4 | 609.9 | 448.4 | 423.6 | 208.2 | 299.5 |
| | 182.7 | 284.3 | 162.2 | 182.4 | 262.5 | |
| Na digest | 111.0 | 116.8 | 63.8 | 83.3 | 65.8 | 45.9 |
| | 77.3 | 96.8 | 136.3 | 56.5 | 103.6 | |
| Fe wash | 0.0 | 0.0 | 11.1 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Fe digest | 707.9 | 1325.6 | 789.5 | 1226.8 | 526.7 | 1161.8 |
| | 660.3 | 443.6 | 236.5 | 264.8 | 2667.9 | |
| | 309.0 | 316.0 | 324.0 | 370.0 | 372.0 | 375.0 |
| | 377.0 | 390.0 | 397.0 | 404.0 | 408.0 | |
| Ca wash | 1128.2 | 1065.1 | 1179.2 | 2853.5 | 2923.6 | 2551.6 |
| | 3300.8 | 3078.1 | 2837.4 | 2381.5 | 1519.6 | |
| Ca digest | 123.6 | 852.7 | 1149.0 | 749.0 | 688.5 | 837.3 |
| | 906.6 | 1156.1 | 563.9 | 784.9 | 474.3 | |
| Mg wash | 328.4 | 318.4 | 327.1 | 725.6 | 690.5 | 674.6 |
| | 869.5 | 817.1 | 801.7 | 708.2 | 483.5 | |
| Mg digest | 312.7 | 198.7 | 249.0 | 49.8 | 46.6 | 81.3 |
| | 60.4 | 75.6 | 53.6 | 85.7 | 47.3 | |
| Na wash | 305.4 | 360.9 | 228.1 | 371.1 | 333.3 | 379.0 |
| | 479.4 | 370.7 | 428.6 | 449.2 | 341.6 | |
| Na digest | 96.9 | 108.7 | 179.2 | 79.1 | 75.4 | 58.5 |
| | 90.7 | 93.9 | 60.2 | 73.7 | 97.7 | |
| Fe wash | 5.5 | 8.8 | 5.2 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 19.7 | 0.0 | 0.0 | |
| Fe digest | 3920.7 | 4751.7 | 1887.5 | 301.8 | 1102.2 | 541.7 |
| | 324.2 | 726.8 | 441.7 | 481.1 | 667.7 | |

| | 232.0 | 236.0 | 240.0 | 244.0 | 253.0 | 261.0 |
|-----------|--------|--------|--------|--------|--------|--------|
| | 272.0 | 279.0 | 283.0 | 291.0 | 306.0 | |
| Ca wash | 1006.7 | 827.1 | 1180.2 | 1100.5 | 925.2 | 1453.8 |
| | 1271.7 | 1068.1 | 778.2 | 922.2 | 531.0 | |
| Ca digest | 600.0 | 978.2 | 578.1 | 848.8 | 677.2 | 842.3 |
| | 601.8 | 175.2 | 306.4 | 128.2 | 144.1 | |
| Mg wash | 65.8 | 53.7 | 89.6 | 93.8 | 104.3 | 219.2 |
| | 225.3 | 221.0 | 171.9 | 217.0 | 152.9 | |
| Mg digest | 123.9 | 144.9 | 190.6 | 150.3 | 238.2 | 438.5 |
| | 245.1 | 277.9 | 361.5 | 296.7 | 383.8 | |
| Na wash | 218.8 | 181.5 | 256.2 | 179.1 | 200.8 | 630.8 |
| | 236.2 | 210.9 | 180.3 | 212.4 | 160.8 | |
| Na digest | 102.7 | 95.0 | 125.0 | 122.5 | 134.8 | 373.1 |
| | 98.8 | 140.6 | 99.0 | 111.7 | 71.7 | |
| Fe wash | 0.0 | 0.0 | 0.0 | 1.7 | 2.0 | 0.0 |
| | 0.0 | 2.2 | 0.9 | 0.0 | 0.0 | |
| Fe digest | 538.0 | 856.7 | 1896.9 | 2491.6 | 2401.6 | 2311.5 |
| | 1168.0 | 2233.3 | 1856.3 | 1639.2 | 1958.6 | |

A4.2. Elemental Composition of Phragmites, H-2(a).

All values mg/100g soil equivalent.

| | 750.0 | 760.0 | 761.0 | 764.0 | 766.0 | 769.0 |
|-----------|---------|--------|-------|-------|--------|-------|
| | 778.0 | 788.0 | 791.0 | 797.0 | | |
| Ca wash | 1471.8 | 745.1 | 324.7 | 736.5 | 411.6 | 321.4 |
| | 537.7 | 188.2 | 112.5 | 102.2 | | |
| Ca digest | 1612.9 | 2382.8 | 269.7 | 678.7 | 441.0 | 438.3 |
| | 295.6 | 319.7 | 304.5 | 326.1 | | |
| Mg wash | 362.9 | 247.1 | 146.3 | 363.7 | 191.1 | 158.0 |
| | 270.8 | 125.5 | 71.6 | 73.9 | | |
| Mg digest | 235.9 | 210.9 | 100.6 | 194.0 | 172.5 | 155.8 |
| | 95.2 | 167.3 | 178.4 | 194.6 | | |
| Na wash | 991.9 | 569.3 | 513.5 | 792.4 | 609.2 | 516.2 |
| | 872.0 | 809.8 | 602.3 | 719.6 | | |
| Na digest | 316.5 | 135.7 | 197.1 | 92.1 | 115.7 | 200.2 |
| | 69.4 | 179.3 | 215.9 | 244.6 | | |
| Fe wash | 20.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 10.9 | | |
| Fe digest | 12701.6 | 2103.5 | 407.7 | 458.5 | 1387.6 | 378.8 |
| | 84.3 | 63.8 | 107.9 | 263.0 | | |

| | | | | | | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 475.0 | 480.0 | 484.0 | 488.0 | 493.0 | 496.0 |
| Ca wash | 852.3 | 220.8 | 243.6 | 103.2 | 278.6 | 87.7 |
| (mg/10g soil) | | | | | | |
| Ca digest | 1757.0 | 1590.0 | 1313.0 | 972.0 | 1405.0 | 726.0 |
| Mg wash | 362.2 | 303.0 | 269.7 | 281.8 | 221.4 | 227.8 |
| Mg digest | 56.1 | 87.0 | 108.4 | 103.2 | 218.9 | 138.1 |
| Na wash | 542.7 | 423.9 | 467.7 | 621.0 | 400.5 | 453.6 |
| Na digest | 62.2 | 114.1 | 69.0 | 345.2 | 235.1 | 68.6 |
| Fe wash | 0.0 | 0.0 | 0.0 | 0.0 | 12.4 | 0.0 |
| Fe digest | 1493.9 | 1486.4 | 1736.6 | 5198.4 | 7450.2 | 8225.8 |
| | 444.0 | 445.0 | 448.0 | 449.0 | 450.0 | 453.0 |
| | 456.0 | 459.0 | 461.0 | 469.0 | 471.0 | |
| Ca wash | 61.8 | 617.5 | 921.7 | 790.8 | 386.3 | 551.5 |
| (mg/10g soil) | 698.2 | 1478.2 | 2527.3 | 1453.4 | 316.8 | |
| Ca digest | 1275.0 | 2350.0 | 2142.0 | 1653.0 | 1708.0 | 1393.0 |
| | 1670.0 | 1597.0 | 2188.0 | 1819.0 | 1714.0 | |
| Mg wash | 337.5 | 415.0 | 299.0 | 247.1 | 272.6 | 229.4 |
| | 252.1 | 194.3 | 89.3 | 211.5 | 248.0 | |
| Mg digest | 27.5 | 25.0 | 30.6 | 91.2 | 17.4 | 105.8 |
| | 42.4 | 56.6 | 58.9 | 34.8 | 46.0 | |
| Na wash | 335.0 | 595.0 | 316.2 | 279.5 | 427.1 | 381.9 |
| | 488.6 | 342.8 | 262.5 | 236.8 | 468.0 | |
| Na digest | 137.5 | 290.0 | 49.0 | 48.5 | 53.8 | 45.3 |
| | 80.6 | 87.9 | 103.6 | 59.2 | 108.0 | |
| Fe wash | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Fe digest | 535.0 | 1955.0 | 1277.0 | 2203.4 | 1435.8 | 2082.4 |
| | 549.6 | 1038.1 | 2667.9 | 3421.1 | 3804.0 | |
| | 309.0 | 316.0 | 324.0 | 372.0 | 375.0 | 377.0 |
| | 390.0 | 399.0 | 404.0 | 411.0 | 428.0 | |
| Ca wash | 29.1 | 71.7 | 47.9 | 56.5 | 79.1 | 29.5 |
| (mg/10g soil) | 38.9 | 30.9 | 74.1 | 39.8 | 59.0 | |
| Ca digest | 470.0 | 840.0 | 475.0 | 516.0 | 1504.0 | 325.0 |
| | 858.0 | 764.0 | 466.0 | 1258.0 | 1096.0 | |
| Mg wash | 145.0 | 227.2 | 150.8 | 169.4 | 429.1 | 108.2 |
| | 287.6 | 260.4 | 162.5 | 410.7 | 329.9 | |
| Mg digest | 110.0 | 155.4 | 136.4 | 137.1 | 115.7 | 82.1 |
| | 96.5 | 72.9 | 207.1 | 60.7 | 177.5 | |
| Na wash | 235.0 | 402.2 | 263.4 | 1096.8 | 626.9 | 326.5 |
| | 420.9 | 576.4 | 437.5 | 301.2 | 367.1 | |
| Na digest | 94.0 | 120.7 | 113.6 | 451.6 | 242.5 | 119.4 |
| | 75.3 | 194.4 | 126.8 | 96.4 | 85.5 | |
| Fe wash | 0.0 | 5.4 | 16.5 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 12.5 | 0.0 | 0.0 | |
| Fe digest | 12960.0 | 6673.9 | 8822.3 | 161.3 | 421.6 | 11641.8 |
| | 1120.7 | 1961.8 | 1462.5 | 1284.5 | 238.9 | |

| | | | | | | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 232.0 | 236.0 | 240.0 | 244.0 | 253.0 | 261.0 |
| | 272.0 | 279.0 | 283.0 | 291.0 | 306.0 | |
| Ca wash | 49.4 | 55.0 | 40.3 | 35.9 | 46.9 | 37.8 |
| (mg/10g soil) | 51.3 | 42.2 | 41.7 | 32.5 | 33.3 | |
| Ca digest | 552.0 | 566.0 | 844.0 | 542.0 | 320.0 | 853.0 |
| | 597.0 | 731.0 | 422.0 | 401.0 | 964.0 | |
| Mg wash | 43.8 | 44.5 | 69.8 | 62.5 | 39.7 | 191.2 |
| | 120.1 | 161.4 | 111.1 | 102.9 | 279.0 | |
| Mg digest | 36.1 | 44.5 | 57.2 | 59.9 | 67.6 | 63.0 |
| | 102.6 | 185.3 | 125.8 | 111.1 | 134.1 | |
| Na wash | 126.3 | 139.4 | 212.2 | 205.5 | 99.8 | 121.8 |
| | 182.3 | 203.2 | 295.8 | 226.3 | 583.3 | |
| Na digest | 130.1 | 120.2 | 130.8 | 205.7 | 113.7 | 147.1 |
| | 131.0 | 80.7 | 152.0 | 128.6 | 304.4 | |
| Fe wash | 0.0 | 1.2 | 1.0 | 0.0 | 0.0 | 1.0 |
| | 1.1 | 1.0 | 0.0 | 22.6 | 0.0 | |
| Fe digest | 295.1 | 425.5 | 780.0 | 950.5 | 929.2 | 647.1 |
| | 2004.4 | 2629.5 | 8807.2 | 18353.9 | 1971.0 | |

Appendix 5 Laboratory Techniques.

A5.1. Laboratory technique for pollen analysis.

1. Measure 0.5 cc of sediment by displacement of water in a 5 cc. Grade A measuring cylinder.
2. Add cold 10% KOH and stir. Heat in boiling water 30mins, stir occasionally. Decant through sieve (mesh 180 microns) and wash residue in distilled water. Centrifuge, decant and wash until supernatant liquid is unstained.
3. Add glacial acetic acid, stir and centrifuge. Decant and add acetylation solution (1:9 conc. H₂ SO₄: Acetic anhydride). Heat in boiling water 1 minute, stir and top up with glacial acetic acid. Centrifuge and decant.
4. Add glacial acetic acid, stir and centrifuge. Decant, add distilled water, stir, centrifuge and decant X2.
5. Stain by adding Tertiary Butyl Alcohol and 2 drops of safranin solution. Centrifuge and decant. Add 1 cc. of Tertiary Butyl Alcohol, transfer to vial, centrifuge and decant. Add silicone fluid and leave c. 12 hours.

A5.2. Laboratory technique for diatom analysis.

1. Extract 1 cc. sediment and transfer to beaker. Add 30% H₂O₂.
2. Heat gently for c. 6 hours. Add distilled water as necessary.
3. Mount by pipetting the diatom+water mixture onto cover slip placed on a hotplate. Evaporate slowly. Add NAPHRAX solution to microscope slide and invert the diatom coverslip onto slide. Heat gently to liquify NAPHRAX, cool and allow to set.

APPENDIX 6.

Key to Lithostratigraphic Symbols used by STRAT for the presentation of lithostratigraphic data.



| | |
|----------------|--|
| Sc | |
| Th | |
| Dh | |
| Ld | |
| Ag | |
| Gs | |
| Test. (mol.L.) | |

| | |
|-------------------|--|
| Sh | |
| Th (Phrag.) | |
| DL | |
| As | |
| Ga | |
| Gg | |
| Component Missing | |

KEY TO STRATIGRAPHIC SYMBOLS USED