Anderby Creek, Lincolnshire

Record ID 365

Authors

Clapham, A.

Year

1999

Location description

Deposit location

TF 552 758

Deposit description

Lower peat bed exposure. Tree stumps and trunks (dominated oak, but also alder, ash, willow/poplar present).

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Field survey and one section sampled by monolith.

Depth of deposit

14C ages available

Yes

Notes

Angle of trunk fall is mostly NE. Wood and plant macrofossil IDs carried out.

Subsite details

ID 279

Location

[Unclear].

Depth

Clayey peat at surface (from 0-13.5 cm depth).

Description

Monolith section (49 cm long) taken from a low-lying cliff. 7 cm of clayey peat, on 6.5 cm more clayey peat, on 3.5 cm gradation layer between clayey peat and clay (below), on 24.5 cm blue-grey clay, on 7.5 cm clay. (Pages 84-86).

14C details

ID 527 **Laboratory code** OxA-5963

Sample location	Depth of sample	Dated sample description
	Stump 32, Quercus wood.	

Age (uncal)	Age (cal)	Delta 13C
4480 ± 55		

Notes

[Page 68].

ID 528 **Laboratory code** OxA-5964

Sample location	Depth of sample	Dated sample description
	Stump 34, Quercus wood	

Age (uncal)	Age (cal)	Delta 13C
4625 ± 55		

Notes

[Page 68].

Bibliographic reference

Clapham, A. 1999 'The characterisation of two mid-Holocene submerged forests', Unpublished PhD, Liverpool John Moores University.

Barton-upon-Humber, Lincolnshire

Record ID 87

Authors
Environment Agency

Year
2000

Location description

Deposit location
[c. TA 032 238]

Deposit description
Extensive submerged Neolithic forest.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available
No

Notes

Bibliographic reference

Environment Agency 2000 'Planning for the rising tides. The Humber Estuary shoreline management plan', Environment Agency.

Boston, Lincolnshire

Record ID 89

Authors

Robinson, D.

Year

1984

Location description

Boston Dock

Deposit location

[c. TF 3318 4310 - from modern map].

Deposit description

Peat layer with hard and black timbers within. Also found beech bark.

Deposit stratigraphy

Associated artefacts

Early work

First identified 1882-1884 during dock excavations.

Sample method

Depth of deposit

20 ft below the surface.

14C ages available

No

Notes

[This is mentioning previous work - possibly Wheeler (1896)].

Bibliographic reference

Robinson, D. 1984 'The buried forest of Lincolnshire' in 'A prospect of Lincolnshire', (ed.s) Field, N. and White, A., 6-10, Lincoln.

Chapel Point, Lincolnshire

Record ID 107

Authors

Swinnerton, H.

Year

1931

Location description

Deposit location

Deposit description

Two coastal peat beds: lower forest bed (with oak stools) on boulder clay and upper fen-wood peat. Separated by 6 ft [1.83 m] thick clay layer.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

From -8 to -7 ft OD [-2.44 to -2.13 m OD].

14C ages available

No

Notes

Bibliographic reference

Swinnerton, H. 1931 'The post-glacial deposits of the Lincolnshire coasts', Quarterly Journal of the Geological Society, 87, 360-375.

Chapel Point, Lincolnshire

Record ID 108

Authors
Wright, E. and Churchill, D.

Year
1965

Location description

Deposit location

Deposit description
Saltmarsh sequence of Swinnerton (1931) was dated - lower wood/peat to saltmarsh clay to Phragmites upper peat

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available
Yes

Notes
Sequence took only 700 years (based on 14C dating)

14C details

ID 285

Laboratory code Q-686

Sample location

Depth of sample
c. 0 m OD

Dated sample description
Upper Peat.

Age (uncal)

Age (cal)
1390 BC

Delta 13C

Notes

ID 286 **Laboratory code** Q-685

Sample location	Depth of sample	Dated sample description
	c. -6 m OD	Lower Peat.

Age (uncal)	Age (cal)	Delta 13C
	2009 BC	

Notes

ID 331 **Laboratory code** Q-687

Sample location	Depth of sample	Dated sample description
	+0.40 m OD	Scrobularia plana

Age (uncal)	Age (cal)	Delta 13C
2630 ± 110		

Notes

Bibliographic reference

Wright, E. and Churchill, D. 1965 'Middle Bronze Age boats from the Humber estuary at North Ferriby', Proceedings of the Prehistoric Society, 31, 1-24.

Chapel Point, Lincolnshire

Record ID 109

Authors
Godwin, H. and Willis, E.

Year
1964

Location description

Deposit location

Deposit description
Saltmarsh peat containing Salix and Taxus wood, on Phragmites clay, on basal peat

Deposit stratigraphy

Associated artefacts
Upper peat contains remains of salt-making industry (start of Iron Age)

Early work

Sample method

Depth of deposit

14C ages available
Yes

Notes
Swinnerton, in Godwin and Willis (1964)

14C details

ID 54 **Laboratory code** Q-686

Sample location	Depth of sample	Dated sample description
53 deg 14' N Lat, 0 deg 21' E Long [TF 56830 73308 converted]	c. 0 ft OD (+0.15 m OD) [??]	Base of upper peat, at contact with underlyingclay

Age (uncal)	Age (cal)	Delta 13C
3340 ± 110	1390 BC	

Notes

Bibliographic reference
Godwin, H. and Willis, E. 1964 'Cambridge University natural radiocarbon measurements VI', Radiocarbon, 6, 116-137.

Chapel Point, Lincolnshire

Record ID 110

Authors
Godwin, H. and Switzur, V.

Year
1966

Location description

Deposit location
53 deg 14' N Lat, 0 deg 20' 30'' E Long [TF 56274 73290 converted]

Deposit description

Deposit stratigraphy

Associated artefacts
Neolithic implements, probably contemporaneous with Lower Peat

Early work

Sample method

Depth of deposit

14C ages available
Yes

Notes
Work by D. Churchill, Oct 1961. Appears not to be same Upper Peat as at Ingoldmells (dated 2,455±110 Q-81)

14C details

ID 55 **Laboratory code** Q-686

Sample location
deg 20' 30'' E Long [TF 56274 73290 converted]

Depth of sample
c. 0 ft OD (+0.15 m OD)

Dated sample description
Base of Upper Phragmites Peat??]

Age (uncal)
3340 ± 110

Age (cal)
c.1400 BC

Delta 13C

Notes

ID 56 **Laboratory code** Q-844

Sample location	Depth of sample	Dated sample description
53 deg 14' N Lat, 0 deg 20' 30'' E Long TF 56274 73290 converted]	+5 ft OD (+0.12 m OD) [??]	Top of Upper Peat (Phragmites clay)

Age (uncal)	Age (cal)	Delta 13C
2815 ± 100		

Notes

ID 57 **Laboratory code** Q-685

Sample location	Depth of sample	Dated sample description
53 deg 14' N Lat, 0 deg 20' 30'' E Long [TF 56274 73290 converted]	-6 ft OD [-1.83 m OD] overlying saltmarsh clay)	Top of Lower Peat (contact with

Age (uncal)	Age (cal)	Delta 13C
3943 ± 100	c. 2000 BC	

Notes

Neolithic implements, probably contemporaneous

Bibliographic reference

Godwin, H. and Switzur, V. 1966 'Cambridge University Natural Radiocarbon Measurements VIII', Radiocarbon, 8, 390-400.

Chapel Six Marshes, Lincolnshire

Record ID 116

Authors

Clarke, M. and Rendell, H.

Year

2000

Location description

Deposit location

TF 560 743

Deposit description

Stratigraphy as at Wolla Bank [detailed in Record 115] i.e. Mid-Holocene and Iron Age peat layers.

Deposit stratigraphy

Associated artefacts

Early work

Sampled 1996.

Sample method

Depth of deposit

14C ages available

Yes

Notes

Exposures now buried.

Bibliographic reference

Clarke, M. and Rendell, H. 2000 'The development of a methodology for luminescence dating of Holocene sediments in the land-ocean interface' in 'Holocene land-ocean interaction and environmental change around the North Sea', (ed.s) Shennan, I. and Andrews, J., 69-85, The Geological Society Special Publication No. 166.

Chapel St Leonard's, Lincolnshire

Record ID 427

Authors
Wright, E. and Churchill, D.

Year
1965

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available
No

Notes

Bibliographic reference

Wright, E. and Churchill, D. 1965 'Middle Bronze Age boats from the Humber estuary at North Ferriby', Proceedings of the Prehistoric Society, 31, 1-24.

Cleethorpes, Lincolnshire

Record ID 86

Authors
Leahy, K.

Year
1986

Location description

Deposit location
TA 3043 0973 (axe-hammer)

Deposit description
Submerged forest; peat context pollen zone VIIb (sub-Boreal)

Deposit stratigraphy

Associated artefacts
Stone axe-hammer partly embedded in the peat

Early work
Artefact found by Shane Johnson, 1979

Sample method
John Flenley (Hull) - pollen.

Depth of deposit

14C ages available
Yes

Notes
Axe-hammer is intrusive in older peat deposits below.

14C details

ID 35 **Laboratory code** OxA-130

Sample location

Depth of sample
Axe-hammer haft

Dated sample description

Age (uncal)
3390 ± 100 BP

Age (cal)

Delta 13C

Notes
15-40 cm depth in monolith

ID 36 **Laboratory code** OxA-131

Sample location **Depth of sample** **Dated sample description**

Axe-hammer humic acids

Age (uncal) **Age (cal)** **Delta 13C**

3330 ± 100 BP

Notes

15-40 cm depth in monolith

ID 37 **Laboratory code** OxA-132

Sample location **Depth of sample** **Dated sample description**

Tree stump from peat

Age (uncal) **Age (cal)** **Delta 13C**

4090 ± 120 BP

Notes

15-40 cm depth in monolith

Bibliographic reference

Leahy, K. 1986 'A dated stone axe-hammer from Cleethorpes, South Humberside', Proceedings of the Prehistoric Society, 52, 143-152.

Grimsby, Lincolnshire

Record ID 88

Authors
Wood, S. and Rome, J.

Year
1868

Location description

Deposit location

Deposit description
Submerged forest

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available
No

Notes
[Also Hawkshaw (1871)]

Bibliographic reference
Wood, S. and Rome, J. 1868 'On the glacial and post-glacial structure of Lincolnshire and south-east Yorkshire', Quarterly Journal of the Geological Society, 24, 146-157.

Humber Estuary, Lincolnshire

Record ID 417

Authors

Correa de Serra, J.

Year

1799

Location description

Hatfield Chase (south bank)

Deposit location

[c. SE 715 100]

Deposit description

Subterraneous stratum of decayed trees and shrubs (as of Sutton) 180,000 acres [729 km2] area. Roots in situ, trunks prostrate. Roots of aquatic plants and reeds mixed in. Soil covered.

Deposit stratigraphy

Associated artefacts

Early work

First observed by Pryme.

Sample method

Depth of deposit

Generally below low water.

14C ages available

No

Notes

Bibliographic reference

Correa de Serra, J. 1799 'On a submarine forest, on the east of England', Philosophical Transactions of the Royal Society of London, 89, 145-156.

Immingham, Lincolnshire

Record ID 208

Authors

Godwin, H. and Willis, E.

Year

1961

Location description

Deposit location

Deposit description

4" [10.16 cm] thick peat bed containing Alnus wood in situ. Overlies brackish clay (with Phragmites), on top of gravelly sand. Peat is overlain by clay to ground level

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Found during dock excavation.

Depth of deposit

c. 30 ft [9.14 m] below sea-level.

14C ages available

Yes

Notes

Peat contained wood and fruits of Phragmites and Corylus. Deposits are not shown to be part of a complete halosere. Godwin and Willis (1961) referred to in Churchill (1965). Peats are deepest in Humber Estuary (Wright and Churchill, 1965).

14C details

ID 164 **Laboratory code** Q-401

Sample location	Depth of sample	Dated sample description
	-30 ft OD [-9.14 m OD]	Alnus wood from peat bed.

Age (uncal)	Age (cal)	Delta 13C
6681 ± 130 BP	5790-5350 cal. BC (2 sigma)	

Notes

Peat is between brackish clays.

Bibliographic reference

Godwin, H. and Willis, E. 1961 'Cambridge University natural radiocarbon measurements III', Radiocarbon, 3, 60-76.

Immingham, Lincolnshire

Record ID 209

Authors
Gaunt, G. and Tooley, M.

Year
1974

Location description
Immingham Docks

Deposit location
c. TA 197 146

Deposit description
Peat bed within brackish-water sequence.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit
-9 m OD

14C ages available
Yes

Notes
Pollen showed it to be Flandrian Zones I and II.

14C details

ID 165 **Laboratory code**

Sample location
c. TA 197 146

Depth of sample
-9 m OD

Dated sample description
Alder wood

Age (uncal)
6681 ± 130 BP

Age (cal)

Delta 13C

Notes

Bibliographic reference

Gaunt, G. and Tooley, M. 1974 'Flandrian sea-level changes in the Humber Estuary and adjacent areas', Bulletin of the Geological Survey of Great Britain, 48, 25-40.

Immingham, Lincolnshire

Record ID 544

Authors

van de Noort, R. and Davies, P.

Year

1993

Location description

Deposit location

Deposit description

Rooted in boulder clay, covered by peat.
Oak, alder, birch, yew and Prunus spp.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

Bibliographic reference

van de Noort, R. and Davies, P. 1993 'Wetland heritage. An archaeological assessment of the Humber wetlands', English Heritage, London.

Ingoldmells, Lincolnshire

Record ID 105

Authors
Swinnerton, H.

Year
1932

Location description

Deposit location

Deposit description
Submerged forest exposure

Deposit stratigraphy

Associated artefacts
Iron Age salt production

Early work

Sample method

Depth of deposit

14C ages available
No

Notes

Bibliographic reference

Swinnerton, H. 1932 'The prehistoric pottery of sites of the Lincolnshire coast', Antiquaries Journal, 12, 239-253.

Ingoldmells, Lincolnshire

Record ID 106

Authors

Godwin, H. and Willis, E.

Year

1961

Location description

Deposit location

53deg 11' N Lat, 0deg 22' E Long [TF 58126 67784 converted]

Deposit description

In situ trees in upper peat exposed at foreshore

Deposit stratigraphy

Associated artefacts

Halstatt-type pottery from upper peat (early Iron Age)

Early work

Sample method

Depth of deposit

Close to mean sea-level.

14C ages available

Yes

Notes

Smith, in Godwin and Willis (1961)

14C details

ID 53 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Wood from tree

Age (uncal) **Age (cal)** **Delta 13C**

2455 ± 110

Notes

ID 287 **Laboratory code** Q-81

Sample location	Depth of sample	Dated sample description
	Wood peat overlying saltmarsh clay.	

Age (uncal)	Age (cal)	Delta 13C
	500 BC	

Notes

Referred to in Wright and Churchill (1965).

Bibliographic reference

Godwin, H. and Willis, E. 1961 'Cambridge University natural radiocarbon measurements III', Radiocarbon, 3, 60-76.

Lincolnshire coast, Lincolnshire

Record ID 268

Authors
Kent, P.

Year
1980

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available
No

Notes
Kent (1980) (Pg 126).

Subsite details

ID 47

Location

Depth
Near low tide mark.

Description
Peat and submerged forest. On till, and below soft grey clay. Indicates low sea level prior to around 4,000 years ago. Neolithic artefacts.

ID 48

Location

Depth

Between tide marks.

Description

Higher peat layer (above subsample 47) suggests later regression. Salt workings and associated Late Bronze Age and early Iron Age.

Bibliographic reference

Kent, P. 1980 'British regional Geology - eastern England from the Tees to The Wash', London: HMSO.

Mablethorpe, Lincolnshire

Record ID 267

Authors

May, J.

Year

1976

Location description

Between Mablethorpe and Skegness

Deposit location

Deposit description

Submerged forest visible at low tide - tree trunks. On Boulder Clay.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Most important exposures at Sutton on Sea and Ingoldmells.

Bibliographic reference

May, J. 1976 'Prehistoric Lincolnshire', Lincoln: History of Lincoln Committee.

off Addlethorpe, Lincolnshire

Record ID 413

Authors
Correa de Serra, J.

Year
1799

Location description

Deposit location

Deposit description
Fishermen mention submerged peat deposit.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit
Below low water.

14C ages available
No

Notes
Say similar deposits are found along the coast between Skegness and Grimsby.

Bibliographic reference
Correa de Serra, J. 1799 'On a submarine forest, on the east of England', Philosophical Transactions of the Royal Society of London, 89, 145-156.

off Mablethorpe, Lincolnshire

Record ID 414

Authors

Correa de Serra, J.

Year

1799

Location description

Deposit location

Deposit description

Fishermen mention submerged peat deposit.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Below low water.

14C ages available

No

Notes

Say similar deposits are found along the coast between Skegness and Grimsby.

Bibliographic reference

Correa de Serra, J. 1799 'On a submarine forest, on the east of England', Philosophical Transactions of the Royal Society of London, 89, 145-156.

Sutton-on-Sea, Lincolnshire

Record ID 415

Authors

Correa de Serra, J.

Year

1799

Location description

Deposit location

Deposit description

An exposed surface of moor, 30 yds [27.43 m] long and 25 [22.86 m] wide (at lowest tide). Numerous similar islets visible in the area, mostly to the east and south. Deposits along Sutton shore extend 12 miles long and 1 mile wide.

Deposit stratigraphy

Grew in soft clay covered by layer of highly decomposed leaf matter a many inches thick (Ilex aquifolium and cf.willow) plus roots of Arundo Phragmites.

Associated artefacts

Almost entirely roots, trunks, branches and leaves of trees and shrubs, with some aquatic plant leaves. Some trunks in situ, others scattered every direction. Bark and roots appeared fresh. Incl birch, fir, oak trees.

Early work

Local legend that the former parish was submerged by the sea (where islets now are) and it was visible by their ancestors at very low tide.

Sample method

Depth of deposit

Below low water.

14C ages available

No

Notes

Islets of moor situated all along the Lincolnshire coast, only visible at lowest tides of the year. Composed of decayed trees. Similar deposit found in onshore well boring at Sutton, 16ft deep and 3-4ft thick. Also found in borehole in Mablethorpe.

Bibliographic reference

Correa de Serra, J. 1799 'On a submarine forest, on the east of England', Philosophical Transactions of the Royal Society of London, 89, 145-156.

The Fens, Lincolnshire

Record ID 112

Authors
Godwin, H.

Year
1978

Location description

Deposit location

Deposit description
Coastal peat, containing long oaks

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available
No

Notes

Bibliographic reference

Godwin, H. 1978 'Fenland: its ancient past and uncertain future', Cambridge University Press, Cambridge.

Trusthorpe, Lincolnshire

Record ID 681

Authors

Stevenson, N.

Year

1923

Location description

Deposit location

[c. TF 5180 8355]

Deposit description

Submerged forest exposure, cut by wave backwash channels into small banks and ridges. Outcrop was 150 yards wide.

Deposit stratigraphy

Clay with peat capping.

Associated artefacts

Early work

Sample method

Field observation in September 1923.

Depth of deposit

14C ages available

No

Notes

[Referenced in Robinson (1984), page 7].

Bibliographic reference

Stevenson, N. 1923 'The submerged forest on the coast of Lincolnshire', Transactions of the Lincolnshire Naturalists' Union, 17, 85-98.

Union Dock, Lincolnshire

Record ID 632

Authors

Long, A., Innes, J., Kirby, J., Lloyd, J., Rutherford, M., Shennan,I. and Tooley, M.

Year

1998

Location description

On the quay, on the dock's south side.

Deposit location

TA 2735 1065

Deposit description

Two deep peats: thin basal peat; second intercalated peat within thick clay layer above.

Deposit stratigraphy

Basal peat is on stiff sandy clay with gravel and overlain by thick clay.

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

Subsite details

ID 245

Location

TA 2735 1065

Depth

8.87 to -8.79 m OD

Description

Basal peat. No diatoms, but abundant tree pollen in the peat.

ID 246

Location
TA 2735 1065

Depth
-7.68 to -7.80 m OD

Description
Thin intercalated peat. Saltmarsh origin.

14C details

ID 479 **Laboratory code** SRR-4744

Sample location
TA 2735 1065

Depth of sample
-7.68 to -7.70 m OD

Dated sample description
Top of intercalated peat.

Age (uncal)
5665 ± 45 years BP (1sigma)

Age (cal)
6542-6316 cal. years BP

Delta 13C

Notes
Dark brown amorphous peat with some Phragmites and detrital wood.

ID 480 **Laboratory code** SRR-4745

Sample location
TA 2735 1065

Depth of sample
-7.78 to -7.80 m OD

Dated sample description
Base of intercalated peat.

Age (uncal)
5900 ± 45 years BP (1sigma)

Age (cal)
6851-6639 cal. years BP

Delta 13C

Notes
Dark brown amorphous peat with some Phragmites and detrital wood.

ID 481 **Laboratory code** SRR-4746

Sample location	Depth of sample	Dated sample description
TA 2735 1065	-8.78 to -8.80 m OD	Top of basal peat.

Age (uncal)	Age (cal)	Delta 13C
6645 ± 45 years BP (1sigma)	7544-7392 cal. years BP	

Notes

Sandy amorphous peat with rootlets.

ID 482 **Laboratory code** SRR-4747

Sample location	Depth of sample	Dated sample description
TA 2735 1065	-8.91to -8.93 m OD	Base of basal peat.

Age (uncal)	Age (cal)	Delta 13C
8170 ± 45 years BP (1sigma)	9250-8981 cal. years BP	

Notes

Sandy amorphous peat with rootlets.

Bibliographic reference

Long, A., Innes, J., Kirby, J., Lloyd, J., Rutherford, M., Shennan,I. and Tooley, M. 1998 'Holocene sea-level change and coastal evolution in the Humber Estuary, eastern England: an assessment of rapid coastal change', The Holocene, 8, 229-247.

Wolla Bank, Lincolnshire

Record ID 111

Authors

Clapham, A.

Year

1999

Location description

Deposit location

TF 557 749

Deposit description

Lower peat bed exposure. Tree stumps and trunks (dominated by alder and ash, but also oak, willow/poplar, birch present).

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Field survey and two sections sampled by monolith.

Depth of deposit

14C ages available

Yes

Notes

Angle of trunk fall is mostly N. Wood and plant macrofossil IDs carried out.

Subsite details

ID 277

Location

At base of stump 12.

Depth

Black fibrous peat at surface (from 0-10 cm deep).

Description

Section 1 (30 cm long). 10 cm of peat, on 4.5 cm peaty/clay, on 15.5 cm grey-blue clay. (Page 82).

ID 278

Location

1 m seaward and 1 m north of stump 12.

Depth

Woody, laminated peats: at surface (from 0-7 cm deep) and 8-10cm depth.

Description

Section 2 (22 cm long). Taken from exposed profile caused by wave backwash. 7 cm peat, on 1 cm brown-grey clay, on 2 cm woody laminated peat, on 7 cm brown-grey clay, on 1 cm black deposit, on 4 cm brown-grey clay. (Page 83-84).

14C details

ID 529 **Laboratory code** OxA-5965

Sample location	Depth of sample	Dated sample description
	Stump 8, Quercus wood.	

Age (uncal)	Age (cal)	Delta 13C
4865 ± 65		

Notes

[Page 68].

ID 530 **Laboratory code** OxA-5966

Sample location	Depth of sample	Dated sample description
	0-4.5 cm depth from surface.	Monolith, Alnus wood.

Age (uncal)	Age (cal)	Delta 13C
4500 ± 55		

Notes

[Page 68]. Wood taken from Sample 1 from Section 1.

Bibliographic reference

Clapham, A. 1999 'The characterisation of two mid-Holocene submerged forests', Unpublished PhD, Liverpool John Moores University.

Wolla Bank, Lincolnshire

Record ID 115

Authors

Clarke, M. and Rendell, H.

Year

2000

Location description

Deposit location

TF 557 750

Deposit description

Mid-Holocene peat and forest bed (whole oak stumps) exposed on beach [c. 80 cm thick]. Also, an upper Iron Age peat layer [c. 30 cm thick].

Deposit stratigraphy

Mid-Holocene peat is on glacial Pleistocene till and below freshwater marsh clay. Iron Age peat rests on the clay.

Associated artefacts

Early work

Sampled 1996.

Sample method

Depth of deposit

Visible at low tide.[Mid-Holocene peat/ forest bed c 10m deep and Iron Age peat c 6.4 m deep; unclear what 'depth' refers to].

14C ages available

Yes

Notes

Exposures now buried. Iron Age peat 14C dates are from Pye, pers. comm. to Clarke and Rendell. 14C ages used to compare with OSL dating method.

14C details

ID 65 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

5290 ± 240 cal. years BP

Notes

Mid-Holocene peat layer.

ID 519 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

4850 ± 110 cal. years BP

Notes

Mid-Holocene peat layer.

ID 520 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

5350-5450 ± 1610 cal. years BP

Notes

Mid-Holocene peat layer.

ID 521 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

2470 ± 270

Notes

Iron Age peat layer.

ID 522 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

2470 ± 250

Notes

Iron Age peat layer.

ID 523 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

2730 ± 240

Notes

Iron Age peat layer.

ID 524 **Laboratory code**

Sample location **Depth of sample** **Dated sample description**

Age (uncal) **Age (cal)** **Delta 13C**

2500-2710 ± 330

Notes

Iron Age peat layer.

Bibliographic reference

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