

# East Clough, Yorkshire

Record ID 630

## Authors

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

## Year

1998

## Location description

c. 5 km west of the Humber bridge.

## Deposit location

SE 9740 2475

## Deposit description

Intertidal peat exposure.

## Deposit stratigraphy

Peat rests on basal sands and clays. Overlain by blue-grey silt.

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

## <sup>14</sup>C ages available

Yes

## Notes

Peat is a relatively compaction-free sea level index point. Freshwater pollen replaced by saltmarsh, as sea's influence increases.

## <sup>14</sup>C details

ID 475

Laboratory SRR-4749

## Sample location

SE 9740 2475

## Depth of sample

-0.56 to -0.58 m OD

## Dated sample description

Base of basal peat.

## Age (uncal)

3770 ± 45 years BP 1sigma)

## Age (cal)

4268-3983 cal. years BP

## Delta 13C

## Notes

Light brown humified peat with some sand and Phragmites.

**ID** 476

**Laboratory** SRR-4748

**Sample location**

SE 9740 2475

**Depth of sample**

-0.34 to -0.36 m OD

**Dated sample description**

Top of peat.

**Age (uncal)**

3640 ± 45 years BP (1sigma)

**Age (cal)**

4084-3832 cal. years BP

**Delta 13C**

**Notes**

Transgressive contact. Brown-grey very clayey peat.

**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.

# Hornsea, Yorkshire

**Record ID** 256

**Authors**

Godwin, H. and Godwin, M.

**Year**

1933

**Location description**

**Deposit location**

**Deposit description**

Thin, local peat bed containing reeds.

**Deposit stratigraphy**

**Associated artefacts**

Harpoon found in the peat bed in 1905 by Mr Morfitt.

**Early work**

**Sample method**

**Depth of deposit**

12 ft [3.66 m] below surface.

**14C ages available**

No

**Notes**

[Referred to in Wessex Archaeology (2003c) as SMR HAP8963].

**Bibliographic reference**

Godwin, H. and Godwin, M. 1933 'British Maglemose harpoon sites', *Antiquity*, 7, 36-48.

# Hornsea, Yorkshire

Record ID 473

## Authors

Armstrong, A.

## Year

1922

## Location description

200 yards [183 m] from Hornsea Mere

## Deposit location

[c. TA 20122 46736 - from 1:10560 1904-1939 historic map].

## Deposit description

Peaty deposit (formed from infilling lake waters) - roots of sedge, reeds.

## Deposit stratigraphy

## Associated artefacts

Bone harpoon found in 1915[sic][1905?] under a lacustrine peat; 10 1/8" [25.72 cm] long, 9/16" [1.43 cm] broad, maximum thickness 5/16" [0.80 cm].

## Early work

## Sample method

Found by a workman during Hornsea Gas Works excavation.

## Depth of deposit

Harpoon found 12 ft [3.66 m] deep.

## <sup>14</sup>C ages available

No

## Notes

Maglemosian culture. [Also see Armstrong (1923b)].

## Bibliographic reference

Armstrong, A. 1922 'Two East Yorkshire bone harpoons', *Man*, 22, 130-131.

# Kilnsea Warren, Yorkshire

Record ID 631

## Authors

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

## Year

1998

## Location description

Short distance north of Spurn Point

## Deposit location

TA 4230 1470

## Deposit description

Peat bed exposed on the beach.

## Deposit stratigraphy

Peat on glacial diamict and overlain by a thin brackish silt clay layer.

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

Exposed at low tide.

## <sup>14</sup>C ages available

Yes

## Notes

Peat is a relatively compaction-free sea level index point (positive tendency). Accumulated under saltmarsh conditions.

## <sup>14</sup>C details

ID 477

Laboratory UB-3901

## Sample location

TA 4230 1470

## Depth of sample

-1.19 to -1.22 m OD

## Dated sample description

Top of peat layer.

## Age (uncal)

4384 ± 54 years BP  
(1sigma)

## Age (cal)

5244-4838 cal. years BP

## Delta 13C

## Notes

Dark brown clayey peat.

**ID** 478

**Laboratory** UB-3900

**Sample location**

TA 4230 1470

**Depth of sample**

-1.29 to -1.32 m OD

**Dated sample description**

Base of peat layer.

**Age (uncal)**

4562 ± 59 years BP  
(1sigma)

**Age (cal)**

5448-4994 cal. years BP

**Delta 13C**

**Notes**

Dark brown clayey peat.

**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.

# Kingston upon Hull, docks, Yorkshire

Record ID 352

## Authors

Hawkshaw, J.

## Year

1871

## Location description

Albert Dock

## Deposit location

## Deposit description

Peat layer on foreshore 3-4 ft [0.91-1.22 m] thick. In the west (highest peat) - almost entirely vegetable matter (moss, leaves, brushwood, oak-leaves, acorns, hazelnuts, fir cones). Also oak tree trunks up to 60ft long.

## Deposit stratigraphy

Basal Hessele Clay, then peat on top, then silt on top.

## Associated artefacts

In the east (lower level) - branches and trunks embedded in clay - a large oak 5ft diameter, with a hole in it containing hazelnuts and acorns.

## Early work

## Sample method

## Depth of deposit

Base of peat layer (in west) at 0 to -1m OD. Dips to -12ft OD at lock entrance, then rises again in east.

## <sup>14</sup>C ages available

No

## Notes

Also compared to submerged forest at Whittlesey [Cambs/Fens] by Prof Morris in discussion with Hawkshaw.

## Bibliographic reference

Hawkshaw, J. 1871 'Notes on the peat and underlying beds observed in the construction of Albert Dock, Hull', Quarterly Journal of the Geological Society, 27, 237-240.

# Kingston upon Hull, docks, Yorkshire

Record ID 353

## Authors

Ussher, W.

## Year

1890

## Location description

## Deposit location

## Deposit description

Thin peat (at or just above the base of the alluvial deposits).

## Deposit stratigraphy

## Associated artefacts

## Early work

## Sample method

Dock excavation.

## Depth of deposit

## <sup>14</sup>C ages available

No

## Notes

Pg 185-187.

## Bibliographic reference

Ussher, W. 1890 'The geology of parts of north Lincolnshire and south Yorkshire', Memoirs of the Geological Survey of Great Britain Sheet 86 (old series), .



# Melton Brickyards, Yorkshire

**Record ID** 255

**Authors**

Crowther, D.

**Year**

1987

**Location description**

1.5 km west of Ferriby

**Deposit location**

**Deposit description**

**Deposit stratigraphy**

**Associated artefacts**

Timber features, some prehistoric.

**Early work**

**Sample method**

**Depth of deposit**

**<sup>14</sup>C ages available**

No

**Notes**

**Bibliographic reference**

Crowther, D. 1987 'Sediments and archaeology of the Humber foreshore' in 'East Yorkshire field guide', (ed.s) Ellis, S., , Cambridge: Quaternary Research Association.

# Melton Brickyards, Yorkshire

Record ID 471

## Authors

Stather, J.

## Year

1896

## Location description

## Deposit location

[c. SE 975 248 - foreshore at Brickyard Lane].

## Deposit description

Exposed peat bed on the foreshore below Melton Brickyards.

## Deposit stratigraphy

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

## <sup>14</sup>C ages available

No

## Notes

Referred to in Bisat (1932).

## Bibliographic reference

Stather, J. 1896 'Notes on the drift of the Humber Gap', Proceedings of the Yorkshire Geological Society, XIII, 210-220.

# Noah's Wood, Yorkshire

Record ID 259

## Authors

Poulson, G.

## Year

1840

## Location description

## Deposit location

## Deposit description

Submerged peat bed.

## Deposit stratigraphy

## Associated artefacts

Faunal remains.

## Early work

First identified 1839.

## Sample method

## Depth of deposit

## 14C ages available

No

## Notes

## Bibliographic reference

Poulson, G. 1840 'The history and antiquities of the Seigniory of Holderness', Hull.

# North Ferriby, Yorkshire

Record ID 426

## Authors

Wright, E. and Churchill, D.

## Year

1965

## Location description

## Deposit location

SE 9913 2524 (boat '3').

## Deposit description

Interbedded peats alternating with marine and estuary clays.

## Deposit stratigraphy

1-2 ft of grey estuarine clay overlying an eroded alder-quercus-lime fen-wood peat of variable thickness, formed in hollows of underlying chalky boulder clay.

## Associated artefacts

Sewn boat embedded in clay, lying on a bed of birch and alder poles.

## Early work

## Sample method

## Depth of deposit

-2.3 ft OD [-0.70 m] (boat). -3.2 ft OD [-0.98 m] (contact of clay and peat, at boat 3).

## 14C ages available

Yes

## Notes

## 14C details

ID 282

Laboratory Q-837

## Sample location

## Depth of sample

## Dated sample description

-6.9 to -6.92 ft OD [-2.10 to -2.11 m OD]

Yew stitches from the boat.

## Age (uncal)

1483 ± 210 and 1596 ± 110

## Age (cal)

c.1500 BC

## Delta 13C

## Notes

Boat embedded in clay, overlying peat. (Two runs).

**ID** 283 **Laboratory** Q-715

**Sample location** **Depth of sample** **Dated sample description**  
-2.3 ft OD [-0.70 m OD]from Alnus branch c. 10 years old  
beneath boat.

**Age (uncal)** **Age (cal)** **Delta 13C**  
1170 ± 105 c.1200 BC

**Notes**

Embedded in grey estuarine clay. Overlying peat. [(3120 ± 105 and (-0.27 to -0.87 m OD) Gaunt and Tooley)].

**ID** 284 **Laboratory** BM-58

**Sample location** **Depth of sample** **Dated sample description**  
Oak sealing-slat

**Age (uncal)** **Age (cal)** **Delta 13C**  
750 ± 150 750 BC

**Notes**

Slat was laid above the boat. Embedded in grey clay.

**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.

# North Ferriby, Yorkshire

Record ID 470

## Authors

Bisat, W.

## Year

1932

## Location description

## Deposit location

## Deposit description

Peat exposure below Melton brickyards (west) and Ferriby Brickyards (east). Eroded in between these points. Varies between cms to 2ft thick. Black in colour, but contains sand and stumps and trunks of oak, pine and birch.

## Deposit stratigraphy

Marl on top of peat, and clay below peat.

## Associated artefacts

A red deer antler retrieved by RD'O Good from the marl overlying the peat at the Ferriby exposure.

## Early work

## Sample method

## Depth of deposit

## 14C ages available

No

## Notes

Peat bed sinks eastwards towards Humber estuary mouth.

## Bibliographic reference

Bisat, W. 1932 'Glacial and post-glacial sections on the Humber shore at North Ferriby', Transactions of the Hull Geological Society, 7, 83-95.

# off Flamborough Head, Yorkshire

Record ID 344

## Authors

Shennan, I., Lambeck, K., Horton, B.,  
Innes, J., L

## Year

2000a

## Location description

## Deposit location

[c. TA 360 472, from map]

## Deposit description

## Deposit stratigraphy

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

## 14C ages available

Yes

## Notes

LOIS core

## 14C details

ID 517

Laboratory AA27137

## Sample location

## Depth of sample

-51.52 m OD

## Dated sample description

## Age (uncal)

11425 ± 95 14C  
years BP

## Age (cal)

## Delta 13C

## Notes

Core 53/+00/889. Limiting sea-level indicator.

**ID** 518

**Laboratory** AA25602

**Sample location**

**Depth of sample**

**Dated sample description**

-51.40 m OD

**Age (uncal)**

**Age (cal)**

**Delta 13C**

11145 ± 75 14C years BP

### **Notes**

Core 53/+00/899 [889?]. Positive sea-level indicator.

### **Bibliographic reference**

Shennan, I., Lambeck, K., Horton, B., Innes, J., L 2000a 'Modelling western North Sea palaeogeographies and tidal changes during the Holocene' in 'Holocene land-ocean interaction and environmental change around the North Sea', (ed.s) Shennan, I. and Andrews, J., 299-319, The Geological Society Special Publication No. 166.



# Red Cliff, Yorkshire

Record ID 254

## Authors

Gaunt, G., Fletcher, T. and Wood, C.

## Year

1992

## Location description

North Ferriby foreshore

## Deposit location

## Deposit description

Up to 1.2 m of peat - 'submerged forest'.  
On freshwater calcareous silty shell marl.  
Overlain by estuarine alluvium.

## Deposit stratigraphy

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

## 14C ages available

No

## Notes

## Bibliographic reference

Gaunt, G., Fletcher, T. and Wood, C. 1992 'Geology of the country around Kingston upon Hull and Brigg', Memoir for 1:50,000 geological sheets 80 and 89 (England and Wales), , 172pp.

# Redcar, Yorkshire

**Record ID** 213

**Authors**

Daniels, R.

**Year**

2000

**Location description**

**Deposit location**

**Deposit description**

Peat outcrops on the coast.

**Deposit stratigraphy**

**Associated artefacts**

**Early work**

**Sample method**

**Depth of deposit**

**14C ages available**

No

**Notes**

Mentioned by Daniels (2000). [Part of Hartlepool submerged forest].

**Bibliographic reference**

Daniels, R. 2000 'The archaeology of coastal landscapes: the Cleveland experience' in 'The rising tide: archaeology and coastal landscapes', (ed.s) Aberg, A. and Lewis, C., 23-28, Oxbow Books, Oxford.

# Skipsea, Yorkshire

Record ID 211

## Authors

Godwin, H. and Godwin, M.

## Year

1933

## Location description

Just north of Atwick.

## Deposit location

## Deposit description

Mere peat bed (7 feet (2.13 m) thick): solid black/brown amorphous peat containing lots of horizontal tree branches and trunks (much oak), and hazel nuts too. Clay below - pine fragments, pike fins and flint artefacts, and Prunus? stones.

## Deposit stratigraphy

Mere peat bed overlies freshwater, silt layer (6" (0.15 m) thick) and underlies fine clay, freshwater deposit 2'6" (0.76 m) thick.

## Associated artefacts

Flint artefacts; including a Maglemose harpoon (found in the silt layer, at 5 ft deep, in 1903 by Mr Morfitt). Also, elk and reindeer remains.

## Early work

## Depth of deposit

## Sample method

## 14C ages available

No

## Notes

Also mention of a basal peat layer investigated by Armstrong. Pollen analysis carried out by Godwin and Godwin. Erosion had occurred between time of harpoon find and pollen sampling. [Site also mentioned in Godwin, 1943].

## Bibliographic reference

Godwin, H. and Godwin, M. 1933 'British Maglemose harpoon sites', *Antiquity*, 7, 36-48.

# Skipsea, Yorkshire

Record ID 472

## Authors

Armstrong, A.

## Year

1923a

## Location description

## Deposit location

## Deposit description

Lacustrine, mere peat. Cliff and foreshore exposures. Section face described is the mere edge (lots of wood, branch components). Foreshore peat exposure is fragmentary and only a few inches thick.

## Deposit stratigraphy

Stratigraphy (thicknesses): 1 ft [0.30 m] humus, on 2 ft [0.61 m] clay, on 4-5 ft [1.22-1.52 m] peat, on 9" [22.9 cm] silt (within which the Skipsea harpoon was found by Mr Morfitt), on 2-3 ft Bouldor clay.

## Associated artefacts

New finds of flint artefacts, including flakes, scraper, piercer.

## Early work

## Sample method

Exposed during May 1923 tidal scour.

## Depth of deposit

## 14C ages available

No

## Notes

Further evidence of Maglemosian culture. [Also see Armstrong 1923b, page 67 onwards].

## Bibliographic reference

Armstrong, A. 1923a 'The Maglemose remains at Holderness and their Baltic counterparts', Proceedings of the Prehistoric Society of East Anglia, IV.

# Skipsea, Yorkshire

**Record ID** 678

## **Authors**

Armstrong, A.

## **Year**

1922

## **Location description**

Skipsea Whitlow, north of Atwick

## **Deposit location**

## **Deposit description**

Peat deposit (former small, extinct mere).

## **Deposit stratigraphy**

## **Associated artefacts**

Harpoon: 4 13/16" [12.22 cm] long, 1/2" [1.27 cm] maximum width, 1/4" [0.64 cm] maximum thickness.

## **Early work**

## **Sample method**

Found by Mr Morfitt (1903) whilst digging for animal remains.

## **Depth of deposit**

Harpoon found under 5 ft [1.52 m] of overlying peat.

## **14C ages available**

No

## **Notes**

Different harpoon type to Hornsea harpoon. [Also see Armstrong (1923b)].

## **Bibliographic reference**

Armstrong, A. 1922 'Two East Yorkshire bone harpoons', *Man*, 22, 130-131.

# Spurn, Yorkshire

Record ID 210

## Authors

Gaunt, G. and Tooley, M.

## Year

1974

## Location description

Seaward-side of Spurn

## Deposit location

TA 4235 1385

## Deposit description

On foreshore (intertidal): peat resting on clay with marine shells. peat - woody, detrital with numerous *Betula* twigs.

## Deposit stratigraphy

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

-2.40 m OD (base of biogenic sediment).

## <sup>14</sup>C ages available

Yes

## Notes

Pollen showed it to be Flandrian Zone II. Also cored and dated peat from Market Place (Hull) and Stoneferry.

## <sup>14</sup>C details

ID 166

Laboratory Hv3359

## Sample location

TA 4235 1385

## Depth of sample

-2.35 m OD.

## Dated sample description

From base of peat (woody peat with *Betula*).

## Age (uncal)

6170 ± 180 BP

## Age (cal)

## Delta <sup>13</sup>C

## 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.

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