

Baker's Rithe, Hampshire

Record ID 29

Authors

Allen, M. and Gardiner, J.

Year

2000

Location description

Deposit location

SU 6926 1041

Deposit description

Preserved timbers (oak and yew) on peat ledge. One oak stump in situ. Peat layer 0.15-0.26 m deep [thick?].

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

-1 m OD

¹⁴C ages available

Yes

Notes

¹⁴C details

ID 12

Laboratory code R-24993/2

Sample location

Depth of sample

[-1 m OD]

Dated sample description

Oak stump

Age (uncal)

3735 ± 60 BP

Age (cal)

2310-1950 cal. BC

Delta 13C

Notes

Stump BB

Bibliographic reference

Allen, M. and Gardiner, J. 2000 'Our changing coast; a survey of the intertidal archaeology of Langstone Harbour, Hampshire', Hampshire CBA Research Report 12.4

Calshot, Hampshire

Record ID 54

Authors

Hodson, F. and West, I.

Year

1972

Location description

Calshot Spit

Deposit location

Deposit description

Peat forming environment in leeward side

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

¹⁴C ages available

No

Notes

[Also Long and Tooley (1995)]

Bibliographic reference

Hodson, F. and West, I. 1972 'Holocene deposits of Fawley, Hampshire, and the development of Southampton Water', Proceedings of the Geological Association, 83, 421-441.

Dibden Bay, Hampshire

Record ID 636

Authors

Long, A., Scaife, R. and Edwards, R.

Year

2000

Location description

Deposit location

SU 4195 0860

Deposit description

Freshwater peat.

Deposit stratigraphy

Thin layer of broken shells, silt and clay overlain by grey, silty clay above an abrupt contact with the upper peat surface.

Associated artefacts

Early work

Sample method

Depth of deposit

-2.8 m OD

¹⁴C ages available

Yes

Notes

Similar stratigraphy is known in the lower Hamble.

¹⁴C details

ID 484

Laboratory code Beta-106550

Sample location

SU 4195 0860

Depth of sample

-2.66 to -2.64 m OD

Dated sample description

Base of basal peat.

Age (uncal)

5040 ± 60 BP

Age (cal)

5919-5648 cal. BP

Delta 13C

Notes

Dark brown/black organic sand with some silt and gravel up to 15 mm. Rare detrital wood.

ID 490

Laboratory code Beta-106551

Sample location

SU 4195 0860

Depth of sample

-2.47 to -2.44 m OD

Dated sample description

Transgressive contact.

Age (uncal)

4650 ± 70 BP

Age (cal)

5579-5059 cal. BP

Delta 13C

Notes

Dark brown/grey humified peat with rare silt clay lenses. Abrupt upper contact.

Bibliographic reference

Long, A., Scaife, R. and Edwards, R. 2000 'Stratigraphic architecture, relative sea-level, and models of estuary development in southern England: new data from Southampton Water' in 'and estuarine environments: sedimentology, geomorphology and geoarchaeology', (ed.s) Pye, K. and Allen, J., 253-280, Geological Society Special Publication 175. The Geological Society, London.

Empress Dock, Hampshire

Record ID 75

Authors

Tomalin, D.

Year

2000b

Location description

Deposit location

Deposit description

Peat

Deposit stratigraphy

Associated artefacts

Early work

First identified 1940

Sample method

Depth of deposit

¹⁴C ages available

No

Notes

referred to in Tomalin (2000b)

Bibliographic reference

Tomalin, D. 2000b 'Wisdom of hindsight: palaeoenvironmental and archaeological evidence of long-term processual changes and coastline sustainability', Proceedings in Marine Science, 1, 71-83.

Fawley, Hampshire

Record ID 37

Authors

Godwin, H. and Switzer, V.

Year

1966

Location description

Deposit location

50 deg 49' N Lat, 1 deg 19' 30" W Long
[SU 47546 02182 converted]

Deposit description

West bank of Solent - peat layer (between two estuarine clay layers. All on top of sandy gravel).

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

-9 ft to -14 ft OD [-2.74 to -4.27 m OD]

14C ages available

Yes

Notes

Power station construction. From work by D. Churchill, July 1964. Q-831 and Q-832 - too close in age, implying very fast peat accumulation rate. Unreliable date?

14C details

ID 15

Laboratory code Q-831

Sample location

Depth of sample

Dated sample description

From top inch of peat
[top 2.54 cm]

Age (uncal)

3689 ± 120

Age (cal)

Delta 13C

Notes

[Pollen Zone VII a?/b?]

ID 16

Laboratory code Q-832

Sample location

Depth of sample

Dated sample description

-13.5 to -14.5 ft OD [-
4.11 to -4.42 m OD]

Betula wood from
Betula/Phragmites fen-wood
peat

Age (uncal)

Age (cal)

Delta 13C

3563 ± 96

Notes

Bibliographic reference

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

Fawley, Hampshire

Record ID 38

Authors

Godwin, H. and Switzer, V.

Year

1966

Location description

In vicinity of Record 37

Deposit location

Deposit description

Below gravel: clay then laminated silty Phragmites peat. Below Phragmites peat: sand with drifted Quercus wood, then gravel below.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

23.5 ft to -24.5 ft OD [-7.16 to -7.47 m OD] (peat); -24.5 ft to -25 ft OD [-7.24 to -7.62 m OD] (sand with wood)

¹⁴C ages available

Yes

Notes

Power station construction. From work by D. Churchill, July 1964. Q-834 and Q-835 fit together well

14C details

ID 17

Laboratory code Q-834

Sample location

Depth of sample

Dated sample description

-24 ft OD [-7.32 m OD]

Silty Phragmites peat with charcoal fragments

Age (uncal)

Age (cal)

Delta 13C

6366 ± 124

Notes

Pollen Zone VIIa

ID 18

Laboratory code Q-835

Sample location

Depth of sample

Dated sample description

-25 ft OD [-7.62 m OD]

Quercus wood from sand overlying gravel

Age (uncal)

Age (cal)

Delta 13C

6318 ± 134

Notes

Bibliographic reference

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

Fawley, Hampshire

Record ID 39

Authors

Churchill, D.

Year

1965

Location description

Deposit location

Deposit description

Drift oak wood from sandy gravel in channel bottom, overlain by 9" [22.86 cm] laminated, detrital sandy Phragmites clay, overlain by 9' [2.74 m] estuarine clay (lowermost 3' [0.91 m] of which contains in situ Hydrobia and Scrobicularia).

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

14C details

ID 19

Laboratory code Q-835

Sample location

Depth of sample

-25 ft OD [-7.62 m OD]

Dated sample description

Oak wood

Age (uncal)

6358 ± 130 BP

Age (cal)

Delta 13C

Notes

ID 20

Laboratory code Q-384 [sic]

Sample location

Depth of sample

Dated sample description

Phragmites clay

Age (uncal)

Age (cal)

Delta 13C

6390 ± 124 BP

Notes

Bibliographic reference

Churchill, D. 1965 'The displacement of deposits formed at sea-level 6,500 years ago in southern Britain', *Quaternaria*, 7, 239-249.

Fawley, Hampshire

Record ID 129

Authors

Hodson, F. and West, I.

Year

1972

Location description

Deposit location

Deposit description

Forest debris; oak wood buried under estuarine deposits

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Borehole

Depth of deposit

-7.6 m OD

14C ages available

Notes

14C details

ID 67

Laboratory code

Sample location

Depth of sample

-7.6 m OD

Dated sample description

Oak remains

Age (uncal)

6358 BP (uncal.)

Age (cal)

Delta 13C

Notes

Bibliographic reference

Hodson, F. and West, I. 1972 'Holocene deposits of Fawley, Hampshire, and the development of Southampton Water', Proceedings of the Geological Association, 83, 421-441.

Fawley, Hampshire

Record ID 517

Authors

West, I.

Year

2003

Location description

Power station

Deposit location

[c. SU 474 023 from map]

Deposit description

Peat bed - black with much reed and woody materials (Betula-Phragmites). Ranges between 0 to 3.35 m thick. Neolithic.

Deposit stratigraphy

Associated artefacts

Supposed bog bodies in peat bed in excavations nearby [c. SU 475 020 from map].

Early work

Sample method

Depth of deposit

-3 to -4 m OD

¹⁴C ages available

No

Notes

Bibliographic reference

West, I. 2003 'Geology of Fawley power station, Southampton Water', <http://www.soton.ac.uk/~imw/Fawley-Power-Station-geology.htm> Version H 04/02/03.

Fawley, Hampshire

Record ID 644

Authors

Hodson, F. and West, I.

Year

1972

Location description

Deposit location

SU 4740 0235

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

14C details

ID 495

Laboratory code Q831

Sample location

SU 4740 0235

Depth of sample

-2.75 m OD

Dated sample description

Phragmites peat.

Age (uncal)

3689 ± 120

Age (cal)

4407-3692 cal. BP

Delta 13C

Notes

Transgressive contact

ID 496

Laboratory code Q832

Sample location

SU 4740 0235

Depth of sample

-1.19 m OD.

Dated sample description

Betula wood from Betula-Phragmites fen-wood peat

Age (uncal)

3563 ± 96

Age (cal)

4124-3624 cal. BP

Delta 13C

Notes

Regressive contact.

ID 497

Laboratory code Q834

Sample location

SU 4740 0235

Depth of sample

-7.33 m OD

Dated sample description

Silty Phragmites peat with fragments of charcoal.

Age (uncal)

6366 ± 124

Age (cal)

7511-6997 cal. BP

Delta 13C

Notes

Towards base of channel.

ID 498

Laboratory code Q835

Sample location

SU 4740 0235

Depth of sample

-7.63 m OD.

Dated sample description

Quercus wood from sand overlying gravel

Age (uncal)

6318 ± 134

Age (cal)

7424-6887 cal. BP

Delta 13C

Notes

Base of channel.

Bibliographic reference

Hodson, F. and West, I. 1972 'Holocene deposits of Fawley, Hampshire, and the development of Southampton Water', Proceedings of the Geological Association, 83, 421-441.

Hamble Marshes, Hampshire

Record ID 643

Authors

Long, A., Scaife, R. and Edwards, R.

Year

2000

Location description

Deposit location

SU 4955 1002

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

14C details

ID 494

Laboratory code Beta-93197

Sample location

SU 4955 1002

Depth of sample

-2.33 to -2.38 m OD

Dated sample description

Transgressive contact.

Age (uncal)

4410 ± 70 BP

Age (cal)

5289-4837 cal. BP

Delta 13C

Notes

Brown woody humified peat with some clay and turfa. Abrupt upper contact.

Bibliographic reference

Long, A, Scaife, R. and Edwards, R. 2000 'Stratigraphic architecture, relative sea-level, and models of estuary development in southern England: new data from Southampton Water' in ' and estuarine environments: sedimentology, geomorphology and geoarchaeology', (ed.s) Pye, K. and Allen, J., 253-280, Geological ociety Special Publication 175. The Geological Society, London.

Hawker's Lake, Hampshire

Record ID 601

Authors

Sparks, B., Momber, G. and Satchell, J.

Year

2001b

Location description

Between Lymington River and Hurst Spit

Deposit location

[c. SZ 314 912]

Deposit description

Submerged peat bed, inlaid with timber.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

1999 dive searched 60x30m area surveyed.

Depth of deposit

¹⁴C ages available

No

Notes

Subsequent survey (SoIMAP 2000) couldn't find a seaward peat edge - gradual change to underlying clay.

Bibliographic reference

Sparks, B., Momber, G. and Satchell, J. 2001b 'Discovered after 6,000 years and open for investigation' in 'A decade of diving, delving and disseminating', (ed.s) Sparks, B., Momber, G. and Satchell, J., 61-64.

Hayling Island, Hampshire

Record ID 7

Authors

Bullivant, D., Barber, J., Whitcombe, L. and West, I.

Year

2003

Location description

Deposit location

Deposit description

Tree remains; submerged forest

Deposit stratigraphy

Associated artefacts

Artificially-shaped ship timbers of exotic wood

Early work

Sample method

Underwater coring

Depth of deposit

14C ages available

Yes

Notes

14C details

ID 8

Laboratory code (QUB)

Sample location

Depth of sample

-4.1 m OD

Dated sample description

Tree trunk timber

Age (uncal)

5584 ± 23

Age (cal)

6307-6441 cal. BP
(4358-4492 BC)

Delta 13C

Notes

i.e. c. 6400 years BP

Bibliographic reference

Bullivant, D., Barber, J., Whitcombe, L. and West, I. 2003 'Submerged forest and old ship remains in the Solent', <http://www.soton.ac.uk/~imw/ship.htm> Version H 28/09/03 ,

Hill Head, Hampshire

Record ID 635

Authors

SCOPAC

Year

2005

Location description

Deposit location

[c. SU 539 020]

Deposit description

Submerged forest in intertidal shore.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

¹⁴C ages available

No

Notes

Bibliographic reference

SCOPAC 2005 'Quaternary history of the Solent',
www.scopac.org.uk/scopac%20sediment%20db/quart/quart.htm 11/10/05.

Hurst Castle Spit, Hampshire

Record ID 48

Authors

Nicholls, R. and Clarke, M.

Year

1986

Location description

Deposit location

NGR 43092 09001 [SZ 3092 9001]

Deposit description

Holocene submerged peat beds beneath Hurst Castle Spit. Core B: reddish peat, overlain by 5m of estuarine deposits. Poor fen with carr. Thought to be Flandrian.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Hand augering

Depth of deposit

-4 m OD

¹⁴C ages available

No

Notes

Peat also found SE of Pennington Marshes.

Bibliographic reference

Nicholls, R. and Clarke, M. 1986 'Flandrian peat deposits at Hurst Castle Spit', Proceedings of the Hampshire Field Club and Archaeological Society, 42, 15-21.

Hurst Castle Spit, Hampshire

Record ID 49

Authors

Nicholls, R. and Clarke, M.

Year

1986

Location description

Along the beach

Deposit location

near NGR 43092 09001

Deposit description

Blocks of peat washed onto shore near Core B (Record 48) in 1977 storm, along 600 m of coast. Blocks 0.2 m long. Distinctive reddish peat (same deposit as Core B). Poor fen with carr. Thought to be Flandrian.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

n/a

¹⁴C ages available

No

Notes

Bibliographic reference

Nicholls, R. and Clarke, M. 1986 'Flandrian peat deposits at Hurst Castle Spit', Proceedings of the Hampshire Field Club and Archaeological Society, 42, 15-21.

Hurst Castle Spit, Hampshire

Record ID 50

Authors

Reid, C.

Year

1905

Location description

Deposit location

Deposit description

Reference to "submerged forest" beneath sea-level. Postulated to be about 1500 BC.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Pg 285

Bibliographic reference

Reid, C. 1905 'The island of Ictis', Archaeologia, 5

Hythe Marshes, Hampshire

Record ID 642

Authors

Long, A., Scaife, R. and Edwards, R.

Year

2000

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

14C details

ID 492

Laboratory code Beta-93198

Sample location

SU 4445 0601

Depth of sample

-3.15 to -3.10 m OD

Dated sample description

Regressive contact.

Age (uncal)

5320 ± 60 BP

Age (cal)

6278-5935 cal. BP

Delta 13C

Notes

Dark brown woody humified turfa. Transect 1.

ID 493

Laboratory code Beta-93196

Sample location

SU 4350 0670

Depth of sample

+0.82 to +0.87 m OD

Dated sample description

Transgressive contact.

Age (uncal)

1250 ± 50 BP

Age (cal)

1284-1059 cal. BP

Delta 13C

Notes

Dark brown turfa. Transect 2.

Bibliographic reference

Long, A., Scaife, R. and Edwards, R. 2000 'Stratigraphic architecture, relative sea-level, and models of estuary development in southern England: new data from Southampton Water' in 'and estuarine environments: sedimentology, geomorphology and geoarchaeology', (ed.s) Pye, K. and Allen, J., 253-280, Geological Society Special Publication 175. The Geological Society, London.

King George V Graving Dock (no.7), Hampshire

Record ID 71

Authors

Godwin, H.

Year

1943

Location description

Deposit location

Deposit description

Deep bed of peat exposed - suggesting above the Bracklesham Beds, peat accumulation was continuous since early post-glacial

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

bottom peat at -20 ft (-6 m OD)

¹⁴C ages available

No

Notes

Marine transgression late Zone VII (pollen record) (now at -6.2 ft (-1.9 m) OD)

Bibliographic reference

Godwin, H. 1943 'peat beds of the British Isles and North Sea', *Journal of Ecology*, 31, 199-247.

King George V Graving Dock (no.7), Hampshire

Record ID 72

Authors

Shore, T. and Elwes, J.

Year

1889

Location description

Deposit location

Deposit description

Deep buried shoreline (gravel) overlain by freshwater terrestrial peat. Peat contained much oak, some large trunks in situ. Abundant hazel and beech.

Deposit stratigraphy

Mud on top.

Associated artefacts

Flint artefacts in the peat - Middle Stone Age. North side of the dock wall was a skull of *Bos primigenius*. Also, a hammer stone and fine bone needle.

Early work

Sample method

Depth of deposit

-1.8 m OD

¹⁴C ages available

No

Notes

[Also Godwin (1940); Oakley (1943)]

Subsite details

ID 120

Location

[c. SU 427 100 from map]

Depth

33-43 ft [10.06 to 13.12 m] deep

Description

Core 1, peat.

ID 121

Location

[c. SU 426 100 from map]

Depth

32-45 ft [9.75 to 13.72 m] deep

Description

Core 2, peat.

ID 122

Location

[c. SU 427 102 from map]

Depth

30-44 ft [9.14 to 13.4 m] deep

Description

Core 11, peat.

ID 123

Location

[c. SU 427 101 from map]

Depth

30-44 ft [9.14 to 13.4 m] deep

Description

Core 12, peat.

ID 124

Location

[c. SU 428 100 from map]

Depth

32-43 ft [9.75 to 13.12 m] deep

Description

Core 13, peat.

ID 125

Location

Dock Extension South boring, peat.

Depth

26-38 ft [7.92 to 11.58 m] deep

Description

ID 126

Location

Depth

27.25-37.25 ft [8.31 to 11.35 m]
deep

Description

Dock Extension 500 ft [152.40 m] N, peat.

ID 127

Location

Depth

32-45 ft [9.75 to 13.72 m] deep

Description

Dock Extension 500[sic] ft [152.40 m] N, peat.

ID 128

Location

Depth

34.25-40.25 ft [10.44 to 12.23 m] deep

Description

Dock Extension 400 ft [121.92 m] N, chalky peat.

Bibliographic reference

Shore, T. and Elwes, J. 1889 'The new dock excavation at Southampton', Procedures of the Hampshire Field Club, 1(3), 43-56.

King George V Graving Dock (no.7), Hampshire

Record ID 187

Authors

Godwin, H. and Godwin, M.

Year

1940

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Subsample 44: peat layer 13'6" to 16'0 ft below section top at -4.2 ft OD on Bracklesham Sand. Clayey peat layer with vertical alder roots 2' to 4'6". Prostrate alder trees at 9' and 12'. Pieces of ?pine at 14'6".

Subsite details

ID 43

Location

Depth

-20 ft to -6 ft [-6.10 to -1.83 m] OD

Description

Submerged peat deposit, overlain with marine invasion deposits. Referred to by Everard (1954).

ID 44

Location

Depth

Description

Three horizons of abundant prostrate trees: lowest probably pine, other two alder. Upper peat surface below the harbour mud was penetrated by alder roots from alder-fen since destroyed. From exposed section.

14C details

ID 124

Laboratory code

Sample location

Depth of sample

Dated sample description

Base of section

Age (uncal)

Age (cal)

Delta 13C

Pre-Boreal (c. 7500 BP)

Notes

Submerged peat deposit, overlain with marine invasion deposits. Subsample 43.

ID 125

Laboratory code

Sample location

Depth of sample

Dated sample description

Top of section

Age (uncal)

Age (cal)

Delta 13C

Atlantic (c. 3500 BP).

Notes

Submerged peat deposit, overlain with marine invasion deposits. Subsample 43.

Bibliographic reference

Godwin, H. and Godwin, M. 1940 'Submerged peat at Southampton: data for the study of postglacial history V', *New Phytologist*, 39, 303-307.

Langstone Harbour, Hampshire

Record ID 637

Authors

SCOPAC

Year

2005

Location description

Deposit location

Deposit description

Buried freshwater peats.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

At -11 to -14 m OD

¹⁴C ages available

No

Notes

Dated to between 8000 and 6800 years BP. [reference?? Mottershead 1976??]

Bibliographic reference

SCOPAC 2005 'Quaternary history of the Solent',
www.scopac.org.uk/scopac%20sediment%20db/quart/quart.htm 11/10/05.

Langstone Harbour, Hampshire

Record ID 649

Authors

George Wimpey and Co. Ltd.

Year

Feb. 1962

Location description

Broom Channel and Langstone Channel

Deposit location

Deposit description

Peat layers.

Deposit stratigraphy

Flandrian marine silts overlie the peat.

Associated artefacts

Early work

Sample method

Depth of deposit

¹⁴C ages available

No

Notes

[Referred to in Mottershead, 1976; see map - figure 6].

Subsite details

ID 257

Location

[c. SU 70143 02158 - from map].
Langstone Channel.

Depth

-11.9 m OD (top of peat).

Description

BH26

ID 258

Location

[c. SU 68365 02142 - from map]. Broom Channel.

Depth

-10.75 m OD (top of peat).

Description

BH3

Bibliographic reference

George Wimpey and Co. Ltd. Feb. 1962 'Report on site investigation for proposed land reclamation scheme in Langstone Harbour, Portsmouth, Hampshire. Lab ref. no. S/2970', City of Portsmouth.

Lee-on-the-Solent, Hampshire

Record ID 14

Authors

Mottershead, D.

Year

1976

Location description

Deposit location

Deposit description

Bed of peat overlying marine clay

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Visible above low water mark.

¹⁴C ages available

No

Notes

Bibliographic reference

Mottershead, D. 1976 'The Quaternary history of the Portsmouth region', Portsmouth Geographical Essays, 2, 1-21.

Lepe beach, Hampshire

Record ID 24

Authors

West, I.

Year

2005

Location description

Eastern end of Lepe car park; just to west of Stone Point

Deposit location

Deposit description

Clay and peat deposits. Extend 50-100 m laterally.

Deposit stratigraphy

Associated artefacts

Commonly found are elephant remains.

Early work

Sample method

Depth of deposit

Under foreshore in stormy conditions.

¹⁴C ages available

No

Notes

Ipswichian interglacial..

Bibliographic reference

West, I. 2005 'Geology of the New Forest, southern England, bibliography by Ian West', www.soton.ac.uk/~imw/New-Forest-Geology-Bibliography.htm Version 06/04/05, .

near Weevil Lake, Hampshire

Record ID 25

Authors

Godwin, H.

Year

1945a

Location description

Deposit location

Near SU 623 005 (Mottershead, 1976)

Deposit description

Basal peat/peaty-clay layer, 1.83 m thick. Pollen and macros taken from a sample - 59 ft OD [-17.98 m OD].

Deposit stratigraphy

Peat is overlain by organic silty clay and underlain by flint pebbles.

Associated artefacts

Early work

Sample method

Depth of deposit

-54 to -60 ft OD [-16.46 to -18.29 m OD]

¹⁴C ages available

No

Notes

Dominance of birch and pine pollen, with abundant birch fruits. Zone IV age (from pollen). [Also see Mottershead, 1976; page 13].

¹⁴C details

ID 9

Laboratory code

Sample location

Age (uncal)

Depth of sample

Age (cal)

Dated sample description

Delta 13C

Notes

Bibliographic reference

Godwin, H. 1945a 'A submerged peat bed in Portsmouth Harbour. Data for the study of Post-Glacial History. IX', *New Phytologist*, 44, 152-155.

Netley Shoal, Hampshire

Record ID 16

Authors

Kemp, J.

Year

????

Location description

Deposit location

Deposit description

Dredged up Bracklesham Beds deposits, including coarse gravel, peat and tufa, with a marine clay covering.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Dredging

Depth of deposit

Netley Shoal is permanently underwater.

¹⁴C ages available

No

Notes

Bibliographic reference

Kemp, J. ???? 'The tufaceous deposits of the Test and the Itchen', Papers and Proceedings of Hampshire Field Club, 1, 83-89.

Newtown (Hants), Hampshire

Record ID 47

Authors

Tomalin, D.

Year

2000b

Location description

Deposit location

Deposit description

Coastal peat

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

[referred to in Tomalin (2000b)]

Bibliographic reference

Tomalin, D. 2000b 'Wisdom of hindsight: palaeoenvironmental and archaeological evidence of long-term processual changes and coastline sustainability', Proceedings in Marine Science, 1, 71-83.

North west Solent shores, Hampshire

Record ID 502

Authors

Momber, G.

Year

2004

Location description

Deposit location

[SZ 332 922]

Deposit description

Peat and submerged forest 500 m wide, 8 km long, mirroring shoreline.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

Comparable with Bouldnor.

14C details

ID 366

Laboratory code Beta-166477

Sample location

Depth of sample

-4 m OD

Dated sample description

Base of peat.

Age (uncal)

5510 ± 70

Age (cal)

6420-6190 cal. BP

Delta 13C

Notes

ID 367

Laboratory code Beta-166478

Sample location

Depth of sample

Dated sample description

-5.5 to -6.0 m OD

Base of peat (peat/humic material)

Age (uncal)

Age (cal)

Delta 13C

6170 ± 60

7240-6890 cal. BP

Notes

Bibliographic reference

Momber, G. 2004 'The inundated landscapes of the western Solent' in 'Submarine prehistoric archaeology of the North Sea. Research priorities and collaboration with industry. CBA Research report 141', (ed.s) Flemming, N., 37-42, English Heritage/Council for British Archaeology.

Ocean Dock, Hampshire

Record ID 73

Authors

ADS

Year

NONE

Location description

Deposit location

SU 423 104

Deposit description

Peat deposit, probably submarine forest

Deposit stratigraphy

Associated artefacts

Mesolithic macehead; flint flakes; polished bone implement

Early work

Found 1883 during dock excavation

Depth of deposit

Sample method

¹⁴C ages available

No

Notes

record NMR_NATINV-230331 in ADS

Bibliographic reference

ADS NONE 'Archaeology Dataservice', <http://ads.ahds.ac.uk/>.

Ocean Dock, Hampshire

Record ID 74

Authors

Godwin, H.

Year

1943

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

round hammerstone

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

mentioned in Godwin (1943)

Bibliographic reference

Godwin, H. 1943 'peat beds of the British Isles and North Sea', *Journal of Ecology*, 31, 199-247.

Oxey Marsh, Hampshire

Record ID 599

Authors

Sparks, B., Momber, G. and Satchell, J.

Year

2001b

Location description

Seaward of the marsh

Deposit location

[c. SZ 332 930]

Deposit description

Areas of peat and submerged forest.

Deposit stratigraphy

Peat exposed by erosion of the overlying mudflats.

Associated artefacts

Early work

Sample method

Depth of deposit

Visible at lowest tides.

¹⁴C ages available

No

Notes

Bibliographic reference

Sparks, B., Momber, G. and Satchell, J. 2001b 'Discovered after 6,000 years and open for investigation' in 'A decade of diving, delving and disseminating', (ed.s) Sparks, B., Momber, G. and Satchell, J., 61-64.

Pennington Marshes, Hampshire

Record ID 42

Authors

Nicholls, R.

Year

1987

Location description

Deposit location

SZ 325 923

Deposit description

Layer of organic silts and clays with peat at some horizons, up to 1m thick. Exposed landward of sea wall and below OD seaward

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Borehole transect

Depth of deposit

Top of offshore layer deepens seaward from -1 to -4 m OD

¹⁴C ages available

No

Notes

Bibliographic reference

Nicholls, R. 1987 'Evolution of the upper reaches of the Solent River and the formation of Poole and Christchurch Bays' in 'Wessex and the Isle of Wight field guide', (ed.s) Barber, K., 99-114, Quaternary Research Association.

Pennington Marshes, Hampshire

Record ID 43

Authors

Nicholls, R. and Clarke, M.

Year

1986

Location description

Deposit location

Deposit description

Up to 1.2 m of Flandrian, soft, dark grey, silty, clayey peat.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Boreholes 12 and 13

Depth of deposit

Between -2.0 and -3.6 m OD

¹⁴C ages available

No

Notes

[Mentioned in Nicholls and Clarke (1986)]

Bibliographic reference

Nicholls, R. and Clarke, M. 1986 'Flandrian peat deposits at Hurst Castle Spit', Proceedings of the Hampshire Field Club and Archaeological Society, 42, 15-21.

Pennington Marshes, Hampshire

Record ID 396

Authors

Allen, L., Gibbard, P. Pettit, M., Preece, R. and Robinson, J.

Year

1996

Location description

Deposit location

[c. SZ 323 924, from map]

Deposit description

"Pennington Organic Bed" - silt and clay with some plant remains. Fossiliferous organic sediments, traced across 200 m, within sands and gravels. Found in three boreholes (A, B, and C).

Deposit stratigraphy

Associated artefacts

Early work

Sample method. Excavation as part of water outfall pipeline.

Depth of deposit

Bed occurs between -3.9 to -5.3 m OD.

¹⁴C ages available

No

Notes

Pollen indicates temperate interglacial conditions. Postulated to be early Ipswichian [last interglacial] in relation to (older?) gravels at Stone Point. Organic bed accumulated in an abandoned channel or depression of a river's floodplain.

Bibliographic reference

Allen, L., Gibbard, P. Pettit, M., Preece, R. and Robinson, J. 1996 'Late Pleistocene interglacial deposits at Pennington Marshes, Lymington, Hampshire, southern England', Proceedings of the Geologists Association, 107, 39-50.

Portsmouth Dockyard, Hampshire

Record ID 33

Authors

James, H.

Year

1847

Location description

Deposit location

Deposit description

Layer of tree roots and stumps (2 feet [0.61 m] thick), dipping towards the inner and north part of the harbour.

Deposit stratigraphy

Peat is underlain by London clay and overlain by blue clay layer 4 feet [1.22 m] thick. Above is then shingle bed, then clay layer that forms the estuary bed.

Associated artefacts

Early work

Sample method

Depth of deposit

Two findings of same peat deposit [see details].

14C ages available

No

Notes

[1864 expansion of docklands also found prehistoric antler pick]. Mottershead (1976; page 13) reports the two depths as -0.6 and -0.41 m OD.

Subsite details

ID 273

Location

Depth

16.5 feet [5.03 m] below high-water

Description

ID 274

Location

Depth

29 feet [8.84 m] below high-water

Description

Bibliographic reference

James, H. 1847 'On a section exposed by the excavation at the new steam basin in Portsmouth Dockyard', Quarterly Journal of the Geological Society of London, 3, 249-251.

Portsmouth Dockyard, Hampshire

Record ID 34

Authors

James, H.

Year

1847

Location description

Deposit location

Deposit description

Peat horizon 2 feet [0.61 m] thick. In situ tree roots. Forest dips towards the north and inner harbour. Peat is 2 ft [0.61 m] thick - contains indicators of shallow salt water.

Deposit stratigraphy

Peat is on London Clay, and below blue clay 4ft thick. Clay is below shingle bed.

Associated artefacts

Early work

Construction of a Steam Basin

Sample method

Depth of deposit

-3.12 and (separate location) -6.87 m OD

¹⁴C ages available

No

Notes

Bibliographic reference

James, H. 1847 'On a section exposed by the excavation at the new steam basin in Portsmouth Dockyard', Quarterly Journal of the Geological Society of London, 3, 249-251.

Portsmouth Dockyard, Hampshire

Record ID 35

Authors

Meyer, C.

Year

1871/1870

Location description

Deposit location

Deposit description

Bed of trees with in situ roots, under and overlain by blue clay.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Between -5 and -5.3 m.

¹⁴C ages available

No

Notes

Bibliographic reference

Meyer, C. 1871/1870 'On the Lower Tertiary deposits recently exposed at Portsmouth', Quarterly Journal of the Geological Society of London, 27, 74-89.

Portsmouth Dockyard, Hampshire

Record ID 69

Authors

Codrington, T.

Year

1869

Location description

Deposit location

Deposit description

Submerged forest

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Codrington, T. 1869 'The superficial deposits of south Hampshire and the Isle of Wight', Quarterly Journal of the Geological Society, 26, 528-548.

Pylewell Lake, Hampshire

Record ID 458

Authors

Shore, T.

Year

1893

Location description

Deposit location

[SZ 345 945]

Deposit description

Some black oak and other indications of bog and land growth beneath the mud.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Also, general reference to peat preserved beneath muds throughout Hampshire. Also reference to submerged villages (Estoke, Northwood, Manwode) under mud in Chichester Harbour.

Bibliographic reference

Shore, T. 1893 'Hampshire mudlands and other alluvium', Papers and Proceedings of Hampshire Field Club, 2, 181-200.

River Alver, Hampshire

Record ID 15

Authors

Hopson, P.

Year

1999

Location description

Deposit location

Deposit description

Peat associated with the river

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Hopson, P. 1999 'Geology of the Fareham and Portsmouth District', Sheet description for the BGS survey 1:50,000 series sheet 316 and the mainland portion of sheet 331 (England and Wales), .

Russell's Lake, Hampshire

Record ID 30

Authors

Allen, M. and Gardiner, J.

Year

2000

Location description

Deposit location

SU 69115 10398

Deposit description

A few relict stumps, fallen trunks and branches (oak and willow) on peat deposit 0.2 m deep [thick?].

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

-0.5 m OD

¹⁴C ages available

Yes

Notes

¹⁴C details

ID 13

Laboratory code R-24993/1

Sample location

Depth of sample

Dated sample description

[-0.5 m OD]

Oak branch

Age (uncal)

Age (cal)

Delta 13C

4431 ± 70 BP

3350-2910 cal. BC

Notes

Branch AE

Bibliographic reference

Allen, M. and Gardiner, J. 2000 'Our changing coast; a survey of the intertidal archaeology of Langstone Harbour, Hampshire', Hampshire CBA Research Report 124.

Solent, Hampshire

Record ID 17

Authors

Ke, X. and Collins, M.

Year

1993

Location description

NW Solent

Deposit location

Deposit description

Offshore peats evident from eroding material

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Ke, X. and Collins, M. 1993 'Saltmarsh Protection and Stabilisation, West Solent. Report No. SUDO/93/6/C. Report to New Forest District Council', Department of Oceanography, University of Southampton.

Solent, Hampshire

Record ID 18

Authors

Shore, T.

Year

1893

Location description

West Solent, northern shores

Deposit location

Deposit description

Submerged forest

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Shore, T. 1893 'Hampshire mudlands and other alluvium', Papers and Proceedings of Hampshire Field Club, 2, 181-200.

Solent, Hampshire

Record ID 22

Authors

Osborne White, H.

Year

1921

Location description

North coast IOW

Deposit location

Deposit description

Peat-beds and rooted tree-stumps.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Below high water mark.

¹⁴C ages available

No

Notes

Bibliographic reference

Osborne White, H. 1921 'A short account of the geology of the Isle of Wight', Memoir of the Geological Survey of Great Britain, , 235pp.

Solent, Hampshire

Record ID 31

Authors

West, I.

Year

1980

Location description

Deposit location

Deposit description

Peat and submerged forests

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

-3 m OD

¹⁴C ages available

Yes

Notes

¹⁴C details

ID 14

Laboratory code

Sample location

Age (uncal)

Depth of sample

Age (cal)

Dated sample description

Delta 13C 3600 years ago

Notes

Bibliographic reference

West, I. 1980 'Geology of the Solent estuarine system' in 'The Solent Estuarine System: an assessment of present knowledge', (ed.s) , 6-18, NERC Publication, Series C, No. 22, November 1980.

Solent, Hampshire

Record ID 32

Authors

Dyer, K.

Year

1975

Location description

Eastern Solent

Deposit location

Deposit description

Submerged peat beds and forest remnants

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Variety.

14C ages available

No

Notes

[referred to in Mottershead (1976)]

Bibliographic reference

Dyer, K. 1975 'The buried channels of the Solent River, southern England', Proceedings of the Geological Society/Geological Association of London, 86, 239-245

Southampton power station (former), Hampshire

Record ID 518

Authors

West, I.

Year

2003

Location description

Deposit location

SU 415 121

Deposit description

Reclaimed estuary site. Peat layer between 0.6 m and 0.9 m thick.

Deposit stratigraphy

Peat is below mud, and on top of gravel. All on top of Bracklesham Sand.

Associated artefacts

Early work

Sample method

Depth of deposit

-0.9 m OD (top of peat layer).

¹⁴C ages available

No

Notes

Bibliographic reference

West, I. 2003 'Geology of Fawley power station, Southampton Water', <http://www.soton.ac.uk/~imw/Fawley-Power-Station-geology.htm> Version H 04/02/03, .

Southampton Water, Hampshire

Record ID 70

Authors

Barton, M. and Roche, M.

Year

1984

Location description

Esso Oil refinery (below Tank 281)
(Fawley Refinery)

Deposit location

[c. SU 457 047 from map]

Deposit description

Peat layer 0.9-2.7 m thick, below silty clay, and above silty clay and silty sand. Peat is black and dark fibrous peat with decayed wood fragments, shells and traces of grey silty clay. Gradually thins out to east.

Deposit stratigraphy

Peat is on top of supposed Flandrian beach. Also, no barrier evidence, so likely to represent marine regression (or stand-still in water level rise) (between c.4500 and 3000 BP (Devoy, 1982)) rather than behind-barrier deposition.

Associated artefacts

Early work

Sample method

Depth of deposit

[c. -2 to 4 m OD from cross section].

¹⁴C ages available

No

Notes

Peat layer thought to be same bed as thickest and best developed (Bed F) (Hodson and West, 1972) at Fawley Power Station dated to approx 3600 years BP (Godwin and Switzer, 1966).

Bibliographic reference

Barton, M. and Roche, M. 1984 'A geological appraisal of the site of the foundation failure of the giant oil tanks at Fawley, Hampshire', Quarterly Journal of Engineering Geology, 17, 307-318

Southampton Water, Hampshire

Record ID 76

Authors

Shore, T. and Elwes, J.

Year

1889

Location description

Southampton Docks

Deposit location

Deposit description

Submerged forest - tufa and peat below tidal mud.

Deposit stratigraphy

Associated artefacts

Stone hammer head (Neolithic) and worked bone in peat.

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Shore, T. and Elwes, J. 1889 'The new dock excavation at Southampton', Procedures of the Hampshire Field Club, 1(3), 43-56.

Southampton Water, Hampshire

Record ID 617

Authors

Anderson, F.

Year

1933

Location description

Southampton Docks

Deposit location

[c. SU 419 112]

Deposit description

Irregular masses of peat interbedded with and/or underlain by calcareous clay or marl. Plant remains include oak, hazel (including lots of nuts) and birch.

Deposit stratigraphy

Associated artefacts

Bos primigenius vertebra from the culvert peat.

Early work

Sample method

Culvert excavation.

Depth of deposit

14C ages available

No

Notes

Relcaimed land. Freshwater molluscs in the marl are described by Kemp 1889.

Bibliographic reference

Anderson, F. 1933 'The new docks excavations, Southampton', Papers and Proceedings of Hampshire Field Club, 12, 169-176.

Southampton Water, Hampshire

Record ID 618

Authors

Everard, C.

Year

1954

Location description

Ashlett (near Fawley)

Deposit location

[c. SU 478 023]

Deposit description

Peat bed.

Deposit stratigraphy

Unusually, it does not rest on a gravel bed.

Associated artefacts

Early work

Sample method

Shallow borings.

Depth of deposit

Between -9' to -12 ft [-2.74 to -3.66 m] OD
(Liverpool)

14C ages available

No

Notes

Subsite details

ID 237

Location

Depth

Description

Bibliographic reference

Everard, C. 1954 'Submerged gravel and peat in Southampton Water', Papers and Proceedings of Hampshire Field Club, 18, 263-285.

Southsea, Hampshire

Record ID 8

Authors

White, H.

Year

1915

Location description

Deposit location

Deposit description

Submerged forest

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

White, H. 1915 'The geology of the country near Lymington and Portsmouth', Memoir of the Geological Survey of Great Britain, .

Southsea, Hampshire

Record ID 9

Authors

Mottershead, D.

Year

1976

Location description

Deposit location

Deposit description

Much of east Southsea was a large peat bog - "Great Morass" until largescale reclamation in 19th century. Canoe Lake is the sole surviving remant.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Mottershead, D. 1976 'The Quaternary history of the Portsmouth region', Portsmouth Geographical Essays, 2, 1-21.

Southsea, Hampshire

Record ID 10

Authors

Hopson, P.

Year

1999

Location description

Deposit location

SZ 647 987

Deposit description

Three small areas of peat in Southsea associated with estuarine alluvium in the area 'Great Morass' - area of peaty fen once isolated from the sea by a shingle bar, now built over.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Hopson, P. 1999 'Geology of the Fareham and Portsmouth District', Sheet description for the BGS survey 1:50,000 series sheet 316 and the mainland portion of sheet 331 (England and Wales), .

Southsea, Hampshire

Record ID 11

Authors

Mottershead, D.

Year

1976

Location description

Off South Parade Pier

Deposit location

Deposit description

Marine gravel overlying 2 m of peat.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Borehole C3/102

Depth of deposit

-3.46 m OD

¹⁴C ages available

No

Notes

Portsmouth City Engineers Office, referred to in Mottershead (1976)

Bibliographic reference

Mottershead, D. 1976 'The Quaternary history of the Portsmouth region', Portsmouth Geographical Essays, 2, 1-21.

Southsea, Hampshire

Record ID 12

Authors

Tebb, S.

Year

2005

Location description

Landward of Clarence Pier

Deposit location

Deposit description

Little Morass

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Used as part defence of fort.

Bibliographic reference

Tebb, S. 2005 'Pers. comm.', Portsmouth City Council, Structures, Maritime department.

Southsea, Hampshire

Record ID 13

Authors

Tebb, S.

Year

2005

Location description

Great Morass peat bed, extends offshore, under South Parade Pier

Deposit location

Deposit description

Very dry peat (floats on water) containing pine remains (species unknown) (in situ trunk?) in intertidal zone, below 2-3 m shingle. Rests on clay depression.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Series of boreholes taken along promenade.

Depth of deposit

¹⁴C ages available

No

Notes

Cores taken whilst investigating reasons for high bacteria levels in sea water -also dug trenches.

Bibliographic reference

Tebb, S. 2005 'Pers. comm.', Portsmouth City Council, Structures, Maritime department.

Southsea, Hampshire

Record ID 467

Authors

James, H.

Year

1847

Location description

Between Southsea Castle and Lump's Fort

Deposit location

Deposit description

Submerged forest resting on London clay.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Seen at low water.

¹⁴C ages available

No

Notes

Bibliographic reference

James, H. 1847 'On a section exposed by the excavation at the new steam basin in Portsmouth Dockyard', Quarterly Journal of the Geological Society of London, 3, 249-251.

Spithead, Hampshire

Record ID 163

Authors

Godwin, H.

Year

1943

Location description

Deposit location

Deposit description

Submerged peat bed.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Found when boring for Horse Sand Fort.

Depth of deposit

50 ft [15.24 m] below high tide level

¹⁴C ages available

No

Notes

referred to in Godwin (1943)

Bibliographic reference

Godwin, H. 1943 ' peat beds of the British Isles and North Sea', Journal of Ecology, 31, 199-247.

Stansore Point, Hampshire

Record ID 188

Authors

Tomalin, D.

Year

2000b

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Referred to in Tomalin (2000b).

Bibliographic reference

Tomalin, D. 2000b 'Wisdom of hindsight: palaeoenvironmental and archaeological evidence of long-term processual changes and coastline sustainability', Proceedings in Marine Science, 1, 71-83.

Stansore Point, Hampshire

Record ID 622

Authors

Long, A. and Tooley, M.

Year

1995

Location description

Deposit location

SZ 4627 9872 (Core C+1).

Deposit description

Up to three freshwater peat beds intercalated with marine/brackish clays, silts and sands. Occasionally an additional upper peat bed is also encountered.

Deposit stratigraphy

Gravel or sand at base of most cores.

Associated artefacts

Early work

Sample method

Depth of deposit

¹⁴C ages available

Yes

Notes

Diatom analysis on clays. Pollen on peats.

Subsite details

ID 238

Location

SZ 4627 9872

Depth

Varies between -4.61 and -4.13 m OD.

Description

Lowest of the three main peat beds. Core C+1. Dark brown/black well humified peat. Some detrital wood.

ID 239

Location

SZ 4627 9872

Depth

Between -3.77 and -1.50 m OD.

Description

Middle of the three main peat beds. Core C+1. Most continuous and widespread peat.

ID 240

Location

SZ 4627 9872

Depth

Lower contact -0.68 m OD; upper contact -0.52 m OD.

Description

Upper of the three main peat beds. Core C+1.

ID 241

Location

SZ 4627 9872

Depth

+0.80 m OD.

Description

Occasional upper thin peat bed 2 cm thick. Core C+1.

14C details

ID 465

Laboratory code Hv17322

Sample location

SZ 4627 9872

Depth of sample

-4.58 to -4.63 m OD

Dated sample description

Base of lower peat. Dark brown herbaceous detritus.

Age (uncal)

5565 ± 130

Age (cal)

6747-5937 cal. year BP
(2 sigma)

Delta 13C

Notes

Core C+1. Regressive overlap.

ID 466 **Laboratory code** Hv17323

Sample location	Depth of sample	Dated sample description
SZ 4627 9872	-4.13 to -4.17 m OD herbaceous detritus.	Top of lower peat. Dark brown

Age (uncal)	Age (cal)	Delta 13C
5600 ± 180	6841-5952	

Notes

Core C+1. Transgressive overlap.

ID 467 **Laboratory code** Hv17324

Sample location	Depth of sample	Dated sample description
SZ 4627 9872	-3.74 to -3.77 m OD.	Base of middle peat. Brown humous material with herbaceous detritus.

Age (uncal)	Age (cal)	Delta 13C
5320 ± 200	6490-5648	

Notes

Core C+1. Regressive overlap.

ID 468 **Laboratory code** Hv17325

Sample location	Depth of sample	Dated sample description
SZ 4627 9872	-1.50 to -1.55 m OD.	Top of middle peat. Dark brown, well humified monocot peat.

Age (uncal)	Age (cal)	Delta 13C
3570 ± 105	4143-3583	

Notes

Core C+1. Transgressive overlap.

ID 469

Laboratory code Hv17326

Sample location

SZ 4627 9872

Depth of sample

-0.64 to -0.68 m OD

Dated sample description

Base of upper peat. Dark brown, well humified monocot peat.

Age (uncal)

2350 ± 110

Age (cal)

2740-2114

Delta 13C

Notes

Core C+1. Regressive overlap.

ID 470

Laboratory code Hv17327

Sample location

SZ 4627 9872

Depth of sample

-0.52 to -0.56 m OD

Dated sample description

Top of middle peat. Dark brown well humified monocot peat.

Age (uncal)

2480 ± 75

Age (cal)

2753-2343

Delta 13C

Notes

Core C+1. Transgressive overlap.

Bibliographic reference

Long, A. and Tooley, M. 1995 'Holocene sea-level and crustal movements in Hampshire and southeast England, United Kingdom', Journal of Research, Special issue 17, 299-310.

Stokes Bay (Gosport), Hampshire

Record ID 23

Authors

Fisher, O.

Year

1862

Location description

Deposit location

Deposit description

Intertidal submerged forest.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Also mentioned in SCOPAC (2005).

Bibliographic reference

Fisher, O. 1862 'On the Bracklesham Beds of the Isle of Wight Basin', Quarterly Journal of the Geological Society of London, 18, 65-94.

Stone Point (Solent), Hampshire

Record ID 52

Authors

West, R.

Year

1987

Location description

Deposit location

Deposit description

Estuarine organic clay sediments on foreshore containing layers of more organic sediment (Phragmites peat 2-24 cm thick).

Deposit stratigraphy

Associated artefacts

Early work

First identified Reid (1893)

Sample method

Depth of deposit

Below sea level

¹⁴C ages available

No

Notes

Also see West and Sparks (1960), Brown et al. (1975), Palmer and Cooke (1923), Green and Keen (1987). Localised nature of layer suggests presence in a depression cut in Tertiary deposits.

Bibliographic reference

West, R. 1987 'Interglacial deposits at Stone Point: the 1960 investigation' in 'Wessex and the Isle of Wight field guide', (ed.s) Barber, K., 15-16, Quaternary Research Association.

Stone Point (Solent), Hampshire

Record ID 459

Authors

Brown, R., Gilbertson, D., Green, C. and Keen, D.

Year

1975

Location description

Deposit location

SZ 457 984

Deposit description

Estuarine clays interbedded with Phragmites peat (except A - freshwater). Up to four peat layers, no more than 2.2 m thick. Two foreshore outcrops at time of study (different to that recorded by West and Sparks (1960).

Deposit stratigraphy

Sandwiched between two gravel units thought to be of fluvial origin.

Associated artefacts

A tibia of *Dama dama* in an associated clay.

Early work

Sample method

Depth of deposit

c. 0 m OD (dips towards the sea).

¹⁴C ages available

No

Notes

Organic deposits accumulated during the Ipswichian (pollen by West and Sparks, 1960).

Bibliographic reference

Brown, R., Gilbertson, D., Green, C. and Keen, D. 1975 'Stratigraphy and environmental significance of Pleistocene deposits at Stone, Hampshire', Proceedings of the Geologists Association, 86(3), 349-363.

Tanners Hard/Pitts Deep, Hampshire

Record ID 600

Authors

Sparks, B., Momber, G. and Satchell, J.

Year

2001b

Location description

Deposit location

[Between SZ 376 957 and [?]SZ 364 952]

Deposit description

Extensive peat bed. Seaward edge was a cliff c. 0.5 m high. Lumps of eroded peat on seabed.

Deposit stratigraphy

Peat rested on clay layer.

Associated artefacts

Early work

Sample method

Diving survey in 1999.

Depth of deposit

c. -2 m OD

¹⁴C ages available

No

Notes

Subsite details

ID 216

Location

South of Pitts Deep

Depth

Between -3.7 and -4.1 m OD.

Description

Cliff > 1 m in height marked southern limit of peat shelf. Peat was on top of clay. Foot of cliff also peat.

Bibliographic reference

Sparks, B., Momber, G. and Satchell, J. 2001b 'Discovered after 6,000 years and open for investigation' in 'A decade of diving, delving and disseminating', (ed.s) Sparks, B., Momber, G. and Satchell, J., 61-64.

Tanners Hard/Pitts Deep, Hampshire

Record ID 602

Authors

HWTMA

Year

2002

Location description

South of Tanners Hard

Deposit location

Deposit description

Areas of peat and submerged forest. At foot of submerged peat cliff (1.6 m high) is another peat deposit.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

As part of SolMAP 2001.

Depth of deposit

c. -4 m OD (Upper Peat) and -5.5 to -6 m OD (Lower Peat).

¹⁴C ages available

Yes

Notes

Pg 6.

¹⁴C details

ID 456

Laboratory code

Sample location

South of Tanners Hard

Depth of sample

Base of Upper Peat.

Dated sample description

Age (uncal)

Age (cal)

6420-6190 cal. BP

Delta ¹³C

Notes

ID 457

Laboratory code

Sample location

South of Tanners Hard

Depth of sample

Base of Lower Peat.

Dated sample description

Age (uncal)

Age (cal)

7240-6890 cal. BP

Delta 13C

Notes

Bibliographic reference

HWTMA 2002 'Search: annual report 2001/2002'.

Western Docks, Hampshire

Record ID 77

Authors

Godwin, H. and Godwin, M.

Year

1940

Location description

Deposit location

Deposit description

Tree remains approx. 6500 years old

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Bibliographic reference

Godwin, H. and Godwin, M. 1940 'Submerged peat at Southampton: data for the study of postglacial history V', *New Phytologist*, 39, 303-307.

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