

Bouldnor, Isle of Wight

Record ID 2

Authors

Momber, G.

Year

2000

Location description

NW coast of Isle of Wight; NE of Yarmouth

Deposit location

Deposit description

4 m high underwater cliff; containing organic inclusions and laterally consistent peat layers. At base of cliff is submerged forest (tree boles and root systems); peat platform 20 x 1000 m. Oak wood and hazel nuts. Edge of peat platform is a 1.5 m drop.

Deposit stratigraphy

Silty clay cliff face, interspersed with peat seams. Shells and cobbles beyond peat platform, at -13 to -14 m OD.

Associated artefacts

Abundant lithics (flints); worked and burnt. Many had been excavated by lobsters i.e. unstratified.

Early work

First identified in 1976. Investigated again in 1985 by J. Cross.

Depth of deposit

-4.1 to -11.1 m OD

Sample method

Submarine monolith, gouge coring, diver inspection.

¹⁴C ages available

No

Notes

Only known submerged prehistoric primary site in British waters. Pollen study (Scaife, 1999) indicates 7500-7000 BP age.

Bibliographic reference

Momber, G. 2000 'Drowned and deserted: a submerged prehistoric landscape in the Solent, England', *The International Journal of Nautical Archaeology*, 29(1), 86-99.

Bouldnor, Isle of Wight

Record ID 3

Authors

Momber, G.

Year

2004

Location description

NW coast of Isle of Wight

Deposit location

Deposit description

Three peat layers, within unconsolidated, brackish alluvial sediments. Adjacent seabed is an expanse of peat and timber (tree trunks, boles and root systems), including oak and hazelnuts.

Deposit stratigraphy

Associated artefacts

Early work

First identified 1975 - fishermen dredged up timbers and peat.

Depth of deposit

Three peat outcrops at -4, -5 and -11 to -12 m OD

Sample method

Diving survey. Short cores.

Notes

Pollen by R. Scaife

¹⁴C ages available

Yes

¹⁴C details

ID 2 **Laboratory code** Beta-140102

Sample location **Depth of sample** **Dated sample description**
-4 m OD Base of upper peat

Age (uncal) **Age (cal)** **Delta 13C**
5580 ± 60 6475-6280 cal BP

Notes

ID 3 **Laboratory code** Beta-140103

Sample location **Depth of sample** **Dated sample description**
-5 m OD Base of middle peat
(Phragmites)

Age (uncal) **Age (cal)** **Delta 13C**
5870 ± 80 6870-6485 cal BP

Notes

ID 4 **Laboratory code** Beta-140104

Sample location **Depth of sample** **Dated sample description**
-11 to -12 m OD Base of lower peat (oak
root)

Age (uncal) **Age (cal)** **Delta 13C**
7640 ± 70 8565-8345 cal BP

Notes

Dendrochronology

ID 5

Laboratory code

Sample location

Depth of sample

Dated sample description

-11.5 m OD

Adjacent peat platform

Age (uncal)

Age (cal)

Delta 13C

7500-7000 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.

Bouldnor, Isle of Wight

Record ID 186

Authors

Tomalin, D.

Year

2000b

Location description

Cross Forest

Deposit location

Deposit description

Oak and pine submerged forest, 300 m offshore. Tree boles, root systems and recumbent trunks.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Around -12 m OD

¹⁴C ages available

Yes

Notes

Possibly equated with conditions contemporary with the persistence of the land bridge between Bouldnor and Pitts deep.

¹⁴C details

ID 123

Laboratory code GU-5420

Sample location

Depth of sample

Dated sample description

Age (uncal)

Age (cal)

Delta ¹³C

6430-6120 calendar year BC

Notes

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.

River Yar, Isle of Wight

Record ID 183

Authors

Devoy, R.

Year

1972

Location description

Deposit location

Deposit description

Infilled channel of River Yar contains peats.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

Peats at -10.5, -8.6 and most significantly at -2.8 and -5.4 m OD.

14C ages available

No

Notes

Pollen analysis suggests Sub-Boreal for uppermost peat (alnus and phragmites).

Bibliographic reference

Devoy, R. 1972 'Environmental changes in the Solent area during the Flandrian', Unpublished undergraduate dissertation, Univeristy of Durham.

River Yar, Isle of Wight

Record ID 184

Authors

Nicholls, R.

Year

1987

Location description

Deposit location

SZ 353 895

Deposit description

Former channel of Western Yar infilled with gravel and up to 12 m of Flandrian deposits (silt, clay, peat).

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Boreholes

Depth of deposit

¹⁴C ages available

No

Notes

Boreholes on land?

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.

River Yar, Isle of Wight

Record ID 185

Authors

Devoy, R.

Year

1987

Location description

Deposit location

Deposit description

Clays and silts interspersed with 2-3 organic peat layers.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Boreholes

Depth of deposit

Peat layers between -5 to -10 m OD.

¹⁴C ages available

No

Notes

Bibliographic reference

Devoy, R. 1987 'The estuary of the Western Yar, Isle of Wight: sea-level changes in the Solent region' in 'Wessex and the Isle of Wight field guide', (ed.s) Barber, K., 115-122, Quaternary Research Association.

Ryde Pier, Isle of Wight

Record ID 566

Authors

Isle of Wight Times

Year

1884, 12 June

Location description

Deposit location

[c. SZ 593 933]

Deposit description

Submerged ancient trees.

Deposit stratigraphy

Trees embedded in stiff mud.

Associated artefacts

Early work

During construction of Ryde railway Pier.

Sample method

Depth of deposit

8-10 ft [2.44 to 3.05 m] below the surface.

¹⁴C ages available

No

Notes

Referenced in Tomalin et al 2006/7.

Bibliographic reference

Isle of Wight Times 1884, 12 June 'Alterations to Ryde Pier', The Isle of Wight Times, , 5.

Werrar, Isle of Wight

Record ID 659

Authors

Poole, H.

Year

1936

Location description

Western bank of Medina River

Deposit location

Deposit description

Old land surface, with roots and stools of trees. Within intertidal saltmarsh.

Deposit stratigraphy

Associated artefacts

Lithics and a hearth

Early work

Sample method

Depth of deposit

Intertidal (7-8 feet [2.13 to 2.44 m] below high water mark).

¹⁴C ages available

No

Notes

Pgs 562, 569. (Referred to in the Solent-Thames archaeological research framework, IOW document).

Bibliographic reference

Poole, H. 1936 'An outline of the Mesolithic flint cultures of the Isle of Wight', Proceedings of the Isle of Wight Natural History and Archaeological Society, 2, 551-581.

Western Yar, Isle of Wight

Record ID 619

Authors

Scaife, R.

Year

1987

Location description

Between Chilton Chine and Compton Bay/Shippards Chine

Deposit location

Between SZ 407 823 and SZ 378 841.

Deposit description

Cliff exposure of intercalated peats. 'Noah's nuts' (hazelnuts) found in these deposits.

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Also mentions peat at Freshwater Gate (SZ 347 859) exposed during construction works - a few metres below ground surface.

Bibliographic reference

Scaife, R. 1987 'The late-Devensian and Flandrian vegetation of the Isle of Wight' in 'Wessex and the Isle of Wight Field Guide', (ed.s) Barber, K., , QRA Fieldguide.

Wootton Quarr, Isle of Wight

Record ID 26

Authors

Hillam, J.

Year

1994

Location description

Deposit location

Deposit description

Intertidal submerged forest

Deposit stratigraphy

Associated artefacts

Early work

Sample method

Depth of deposit

14C ages available

Yes

Notes

14C details

ID 10

Laboratory code

Sample location

Depth of sample

Dated sample description

Age (uncal)

Age (cal)

Delta 13C

3463-2694 BC

Notes

Bibliographic reference

Hillam, J. 1994 'The dating of oak timbers from the Wootton Quarr survey, Isle of Wight', Unpublished report (10/1994), English Heritage Ancient Monuments Laboratory.

Wootton Quarr, Isle of Wight

Record ID 27

Authors

Tomalin, D.

Year

2000b

Location description

Deposit location

Deposit description

Coastal peat, submerged land surface. 58 oak trees sampled. Peat 150 mm thick.

Deposit stratigraphy

Associated artefacts

Also intertidal structures (trackways, stakes) (Tomalin, 2000c).

Early work

Sample method

Depth of deposit

Traced to -2.9 m OD. Palaeo land surface possibly reaches -9 m OD

¹⁴C ages available

Yes

Notes

[Hillam in prep, referred to in Tomalin (2000b)]

14C details

ID 11

Laboratory code

Sample location

Depth of sample

Dated sample description

Intertidal forest

Age (uncal)

Age (cal)

Delta 13C

3463-2557 BC

Notes

Dendrochronology (Hillam, in prep)

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.

Wootton Quarr, Isle of Wight

Record ID 28

Authors

Loader, R. Westmore, I. and Tomalin, D.

Year

1997

Location description

Deposit location

Deposit description

Deposit stratigraphy

Associated artefacts

160 ancient structures along 3km intertidal coast, incl. putative fish traps. Material from Mesolithic to post-Medieval.

Early work

Sample method

Depth of deposit

14C ages available

No

Notes

Wootton-Quarr archaeological survey

Bibliographic reference

Loader, R. Westmore, I. and Tomalin, D. 1997 'Time and Tide; an archaeological survey of the Wootton-Quarr coast', Isle of Wight Council, Newport.

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