

# Amble Bay, Northumberland

Record ID 390

## Authors

Shennan, I., Horton, B., Innes, J., Gehrels, R., Lloyd, McArthur, J. and Rutherford, M.

## Year

2000c

## Location description

Embayment between rocky headlands SE of Amble.

## Deposit location

## Deposit description

Thin well-humified surface peat with some herbaceous roots and wood fragments.

## Deposit stratigraphy

Peat overlies blue grey clay with organic lenses, grading down to sandy silt-clay with pebbles.

## Associated artefacts

## Early work

## Depth of deposit

Low in intertidal zone.

## Sample method

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

Yes

## Notes

Some peat loss from erosion.

## 14C details

ID 257

Laboratory code AA23892

Sample location	Depth of sample	Dated sample description
NU 2830 0380	+0.44 m OD	
Age (uncal)	Age (cal)	Delta 13C
6870 ± 60 (1 sigma)	7647-7770 cal. yr BP	-28.3

## Notes

Core AB96/2. Positive sea level tendency.

## Bibliographic reference

Shennan, I., Horton, B., Innes, J., Gehrels, R., Lloyd, McArthur, J. and Rutherford, M. 2000c 'Late Quaternary sea-level changes, crustal movements and coastal evolution in Northumberland', *Journal of Quaternary Science*, 15(3), 215-237.

# Cresswell, Northumberland

**Record ID** 386

**Authors**

Shennan, I., Horton, B., Innes, J., Gehrels, R., Lloyd, McArthur, J. and Rutherford, M.

**Year**

2000c

**Location description**

**Deposit location**

NZ 2935 9385

**Deposit description**

High in intertidal zone: peat deposit containing large tree stumps. Exposed where sand dunes recently eroded. Up to 20 cm thick.

**Deposit stratigraphy**

Peat is on top of sandy grey clay. All on top of weathered till (stiff grey clay).

**Associated artefacts**

**Early work**

**Sample method**

**Depth of deposit**

**14C ages available**

Yes

**Notes**

Freshwater diatoms from the lower profile. Deposit cannot be related to a former sea level, as no evidence of saltmarsh conditions. Core CR95/1.

## 14C details

ID 251

Laboratory code UB-3907

Sample location	Depth of sample	Dated sample description
	3.02 m OD	Base of peat.
Age (uncal)	Age (cal)	Delta 13C
3511 ± 38 (1 sigma)	3771-3876 yr cal. BP	-29.1

## Notes

'Limiting' age (i.e. not positive or negative sea-level tendency). Core CR95/1.

## Bibliographic reference

Shennan, I., Horton, B., Innes, J., Gehrels, R., Lloyd, McArthur, J. and Rutherford, M. 2000c 'Late Quaternary sea-level changes, crustal movements and coastal evolution in Northumberland', *Journal of Quaternary Science*, 15(3), 215-237.

# Cresswell Pond, Northumberland

Record ID 387

## Authors

Shennan, I., Horton, B., Innes, J., Gehrels, R., Lloyd, McArthur, J. and Rutherford, M.

## Year

2000c

## Location description

## Deposit location

NZ 2831 9457

## Deposit description

Complex sequence of organic and clastic sediments in intertidal zone, exposed after erosion from storm damage. Bed of well-humified peat containing wood remains e.g. rooted stumps exposed low down on the beach.

## Deposit stratigraphy

## Associated artefacts

## Early work

## Sample method

## Depth of deposit

## 14C ages available

Yes

## Notes

## 14C details

ID 252

Laboratory code UB-3906

## Sample location

## Depth of sample

## Dated sample description

+1.44 m OD

## Age (uncal)

3405 ± 43 (1 sigma)

## Age (cal)

3812-3634 cal. yr BP

## Delta 13C

-29.5

## Notes

Core CP95/11. Positive sea level tendency.

**ID** 253

**Laboratory code** UB-3905

**Sample location**

**Depth of sample**

**Dated sample description**

+1.74 m OD

**Age (uncal)**

2656 ± 56 (1 sigma)

**Age (cal)**

2856-2758 cal. yr BP

**Delta 13C**

-28.3

**Notes**

Core CP95/6. ±sea level tendency.

**ID** 254

**Laboratory code** UB-3904

**Sample location**

**Depth of sample**

**Dated sample description**

+1.97 m OD

**Age (uncal)**

3359 ± 40 (1 sigma)

**Age (cal)**

3689-3606 cal. yr BP

**Delta 13C**

-28.4

**Notes**

Core CP95/7. Positive sea level tendency.

**ID** 255

**Laboratory code** AA24217

**Sample location**

**Depth of sample**

**Dated sample description**

+0.39 m OD

**Age (uncal)**

6525 ± 55 (1 sigma)

**Age (cal)**

7518-7278 cal. yr BP

**Delta 13C**

-29.6

**Notes**

Core CP95/8. Negative sea level tendency.

ID 256

Laboratory code AA22663

**Sample location**

**Depth of sample**

**Dated sample description**

+1.52 m OD

**Age (uncal)**

**Age (cal)**

**Delta 13C**

3280 ± 45 (1 sigma)

3624-3471 cal. yr BP

-29.6

**Notes**

Core CP95/R1. ±ve sea-level tendency.

**Bibliographic reference**

Shennan, I., Horton, B., Innes, J., Gehrels, R., Lloyd, McArthur, J. and Rutherford, M. 2000c 'Late Quaternary sea-level changes, crustal movements and coastal evolution in Northumberland', *Journal of Quaternary Science*, 15(3), 215-237.

# Hauxley, Northumberland

**Record ID** 606

**Authors**

Fowler, A.

**Year**

1936

**Location description**

Between Hauxley and Elm Bush.

**Deposit location**

[c. NU 288 024]

**Deposit description**

Submerged forest exposed on the coast.

**Deposit stratigraphy**

**Associated artefacts**

**Early work**

**Sample method**

**Depth of deposit**

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

No

**Notes**

Continuation of peat sometimes seen off Durham coast.

**Subsite details**

**ID** 217

**Location**

**Depth**

Above high water mark.

**Description**

Present in the cliff - 2.5' [0.76 m] thick layer of peat containing twigs and stems. Peat underlies blown sand, and overlies 3' [0.91 m] of clay.



**ID** 218

**Location**

Just south of the cliff exposure.

**Depth**

Between tide marks.

**Description**

Forest bed.

**Bibliographic reference**

Fowler, A. 1936 'Geology of Country around Rothbury, Amble and Ashington', Memoir of the Geological Survey of England and Wales, , 135.

# Howick, Northumberland

**Record ID** 609

**Authors**

Carruthers, R.

**Year**

1930

**Location description**

On the Howick coast

**Deposit location**

[c. NU 263 175]

**Deposit description**

Submerged forest between tide marks. 'Peaty clay'. Evidence of oak, fir, alder and hazel trees.

**Deposit stratigraphy**

**Associated artefacts**

**Early work**

**Sample method**

**Depth of deposit**

**14C ages available**

No

**Notes**

**Bibliographic reference**

Carruthers, R. 1930 'Geology of the Alnwick district', Memoir of the Geological Survey of England and Wales, , 105.

# Newbiggin, Northumberland

**Record ID** 608

**Authors**

Fowler, A.

**Year**

1936

**Location description**

At mouth of Lynn [Lyne?] Burn, 2 miles north of Newbiggin

**Deposit location**

[c. NZ 304 906]

**Deposit description**

Peat beds above the bouldor clay and beneath the dunes.

**Deposit stratigraphy**

**Associated artefacts**

**Early work**

**Sample method**

**Depth of deposit**

**14C ages available**

No

**Notes**

**Bibliographic reference**

Fowler, A. 1936 'Geology of Country around Rothbury, Amble and Ashington', Memoir of the Geological Survey of England and Wales, , 135.

# Northumberland coast, Northumberland

Record ID 266

## Authors

Howes, R.

## Year

1864

## Location description

## Deposit location

## Deposit description

Beds of peat and submarine forests with fossil remains of oak, alder, mountain-birch and hazel.

## Deposit stratigraphy

## Associated artefacts

Horns of *Cervus alces* and *Cervus elaphus*, *Bos primigenius* etc.

## Early work

## Sample method

## Depth of deposit

## 14C ages available

No

## Notes

## Bibliographic reference

Howes, R. 1864 'On the glaciation of the counties of Durham and Northumberland', Transactions of the North of England Institute of Mining and Mechanical Engineers, XIII May.

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