Supplementary material table. Published radiocarbon results from other palaeoenvironmental sequences in the study area. These data have not been subject to analysis in this paper because no elm decline is clear in the sequence.

| Laboratory no. | Dated material, sample depth, association with elm decline, and reference. |
| --- | --- |
| **North Gill 2 (no elm decline apparent in sequence)** |
| GU-1071 | Peat; 32cm deep, Innes 1981; Turner et al. 1993. | 5210±75 |
| GU-1073 | Peat; 42cm deep, Turner et al. 1993. | 5220±75 |
| GU-1072 | Peat; 60cm deep, Turner et al. 1993. | 5945±90 |
| **Askham Bog (no elm decline apparent in sequence)** |
| OxA-8250 | “bulk" peat; 24cm deep, Gearey and Lillie 1999. | 4185±40 |
| OxA-8251 | “bulk" peat; 56cm deep, Gearey and Lillie 1999. | 895±35 |
| OxA-8252 | “bulk" peat; 58cm deep, Gearey and Lillie 1999. | 3465±45 |
| OxA-8253 | “bulk" peat; 58cm deep, Gearey and Lillie 1999.  | 920±35 |
| OxA-8254 | “bulk" peat; 60cm deep, Gearey and Lillie 1999.  | 118.5±0.5% |
| OxA-8255 | “bulk" peat; 112cm deep, Gearey and Lillie 1999.  | 5285±50 |
| OxA-8256 | “bulk" peat; 136cm deep, Gearey and Lillie 1999. | 6310±45 |
| OxA-8257 | “bulk" peat; 144cm deep, Gearey and Lillie 1999. | 6350±50 |
| OxA-8258 | “bulk" peat; 152cm deep, Gearey and Lillie 1999. | 6770±50 |
| OxA-8259 | “bulk" peat; 168cm deep, Gearey and Lillie 1999. | 7175±50 |
| OxA-8260 | “bulk" peat; 200cm deep, Gearey and Lillie 1999.  | 7720±50 |
| OxA-8261 | “bulk" peat; 296cm deep, Gearey and Lillie 1999.  | 8605±50 |
| OxA-8262 | “bulk" peat; 323cm deep, Gearey and Lillie 1999.  | 9150±55 |
| **Barrow Haven (no elm decline apparent in sequence)** |
| SRR-1374 | amorphous peat; 143-8cm deep; Long et. al. 1998. | 2325±60 |
| SRR-4897 | amorphous peat; 177-9cm deep; Long et. al. 1998. | 2040±40 |
| SRR-1373 | amorphous peat; 207-9cm deep; Long et. al. 1998. | 1080±40 |
| **Cess Dell (clearance indicators at 124.5-126.5cm deep — increase in grasses and cereal-type pollen — elm decline not clear)** |
| AA-30876 | Woody peat; 124.5-6.5cm deep; Tweddle 2000; Tweddle et al. 2005. | 6105±65 |
| AA-30875 | Woody peat; 168.5-70.5cm deep; Tweddle 2000; Tweddle et al. 2005. | 6500±65 |
| AA-30874 | Herb peat; 265.5-7.5cm deep; Tweddle 2000; Tweddle et al. 2005. | 7045±70 |
| AA-30873 | Organic detrital mud; 295.5-7.5cm deep; Tweddle 2000; Tweddle et al. 2005. | 7830±60 |
| AA-30872 | Organic detrital mud; 343.5-5.5cm deep; Tweddle 2000; Tweddle et al. 2005. | 8720±75 |
| AA-30871 | Organic detrital mud; 373.5-5.5 cm deep; Tweddle 2000; Tweddle et al. 2005. | 9300±65 |
| AA-30870 | Organic detrital mud; 391.5-3.5cm deep; Tweddle 2000; Tweddle et al. 2005. | 9490±70 |
| AA-30877 | Organic detrital mud; 404.5-6.5 cm deep; Tweddle 2000; Tweddle et al. 2005. | 9360±70 |
| AA-30869 | Organic detrital mud; 422.5-4.5 cm deep; Tweddle 2000; Tweddle et al. 2005. | 10440±95 |
| **East Clough Haven (no elm decline apparent in sequence)** |
| SRR-4748 | clayey peat; 34-6cm deep; Long et. al. 1998. | 3640±45 |
| SRR-4749 | Humified peat; 56-8cm deep; Long et. al. 1998. | 3770±45 |
| **Kilnsea Warren Haven (no elm decline apparent in sequence)** |
| UB-3901 | Clayey peat; 119-22cm deep; Long et. al. 1998. | 4384±54 |
| UB-3900 | Clayey peat; 129-32cm deep; Long et. al. 1998. | 4562±59 |
| **Sandholme Lodge (no elm decline apparent in sequence)** |
| SRR-4743 | Amorphous peat; 178-82cm deep; Long et al. 1998. | 4170±45 |
| SRR-4894 | Amorphous peat; 335-9cm deep; Long et al. 1998. | 5615±45 |
| **Newton Marsh Tetney (no elm decline apparent in sequence)** |
| RCD-1598 | Tufa peat; 96-8cm deep; Long et. al. 1998. | 2840±60 |
| **Sproatley Bog (no elm decline apparent in sequence)** |
| AA-30886 | Organic detrital mud; 150.5-2.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 2610±50 |
| AA-30888 | Organic detrital mud; 150.5-2.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 1210±40 |
| AA-30885 | Herb peat with wood fragments; 178.5-80.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 6650±65 |
| AA-30887 | Organic detrital mud; 178.5-80.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 1470±40 |
| AA-30884 | Herb peat with wood fragments; 270.5-2.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 8090±75 |
| AA-30883 | Organic detrital mud; 313.5-5.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 8975±75 |
| AA-30882 | Organic detrital mud; 332.5-4.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 9290±70 |
| AA-30881 | Organic detrital mud; 345.5-7.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 9510±120 |
| AA-30880 | Organic detrital mud; 355.5-7.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 9680±80 |
| AA-30879 | Organic detrital mud; 370.5-2.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 9250±100 |
| AA-30878 | Organic detrital mud; 388.5-90.5 cm deep; Tweddle 2000; Tweddle et al 2005. | 9570±75 |
| **Union Dock, Grimsby (no elm decline apparent in sequence)** |
| SRR-4744 | Amorphous peat; 768-70cm deep; Long et. al. 1989. | 5665±45 |
| SRR-4745 | Amorphous peat; 778-80cm deep; Long et. al. 1989. | 5900±45 |
| SRR-4746 | Amorphous peat; 878-80cm deep; Long et. al. 1989. | 6645±45 |
| SRR-4747 | Amorphous peat; 891-3cm deep; Long et. al. 1989. | 8170±45 |
| **Willow Garth (no elm decline apparent in sequence**) |
| SRR-2665 | Gyttja; 8-10cm deep; Bush 1993. | 110±0.6% |
| SRR-2666 | Gyttja; 16-8cm deep; Bush 1993. | 700±50 |
| SRR-2667 | Gyttja; 26-8cm deep; Bush 1993. | 1170±50 |
| SRR-2668 | Gyttja; 36-8cm deep; Bush 1993. | 1300±50 |
| SRR-2669 | Gyttja; 46-8cm deep; Bush 1993. | 2120±50 |
| SRR-2670 | Moss peat; 58-61cm deep; Bush 1993. | 3970±50 |
| SRR-2671 | Moss peat; 78-81cm deep; Bush 1993. | 8290±80 |
| SRR-2672 | Moss peat; 94-7cm deep; Bush 1993. | 8910±80 |
| SRR-2673 | Moss peat; 102-5cm deep; Bush 1993. | 9380±80 |
| SRR-2674 | Moss peat; 115-8cm deep; Bush 1993. | 9460±80 |