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A synthesis of early and middle Holocene coastal changes in the western Belgian lowlands

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Introduction

The aim of this paper is to present a broad scheme of coastal evolution in the western part of the Belgian coastal plain throughout the Holocene (Fig. 1). Emphasis is put on the period prior to 6000 cal BP because this period shows major changes and illustrates the mechanism of infill of a tidal basin. Moreover, coastal evolution during this period apparently is not well understood in Belgium since in the literature it is frequently written that the coastal plain formed as from 5500 cal BP.

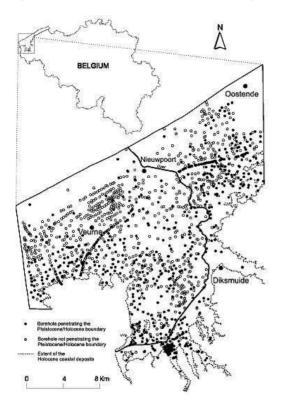


Figure 1. Map of the western coastal plain of Belgium with location of the boreholes.

² Since the beginning of the marine inundation of the area in the early Holocene, clastic tidal sediments and peat beds have accumulated. The Holocene sequence attains thicknesses of up to 25 m at the coast and thins to the south where Pleistocene deposits are outcropping (Fig. 2). The infill of the area and the associated coastal evolution will be discussed in relation to the controlling factors, i.e. the morphology of the Pleistocene surface prior to marine inundation, the rate of relative sea-level (RSL) rise, sediment supply and accommodation space (Baeteman, 1998, 1999; Beets *et al.*, 1992; Beets and van der Spek, 2000).

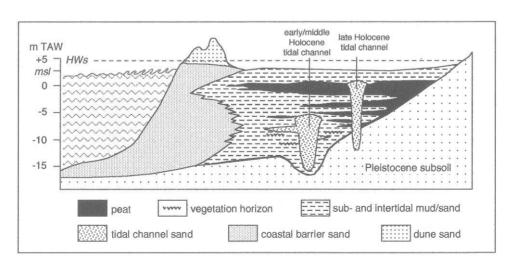


Figure 2. Schematic cross-section through the sedimentary sequence of the coastal Holocene.

³ This contribution summarizes the present knowledge on coastal evolution by means of palaeogeographical reconstructions and schematical cross-sections through the Holocene accumulation wedge at various times. This paper is concerned with large-scale development of coastal evolution and not with detailed reconstructions of the sedimentary infilling requiring much more detailed maps.

Study area

The study area is located in the western part of the coastal plain of Belgium (Fig. 1). The latter belongs to the lowlands of the southern North Sea extending from the cliffs of northern France to Denmark in the North. The coastal plain was created through embankment and is separated from the North Sea by a closed coastal barrier and seawalls. Its elevation varies from +2 to +5 m TAW, thus well below high water level (cf. Fig. 2) since the Belgian TAW datum refers to mean lowest low water spring which is about 2 m below mean sea level. The coast of the study area is presently characterized by a mean tidal range of 4.08 m, and a mean spring tidal range of 4.85 m (Van Cauwenberghe, 1993). In the west, the plain is drained by the IJzer, a small river which is canalized and flows into the North Sea at the town of Nieuwpoort (Fig. 1). The river, together with its tributaries, drains a small and relatively low-lying basin to the south and south-west of the coastal plain.

Previous work

- 5 Research on the Holocene sedimentary sequence in the Belgian plain began mainly with the Soil Survey (e.g. Tavernier, 1938; Ameryckx, 1959) describing only the late Holocene sediments and putting forward hypotheses about coastal evolution. The invalidity of the hypotheses has been argued in many publications (e.g. Baeteman, 1983, 1985, 1991, 1999; Denys, 1993; Ervynck *et al.*, 1999) and therefore will not be discussed here, although they still remain in the recent literature (e.g. Maréchal, 1992; De Moor and Pissart, 1992; Jacobs and De Ceukelaire, 2002).
- Baeteman (1981) provided a first attempt at palaeogeographic reconstructions, however on the basis of a sparse borehole coverage supported by few radiocarbon dates. Thanks to the ongoing systematic mapping and survey of temporary outcrops in the western coastal plain since the early 1980s, a rather extensive geological data set of Holocene deposits and radiocarbon dates is available. Besides, several cores of the data set were analysed for diatoms in great detail in order to permit environmental interpretation and sea-level research (Denys, 1985, 1990, 1991, 1993, 1994, 1995, 1999). De Ceunynck (1985) provided palynological data for the dune area in the very western part. This new data resulted in a better understanding of sedimentary environmental interpretation and depositional history of the coastal plain, chronology of the Holocene deposits and sea-level reconstruction (Baeteman, 1985, 1991, 1993, 1999; Baeteman *et al.*, 1999; Baeteman *et al.*, 2002; Baeteman and Denys, 1995; Denys and Baeteman, 1995; De Ceunynck and Denys, 1987).
- 7 Only recently have new palaeogeographi-cal reconstructions been presented, for example the extension of the tidal inundation for various time slices between 9450 and 6000 cal BP (Baeteman, 1999); four schematic palaeogeographic maps of respectively ca 5500-4000, ca

3000, ca 1500 cal BP and 7th-8th century AD (Ervynck *et al.*,1999) and a series of detailed palaeogeographical maps of the very western part of the plain (east of Veurne, Baeteman, 2001a).

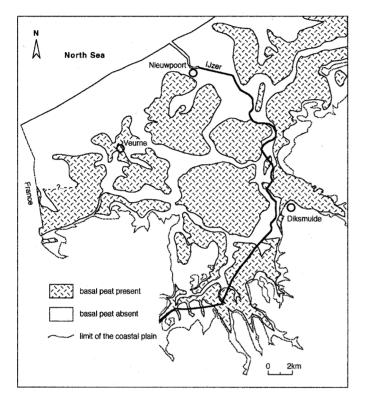
Database

- ⁸ The research methodology is based on core drilling supported by absolute age determination by radiocarbon. The data set consists of over 1150 boreholes carried out over the past 25 years in the framework of the systematic mapping of the coastal plain providing a good coverage of the area (Fig. 1). About 650 boreholes reach the Pleistocene/ Holocene boundary. As Fig. 1 demonstrates, there is a local paucity of borehole coverage along the coast because of the sand deposits of the coastal barrier. The poor distribution in the central part of the southern extension of the plain (WSW of Diksmuide) reflects the high position of the Pleistocene subsoil as inferred from the pedological map.
- ⁹ The boreholes were carried out using a hand-operated gouge auger giving undisturbed cores. About 100 boreholes were drilled mechanically covering the entire Quaternary sequence. In addition, several series of borings carried out by the Geotechnical Institute have been incorporated in the data set taking into account the lower quality of the stratigraphic data because the method of coring produced disturbed samples. The database of the Geological Survey was not used because of its low quality of sample description in that area and because most of the boreholes are too shallow.
- All sedimentary sequences were described and analysed using the same criteria for facies identification which is based on lithology, sedimentary structures and macro fossils. Diatom analyses of several cores (Denys, 1993) confirmed the field interpretation of the different facies units. The elevation of the handborings is inferred from the topographic map. All other boreholes together with those handborings sampled for age determination, were levelled to TAW.
- 140 radiocarbon dates from peat and shells were used for the palaeogeo-graphical reconstructions (Table 1). Most of the samples were analysed by the IRPA-laboratory and a few of them by the Antwerpen and Hannover Laboratories using the convential method referred to as IRPA, ANTW, Hv, respectively, and the AMS method referred to as UtC, KIA and NZA. All ages are quoted in calendar years before present (cal BP) with a two sigma age range. All dates are calibrated (Stuiver and Pearson, 1993; Stuiver and Reimer, 1993) taking into account a reservoir age of 400 ± 40 BP for the shells.

Methodology

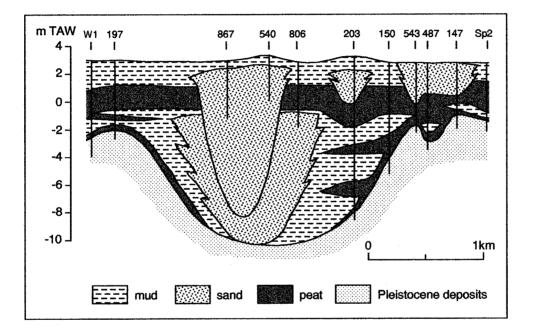
12 A prerequisite for the reconstruction of the Holocene palaeogeography is a reliable model of the original Pleistocene relief, i.e. the morphology of the pre-transgressional surface. It is against this surface that the surface indicating RSL at any particular time is intersected, so giving the form of the tidal basin (Brew *et al.*, 2000). The original Pleistocene relief is known when the basal peat is present (see Fig. 3), and in the areas along the landward limit of the coastal plain, where it is near to the present-day surface although basal peat never formed there just because the position of the Pleistocene subsoil is too high (see Fig. 2). Data for the original surface, however, is missing in the areas where late Holocene tidal channels eroded deeply and, in the seaward part, where in the middle Holocene, tidal scour removed most of the previously deposited Holocene sequence as well as the upper part of the Pleistocene deposits. Data is also missing at sites where the Holocene sequence is too thick or sandy and the Pleistocene/Holocene boundary is beyond hand auger reach. So for those areas, the original surface must be reconstructed. Figure 1 shows the borehole distribution with an indication of the known and unknown original surface (the boreholes from the Geotechnical Institute not penetrating the Pleistocene subsoil are not indicated).





Thus the reconstruction of the original surface is based partly on exact data, partly on 13 interpretation. Although the interpretation involves a certain measure of subjectivity (cf. Streif, 1998; Vos and Van Heeringen, 1997), certain points are taken into consideration from which data can be inferred indirectly. Boreholes with a thick Holocene sequence, but not yet reaching the Pleistocene/Holocene boundary, give information that the boundary is at least deeper than the depth of the borehole. Missing points were also inferred from borehole correlation in cross-sections. It has been observed that the late Holocene tidal channel incisions reoccupied the same location as the palaeovalleys (Baeteman, 1999) or older tidal channels (Baeteman et al., 1999). In some cases, the sedimentary record of the palaeovalley fill escaped from later erosion in restricted parts, providing valuable information about the existence of a valley in the original surface. Fig. 4 shows such an example of late Holocene channel incision (boreholes 867 and 540) in a palaeovalley fill leaving a small portion of the initial mud and peat layers (borehole 203). The remaining part of the palaeovalley was filled by sand of an early Holocene tidal channel, impossible to penetrate with the handauger. The palaeovalleys in the southern part of the plain in particular show such a favourable situation (Fig. 5). However, it is more a question of being lucky rather than the rule to find these «small portions» by means of boreholes and in many cases only sand-filled channels are found. In this case, the sedimentary record adjacent to the location of the late Holocene sand-filled channel must be analysed in detail. Sand deposits within a mud and peat sequence can represent sand flats, sand bars or crevasse splays which are associated with migrating tidal channels (Van der Spek and Beets, 1992; Cleveringa, 2000; Baeteman *et al.*, 1999). So the sand deposits indicate the proximity of an early and/or middle Holocene tidal channel which most of the time occupied a palaeovalley, thus indirectly indicating the presence of a deeper Pleistocene surface.

Figure 4. Cross-section through the palaeovalley east of Nieuwpoort showing a late Holocene tidal channel incision (boreholes 867 and 540) and a portion of the mud and peat palaeovalley fill (borehole 203) indicative for the existence of a depression in the pre-Holocene surface.



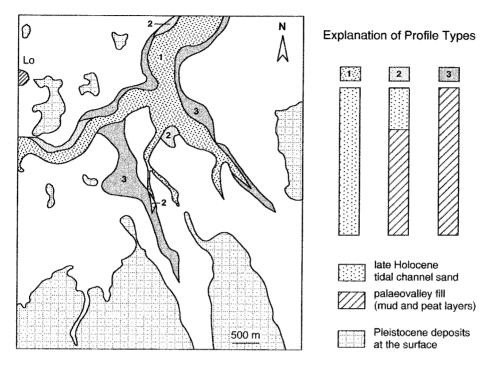
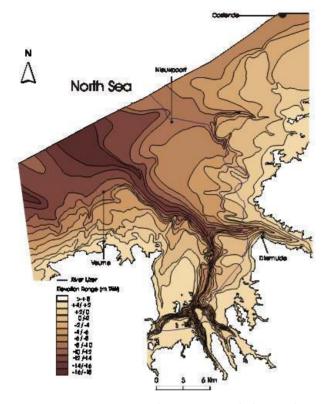


Figure 5. Simplified sequence map to illustrate a late Holocene channel incision (profile type 1 and 2) leaving a portion of the original palaeovalley fill in restricted zones (profile type 2 and 3).

REDRAWN FROM BAETEMAN (1999)

¹⁴ Because of these constraints, the isohypse map (Fig. 6) of the original Pleistocene relief has been constructed manually and not by geostatistical software. It is self-evident that in areas with a low coverage of known data points, the isohypse map is more schematic than in areas with a dense data set. The morphology of the pre-Holocene surface contrasts with the contour map showing the real top of the Pleistocene deposits previously published (Baeteman, 1993, 1999). Figure 6. Isohypse map of the pre-Holocene surface at a 2 m interval relative to TAW. Due to the (inevitable) vertical exaggeration the map gives a wrong impression of the relief of the river valleys. In reality, they are shallow with gentle slopes.



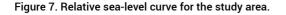
- The timing of the marine inundation is recorded from dating the basal peat. In general, the basal peat is formed due to the rising groundwater level which is dependent on sea level. The post-glacial RSL rise induced the groundwater level to rise and freshwater marshes developed with peat accumulation. However, as will be demonstrated at some locations, basal peat was formed independently from the contemporary position of the sea level under the influence of local hydrological conditions. The start of the basal peat corresponds approximately to local mean high-water level (Van de Plassche, 1982; Vos and van Heeringen, 1997). The basal peat is a time-transgressive unit shifting landward and upward with the rising sea level. Thus basal peat provides a time-depth relationship. Age and elevation of the basal peat are used to construct a curve of relative sea-level rise, which in turn can be used to infer the onset of basal peat formation. So where the basal peat is missing, the contour lines of the original Pleistocene surface have been used as guidelines for time boundaries on the basis of this time-depth relationship (Vos and van Heeringen, 1997).
- The contact of the basal peat with the overlying clastic unit used to construct the RSL curve, was only dated when it was not showing erosion or reworking as determined by diatom analysis (Denys, 1993; Denys and Baeteman, 1995). For the time-place estimate for the onset of marine inundation, dates of intercalated peat beds were not used because their original elevation altered due to consolidation and compaction. Only dates from sites where compaction is considered to be negligible, were used. On the other hand, the dates of the intercalated peat beds form the basis for the chronology of the sedimentary infilling of the area.

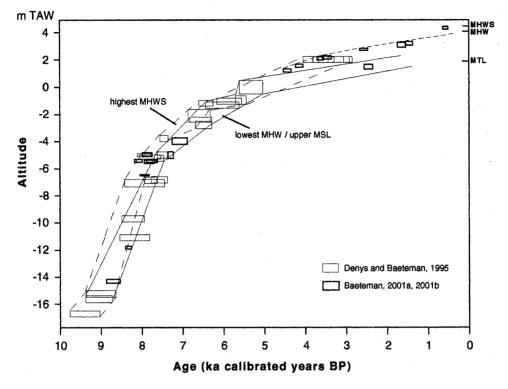
The development of the coastal plain

17 The development of a coastal plain is a function of the following factors: rate of relative sea-level rise, morphology of the flooded surface, sediment budget and accommodation space, the latter effected by sediment and peat compaction (Baeteman, 1998; Beets and van der Spek, 2000). During the infill of the area, initially caused by the RSL rise, the relative importance of the individual factors changes in the course of time.

Relative sea-level rise and sediment budget

- The RSL rise in the western part of the Belgian coastal plain is recorded as from ca. 9500 cal BP. This contrasts the general view in the literature where sea level starts to rise as from 5000 BP (ca. 5500 cal BP, e.g. Maréchal, 1992; Jacobs and De Ceukelaire, 2002). As will be discussed below, the depositional history of the area is mainly a function of changes in the rate of RSL rise.
- The sea-level curve generated for this area (Fig. 7, Denys and Baeteman, 1995; Baeteman 19 2001a, 2001b) shows that the rate of RSL rise prior to ca. 7500 cal BP was in the order of 7 m/ka. At this high rate, the area was flooded rapidly and tidal environments shifted landward towards a position close to the present-day limit of the coastal plain. The rapid RSL rise created plenty of accommodation space so that little to no erosion occurred. Since no lagoonal environments were ever encountered, but on the contrary, vegetation horizons originating on supratidal flats, it is assumed that supply of sediment was sufficient. This is in contrast with the situation in The Netherlands where sediment supply was insufficient to compensate for the accommodation space created by the rapid RSL rise (Beets and van der Spek, 2000). In Zeeland, on the other hand, intertidal and supratidal sediments of this period were found in many places in the tidal basin implying that sedimentation rate was able to keep up with RSL rise (Vos and van Heeringen, 1997). In the study area, sediment accumulation in an intertidal and supratidal environment kept pace with the rate of RSL rise and vertical sediment accretion was dominant for the period prior to ca. 7500 cal BP (Fig. 8). However, erosion did occur at the shoreface. At the onset of the RSL rise, most of the fluvial sediments were trapped within the estuary, reducing to nearly zero the volume of sand supplied to the adjacent shorelines (Allen and Posamentier, 1994). This resulted in coastal erosion by waves and a landward shift of the coastal barrier. The definition of a coastal barrier as described by Roy et al. (1995) will be used here, i.e. elongated, shore-parallel sand bodies, extending above sea level and consisting of a number of sandy lithofacies including beach, dune, shoreface, tidal delta, inlet and washovers. To clarify certain misconceptions, the presence of a coastal barrier does not necessarily imply the existence of well-developed aeolian deposits decorating the barrier.



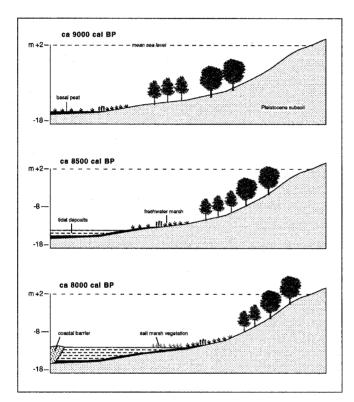


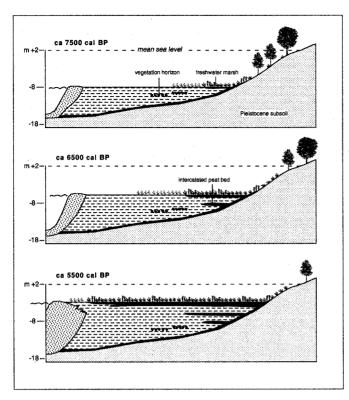
The 2 sigma standard deviations were used in constructing the error boxes. MHWS: mean high water spring tide, MSL: mean sea level, MTL: mean tide level.

FROM DENYS AND BAETEMAN, 1995, COMPLETED WITH DATA FROM BAETEMAN 2001A, 2001B.

The rate of RSL rise dropped to ca. 2.5 m/ka after about 7500 cal BP. Consequently, the 20 rapid landward shift of the tidal environments stopped and the position of the coastal barrier became more or less stable (Fig. 8). Sediment supply was now in balance with the accommodation space created by RSL rise. Periods of emergence lasted much longer and freshwater conditions prevailed for short periods (in the order of about 200 years, Baeteman et al., 1999). Salt marsh vegetation evolved into reed growth resulting in peat accumulation (Fig. 8). These freshwater marshes developed locally in the relatively higher silted-up areas which, for a certain time, were out of the reach of daily tidal flooding and consequently deprived of sediment. However, sand and mud accretion supplied by channels, continued in the nearby areas. When the latter were in turn silted up sufficiently high, meander cut-offs and crevasse splays resulted in a lateral shift of the position of the channel (Baeteman, 1998, 1999; Baeteman, et al., 1999). This happened during storm events when the water stored in the channel reached far above normal high-water level and produced ebb-flow accelerations during discharge (Cleveringa, 2000). Due to the lateral shift, the marsh area changed again into intertidal flat. The area abandoned by the channel, filled with sediment in a relatively short period (months to years, Oost and de Boer, 1994; van den Berg, 1982) and in turn evolved into salt marsh followed by freshwater marsh with peat accumulation. This process happened repeatedly and is the origin of the alternation of mud and peat beds in the sedimentary record. This sedimentary process is governed by the position of the tidal channels and thus by sediment budget and not by sea-level fluctuations such as Gullentops and Broothaers (1996) claimed in their sea-level curve whereby the sea level drops by about 1 m every time an intercalated peat bed occurs. This process, however, implies that the channel network is still migrating landwards, but at a reduced rate. The shift of the channels alternately serving and abandoning a particular part of the tidal flat continues only as long as new accommodation space is steadily being created by a sea-level rise, so that the entire channel network can continue to migrate landwards and upwards. Sediment supply must also balance the creation of accommodation space, otherwise silting up in the channel would not occur, nor would the flats silt up each time to the upper intertidal and supratidal level (Baeteman, 1999).

Figure 8. (2 figures) Schematical cross-sections from sea to land illustrating the vertical sediment accretion, the lateral expansion and the evolution of the various environments through time.





In order to simplify the evolution, a tidal channel is not incorporated. Note that the depth is relative to mean sea level and not to TAW.

- 21 In the period following the first substantial decrease in the rate of the RSL rise, the direct impact of the RSL rise is subordinate to the impact of sediment budget and the effect of local variations in the distribution of sediments.
- RSL rise continued to decrease to reach an average of 0.70 m/ka after ca. 5500-5000 cal BP. This is about the same average RSL rise as measured nowadays (Van Cauwenberge, 1993). From 5500-5000 cal BP, sea level has been close to its maximum and sediment supply has exceeded the creation of accommodation space. Landward migration of the tidal sedimentary environments has stopped completely, the stabilization of the shoreface has shifted to shoreface accretion and the shoreline has prograded beyond the present-day one (Fig. 8). Periods of peat growth have lasted longer and the lateral extension of the freshwater marshes has became more widespread. Between about 5500 and 4500 cal BP, almost the entire coastal plain was changed into a freshwater marsh with peat accumulation. In the very western and seaward parts of the study area, however, tidal sedimentation went on (Baeteman, 2001a). This peat accumulation which lasted almost 3000 years, could keep pace with the slow RSL rise. No substantial coastal changes are observed for that period. Traces of tidal influence in the thick peat bed in the landward areas (Denys, 1993) suggest that the major tidal channels remained open, although they mainly served as drainage for the peat swamp. Mud intercalations in the peat bed in the seaward areas originated from local floodings in different periods ranging between about 4000 and 2500 cal BP (Baeteman and Van Strydonck, 1989). Denys (1999) however, tends to interprete these local floodings as short periods of regional significant positive tendencies in the marine influence, at least those which occurred at about 4200 cal BP and 2100 cal BP. It is believed that the local floodings herald the end of the progradation and the re-entrance of the tidal system which led to the final fill of the plain

(Baeteman, 1999; Baeteman *et al.*, 1999). As mentioned above, this period will not be considered here. The mechanism and timing of the re-entrance of the tidal system is discussed in Baeteman *et al.* (2002) and is beyond the scope of this paper.

The pre-Holocene surface

The lithology of the Pleistocene substratum

23 The Pleistocene deposits in the western part of the coastal plain generally consist of clay, silt and fine sand of fluvial origin dating from the Late Pleistocene. In the seaward part, marine and coastal deposits from the Last Interglacial underlie the Holocene deposits, the fluvial portion being eroded during the middle and late Holocene (Baeteman, 1993). In the western part of the study area, the Pleistocene deposits, consisting most probably of slope deposits, are very thin and Tertiary deposits (Eocene, Kortrijk Formation, formely Ieper Clay, Jacobs and De Ceukelaire, 2002) are found in the shallow subsurface. In general, periglacial aeolian coversands from the Late Pleistocene are absent in this area.

The morphology of the flooded surface

- ²⁴ The landscape prior to marine flooding consisted of a drainage pattern of 4 relatively small and shallow rivers joining in the central part of the plain and forming a southeastnorthwest depression (Fig. 6). This depression is interpreted as a former palaeovalley of an ancient IJzer river. Note that in the coastal plain, the present-day course of the river is located outside the palaeovalley. The small southeast-northwest running valleys in the South reach a depth of about -8 m. The palaeovalley has a very gentle slope with depths of -12 m and -18 m in the central and seaward part, respectively. The relief of the pre-Holocene surface contrasts greatly between the western and eastern part. The eastern part has a flat morphology, while the slope is rather steep in the west. A low and small devide in the northwest separates the palaeovalley from an elongated depression. From the data available, it is difficult to ascertain whether this depression also belongs to a valley of an ancient river system, but the presence of basal peat indicates that the depression was not formed by tidal scour processes during the Holocene flooding.
- As will be shown in the palaeogeographical maps, the valleys and depression were important as conduits (in the form of tidal channels) for water and sediments of the Holocene flooding the area, and have had a significant control on the distribution of the sediments. The devide developed into a headland, but as it was low, it was eventually also flooded and the entire area was transformed into a tidal basin.

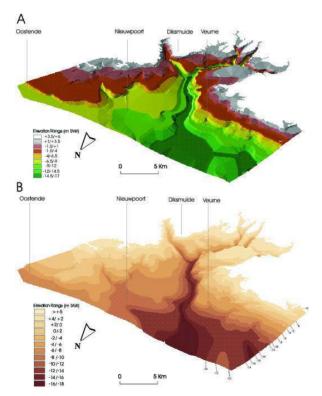
Elevation model of the pre-Holocene surface

To better visualize the relief of the palaeovalley, a 3-dimentional digital terrain model was constructed on the basis of the manually-made isohypse map. Following this, the isohypse map was geo-registered in a geographical information system (GIS) and the contour lines were digitized manually. Each polygon represents an elevation range (e.g. -2 to -4 m). A mean value was attributed to each polygon (e.g. -3 m) so that the entire surface of the polygon is fixed at the same elevation. As a result the surface appears as a staircase. This irregular surface made of polygons was then input into a TIN (Triangulated

Irregular Network). A TIN is an object used to represent a surface (Ianko, 2002). In this case, the TIN is similar to a DEM (Digital Elevation Model). Since representation of a surface can be done in different ways (e.g. Delaunay triangulation), TIN also implies a specific storage structure of surface data. TIN divides a surface into a set of contiguous, non-overlapping triangles. A height value is recorded for each triangle node. Heights between nodes can be interpolated thus allowing for the definition of a continuous surface. TIN can accommodate irregularly distributed as well as selective data sets. With this method it is possible to represent a complex and irregular surface with a small data set, which is the case here.

A network of triangles allows the staircase aspect to be eliminated and the elevation variation can then be represented in three dimensions in a GIS (Fig. 9a). Note that the vertical exaggeration is at least 50 (10 being generally the maximum admitted) due to the weak elevation difference between the highest and lowest point (weakness of gradient). Some artifacts result from the conversion into the TIN representation, such as the connection between the two depressions in the NW part. The depressions are actually quite distinct, but the size of the most western polygon, the distance between the two depressions, and the difference in elevation are all too small to completely separate them. So the algorithm behind the TIN links the two depressions and allocates the same value to the new unit. In the smoothed version (Fig. 9b), the vertical exaggeration is changed to 100 for a better visualization.

Figure 9. Three dimentional elevation model of the pre-Holocene surface. A: TIN representation; B: smoothed representation. The present-day coastline is the seaward boundary of the model.



Palaeogeographies of the IJzer tidal basin

- In this palaeogeographical study, the following environments have been used: tidal flat, tidal channel, coastal barrier and freshwater marshes or coastal peat bogs (cf. Fig. 8). The tidal flat as considered here, comprises subtidal shallow shoals, intertidal sandflats and mudflats, and supratidal salt marshes. Only the major tidal channels are represented.
- We are aware that their spatial and temporal distribution is far from complete. This would require an even denser boring grid and, moreover, the pattern would still not be realistic. In the reconstruction of the earliest stages of coastal evolution, the course of the tidal channels is chosen arbitrarily because of the scarcity of sufficiently deep boreholes. The reconstruction of the position of the coastal barriers in the present-day offshore area is impossible since they dissappeared as a result of erosion. Therefore, no attempt was made to show them on the maps for the early Holocene, which does not imply that they did not exist. For the younger time slices however, few data for the coastal barrier are available (for the area around Nieuwpoort and the western part of the study area, Baeteman, 1999; Baeteman, 2001a). However, the presence and position of the coastal barrier was also inferred from associated sedimentary environments, although the major part of the position is chosen arbitrarily. The present-day shoreline is shown on the maps for reference.
- ³⁰ This palaeogeography aims at a reconstruction of a large-scale pattern of coastal development, i.e. the progressive landward extention of the tidal basin in the course of time and the silting-up phases with peat accumulation. Therefore, short periods when tidal sedimentation prevailed, and which are recorded in the sedimentary sequence as an alternation of mud and peat, are not represented. Moreover, the presentation of the latter would require much more detailed maps.
- The different time slices are chosen according to the available radiocarbon dates and to the major changes in the coastal development. Where the density of data points is low, the reconstruction is more schematical. The borehole data and cross-sections which form the basis for the reconstructions, are not presented in this paper. The significant ones can be consulted in the papers mentioned above. The reconstructions for the western part are redrawn from Baeteman (2001a). The 14C dates are presented in Table 1 and the numbers in the text refer to the site numbers in the Table.

Table 1. Radiocarbon ages and calibration dates from the western coastal plain.

| Na | Ste | Sample attude m TAW | | Calibrated age yrs BP | Calibrated age 2 0 range | Dated material | Laboratory humber | Re |
|------------------|--|--|--|--|---|--|--|--|
| 1 | Schouderv let | -16.97 | 9940±110 | 11550 | 12100-11150 | base basal oeat | IRPA 680 | 3 |
| 2 | Schouderv let | -16.64 | 8440±130 | 9440 | 9781-9041 | top basal peat | IRPA 681 | 3 |
| 3 | Alaerts | -11.27 | 8250+95 | 9220 | 9442-8964 | top basal peat | IRPA 566 | 3 |
| 4 | Oostkerke | -15.60 | 81/0190 | 9010 | 9379-8733 | base basal ceat | IRPA 734 | 3 |
| | 2012 C 10 20 20 20 20 20 20 20 20 20 20 20 20 20 | | | | | | | |
| | Woestijn | -15.20 | 8120±100 | 8990 | 9370-8652 | top pasal peat | IRPA 616 | 3 |
| 3 | B53 | -14.21 | 8210±40 | 8700 | 8881-8550 | Cerastoderma | KIA 12252 | 7 |
| 81 | Sukerfabriek | -5.45 | 7760180 | 8491 | 8720-8350 | humic horizon | JtC 4173 | 5 |
| 5 | N. Gasthuis | -13.75 | 7620±90 | 8397 | 8621-8136 | base basal peat | IRPA 678 | 3 |
| | Kerkwijk | -11.70 | 7530±60 | 8356 | 8406-8277 | basal peat (mean) | JtC 8802 | 1 |
| 28.1 | | | | | | | | |
| 2 | 858 | -9 01 | 7835140 | 8315 | 8381-8173 | Scrobicularia | KIA 12253 | 1 |
| 1 | Veurne | -9.62 | /490±130 | 8260 | 8492-7967 | top basal peat | JtC 2625 | 1 |
| 2 | Moerno* | -11.02 | 7420±190 | 8160 | 8546-7820 | basal peat (mean) | JtC 2626 | 1 |
| 3 | Suikerfabriek | -5 25 | 7350145 | 8110 | 8180-8000 | base basal ceat | JtC 3732 | 5 |
| 4 | Orth Kerk | -5 23 | /230±85 | 8035 | 8164-/909 | base basal ceat | IRPA 533 | 3 |
| | bh 363 | -7 05/-6 95 | | 7974 | 8426-7472 | | Hv8797 | 1 |
| ē | | | 7171±275 | 4.500 65 | | basal peat (mean) | Arrest 28 (1993) (1 | |
| 3 | Westende 4 | -5 14/-5 19 | 7160185 | 7970 | 8080-7780 | base interca ated peat | IRPA 615 | 0 |
| c | Waterhoek bis | - <i>i</i> 62 | /150±65 | /960 | 8057-7824 | intercalated peat (mean) | NZA 11948 | 1: |
| 3 | Orth Kerk | -5 13 | 7110±90 | 7927 | 8070-7690 | top basal peat | IRPA 534 | 3 |
| 9 | bh A 64 | -4 90 | 7080160 | 7900 | 7980-7755 | basa peat (mean) | KIA 12243 | 1 |
| 5 | | | | | | | | |
| | 3-Grachten | -6.85 | /030±85 | /854 | 8029-/669 | basa peat (mean) | IRPA 520 | 1 |
| 1 | Suikerfabriek | -5 29 | 7030±55 | 7823 | 7920-7700 | top basal peat | JtC 3733 | 5 |
| 2 | Oostkerke | -7 48/-7 44 | 7000180 | 7789 | 8029-7599 | base interca ated peat | IRPA 536 | 2 |
| 3 | Oostkerke | -/ 3//-/ 34 | 6/50±80 | /584 | //09-/429 | top intercalated peat | IR-2A536 | 3 |
| 4 | Waterhoek ols | -6 50/-6.45 | 6940±60 | 7780 | 7867-7665 | base gyttja | NZA 11947 | 1 |
| | Westende 4 | -5 19/-5 03 | 7160185 | 7759 | 8121-7766 | top basa peat | IRPA 614 | 3 |
| 5 | | | | | | | | |
| 5 | Sukerfabriek | -5 19 | /340±55 | 7750 | /890-/620 | Scrobicularia | RPA 1096 | 5 |
| 6 | Suikerfabriek | -5 29 | 6975±55 | 7748 | 7860-7660 | base basal ceat | RPA 1163 | 5 |
| 3 | Dijk | -5 10 | 6870170 | 7681 | 7881-7536 | base basal oeat | IRPA 542 | 2 |
| ə | Sukerfabriek | -5 20 | 6840190 | /626 | /830-/500 | top pasal peat | JtC 3449 | 5 |
| 5 | Oostkerke | -7 37/-7 34 | 6750±80 | /584 | 7709-7429 | top ntercalated peat | IRPA 535 | |
| | | | | | | Nour Construction of Statements and | | 1 |
| 1 | oh A78 | -5 97 | 6730135 | 7583 | 7664-7562 | base basal oeat | KIA 12247 | |
| 2 | Waterhoek o's | -5 40/-5 35 | 6620±60 | 7540 | /586-7424 | top gyttja | NZA 11945 | 1 |
| 3 | Dijk | -4 90 | 6680±80 | 7516 | 7631-7388 | top basal peat | IRPA 541 | 2 |
| 2.1 | | 2000 | 7000.70 | 7507 | 7630-7370 | Liydrobia | JtC 4175 | 5 |
| | | -4 49 | | | | | | |
| 4 | Suikerfabriek | 1.511(197) | 7060170 | | | | | |
| 4 | | -4 49 -3 67 -7 94 | 6665±60 6990±55 | 7506 7434 | /599-/429 /550-/320 | top sasal peat Cerastoderma | IRPA 927 RPA 1115 | 3 |
| 4 5 6 | Suike-fabriek Sooorweg | -3 67 | 6665160 | 7506 | /599-/429 | top basal peat | IRPA 927 | CF (1) |
| 4 | Suike-fabriek Sooorweg | -3 67 | 6665±60 6990±55 | 7506 7434 | 7599-7429 7550-7320 | top basal peat | IRPA 927 RPA 1115 | 0 (Q |
| 4 | Suikerfabriek Sooorweg Suikerfabriek Ste | -3 6/ -7 94 Sample altitude m TAW | 6665±60 6990±55 Age ¹⁴ C y/s B ^{_2} | 7506 7434 Caliorated age yrs 3-2 | /599-7429 7550-7320 Calibrated age 2σ range | top pasal peat Cerastoderma Dated material | IRPA 927 RPA 1115 Laboratory humber | er ar |
| 4 | Suikerfabriek Sooorweg Suikerfabriek Ste bh A78 | -3 6/ -7 94 Sample altrude m TAW -5.80 | 6665±60 6990±55 Age ¹⁴ C y/s B-2 6470±50 | 7506 7434 Caliorated age y's 3-5 7420 | /599-7429 /550-7320 Calibrated age 2σ range 7440-7271 | top pasal peat Cerastoderma Dated material top basal peat | IRPA 927 RPA 1115 Laboratory humber K/A 12246 | Re T |
| 4 | Suikerfabriek Sooorweg Suikerfabriek Ste bh A78 3-Grachten | -3 67 -7 94 Sample altitude m I AW -5.80 -4.35/-4.29 | 6665±60 6990±55 Age ¹⁴ C yrs B ²³ 6470±50 6500±95 | 7506 7434 Caliorated age yrs 3-9 7420 7375 | /599-/429 /550-/320 Celibrated age 2σ range 7440-7271 7568-7189 | top sasal peat Cerastoderma Dated material top basal peat base intercalated peat | IRPA 927 RPA 1115 Laboratory humoer KIA 12246 IRPA 515 | ः १ रि 1 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek Ste bh A78 3-Grachten Suikerfabriek | -3 67 -7 94 Sample altrude m TAW -5.80 -4.35/-4.29 -3.94 | 6665160 6990±55 Age ¹⁴ C yrs B- ³ 6470±50 6500±95 6480195 | 7506 7434 Caliorated age y's 3-9 7420 7375 7359 | 7599-7429 7550-7320 Calibrated age 2σ range 7440-7271 7568-7189 7510-7200 | top basal peat Cerastoderma Dated material top basal peat base intercalated peat vegetation horizon | IRPA 927 RPA 1115 Laboratory number KIA 12246 IRPA 515 UtC 3722 | 3 5 Re 1 3 6 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek Ste bh A78 3-Grachten Suikerfabriek Wolvenest | -3 67 -7 94 Sample attsude m TAW -5,80 -4,35/-4,29 -3,94 -2,77/-2,73 | 6665160 6990±55 Age ¹⁴ C yrs B ²⁻ 6470±50 6500±95 6480195 6420±80 | 7506 7434 Caliorated age y's 3 ³⁵ 7420 7375 7359 7296 | /599-7429 /550-7320 Calibrated age 2σ range 7440-7271 7568-7189 7510-7200 7449-7179 | top basal peat Cerastoderma Dated material top basal peat base intercalated peat vegetation horizon base intercalated peat | IRPA 927 RPA 1115 Laboratory number KIA 12246 IRPA 515 Utc 3722 IRPA 561 | 3 5 Re 1 3 6 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek Ste bh A78 3-Grachten Suikerfabriek | -3 67 -7 94 Sample altrude m TAW -5.80 -4.35/-4.29 -3.94 | 6665160 6990±55 Age ¹⁴ C yrs B- ³ 6470±50 6500±95 6480195 | 7506 7434 Caliorated age y's 3-9 7420 7375 7359 | 7599-7429 7550-7320 Calibrated age 2σ range 7440-7271 7568-7189 7510-7200 | top basal peat Cerastoderma Dated material top basal peat base intercalated peat vegetation horizon | IRPA 927 RPA 1115 Laboratory number KIA 12246 IRPA 515 UtC 3722 | 3 5 Re 1 3 6 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 755 | -3 67 -7 94 Sample altrude m IAW -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 | 6665160 6990155 6470150 6500195 6480195 6420150 63801115 | 7506 7434 Caliorated age yrs 3-2 7420 7375 7359 7296 7278 | 7599-7429 7560-7320 Calbrated age 2σ range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 | top basal peat Cerastoderme Dated material top basal peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat | IRPA 927 RPA 1115 Laboratory number KIA 12246 IRPA 515 UIC 3722 IRPA 561 IRPA 724 | 3 5 1 1 1 1 1 1 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 755 Spoorweg | -3 67 -7.94 5ample altitude m TAW -5.80 -4.35/4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 | 6665160 6990155 6470150 6500195 6420150 6420150 63201115 63301115 6335160 | 7506 7434 Caliorated age yrs 3° 7420 7375 7359 7296 7278 7278 7276 | 7599-7429 7550-7320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 /479-7179 | top basi peat Cerastoderma Dated material top basi peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat | 1RPA 92/ RPA 1115 KIA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 8/1 | ः स्थ 1 ः स्थ 1 ः |
| 4 | Suikerfabriek Sooorweg Suikerfabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 755 Spoorweg bh 1074 | -3 67 -7 94 Sample alticude m 1AW -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 | 6665160 6990155 6470150 6500195 6480195 6420180 63301115 63/5160 6410160 | 7506 7434 Caliorated age yrs 32 7420 7375 7359 7296 7278 7278 7276 | /599-/429 /550-/320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 /429-7179 7322-7219 | top basal peat Cerastoderma Dated material top basal peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat base intercalated peat base ontercalated peat | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 URC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 URC 5637 | 5 1 1 5 5 1 5 6 |
| 4 | Suike-fabriek Sooorweg Suike-fabriek bh A78 3-Grachten Suike-fabriek Wolvenest bh 755 Spoorweg bh 1074 Suike-fabriek | -3 67 -7.94 55.60 -4.35/429 -3.94 -2.77/-2.73 -2.53/-2.48 -2.66/-2.51 -5.04 -3.34 | 6665160 6990155 Age ¹⁴ C y/s (3-) 6470150 6500195 64201450 63201115 63/5160 6410160 64/0155 | 7506 7434 7420 7375 7359 7296 7278 /2/6 7276 /2/39 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7429-7179 7382-7219 7382-7219 7380-7150 | top basel peat Cerastoderma Dated material top basel peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat base one caleted peat base one sal peat Cerastoderma | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 URC 3722 IRPA 561 IRPA 724 IRPA 8/1 URC 5637 IRPA 1095 | 3 e 1 3 e 1 3 e 1 3 e 4 4 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 755 Spoorweg bh 1074 | -3 67 -7 94 Sample alticude m 1AW -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 | 6665160 6990155 6470150 6500195 6480195 6420180 63301115 63/5160 6410160 | 7506 7434 Caliorated age yrs 32 7420 7375 7359 7296 7278 7278 7276 | /599-/429 /550-/320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 /429-7179 7322-7219 | top basal peat Cerastoderma Dated material top basal peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat base intercalated peat base ontercalated peat | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 URC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 URC 5637 | 3 e 1 3 e 1 3 e 1 3 e 4 4 |
| 4 5 1 1 | Suike-fabriek Sooorweg Suike-fabriek bh A78 3-Grachten Suike-fabriek Wolvenest bh 755 Spoorweg bh 1074 Suike-fabriek | -3 67 -7.94 55.60 -4.35/429 -3.94 -2.77/-2.73 -2.53/-2.48 -2.66/-2.51 -5.04 -3.34 | 6665160 6990155 Age ¹⁴ C y/s (3-) 6470150 6500195 64201450 63201115 63/5160 6410160 64/0155 | 7506 7434 7420 7375 7359 7296 7278 /2/6 7276 /2/39 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7429-7179 7382-7219 7382-7219 7380-7150 | top basel peat Cerastoderma Dated material top basel peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat base one caleted peat base one sal peat Cerastoderma | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 URC 3722 IRPA 561 IRPA 724 IRPA 8/1 URC 5637 IRPA 1095 | 3 8 1 1 3 4 1 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 4 | Sui cerfabriek Sooorveg Sui cerfabriek bh A78 3-Crachten Sui cerfabriek bh 755 Spoorveg bh 1074 Sui kerfabriek Veurne Sui kerfabriek | -3 67 -7.94 Sample altrude m 1AW -5.80 -4.35/4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7,94 | 6665.460 6990455 6990455 6470450 6500495 64401450 6320450 6320450 6420 | 7506 7434 7420 7375 7359 7296 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7429-7179 7382-7219 7382-7219 7380-7150 7479-6746 7360-7400 | Cerastoderma Cerastoderma Top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastocierma intercalated peat (mean) Ostrea | IRPA 92/ R⇒A 1115 KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 1095 UC 2637 UC 2637 UC 2637 | 25 8 1 1 2 4 1 1 3 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| 4 | Suikerfabriek Sooorweg Suikerfabriek bh A78 3-Crachten Suikerfabriek Wolvenest bh 755 Spoorweg bh 1074 Suikerfabriek Veurne Suikerfabriek bh 363 | -3 67 -7.94 5.80 -4.35/4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 | 665140 6990455 6470450 6500495 640045 640045 63204115 6375460 6410450 63004200 6700480 63404110 | 7506 7434 Caliorated age yrs 32 7420 7375 7359 7296 7296 7278 /2/6 7276 /239 7210 /189 7185 | />599-/429 /550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 /429-/1/9 7382-7219 /380-/150 7479-6746 /360-0000 7289-6898 | top basel peat Cerastoderma Dated material top basel peat base intercalated peat vegetation horizon base intercalated peat base intercalated peat base or sai peat Cerastoderma intercalated peat (mean) Ostrea intercalated peat (mean) | IRPA 92/ R⇒A 1115 KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2537 UC 2537 UC 2636 H 8/755 | 2 5 5 1 1 2 6 1 1 2 6 2 1 1 2 6 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 4 | Suice-fabriek Soorweg Suice-fabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 1074 Suikerfabriek Veurie Suikerfabriek bh 1074 Suikerfabriek bh 1074 Suikerfabriek bh 1064 Veurie | -3 67 -7.94 5.80 -4.35/4.29 -3.94 -2.77/2.73 -2.53/2.48 -2.65/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/2.50 -2.67/2.63 | 6651460 6990455 6470450 6470450 6300495 64801495 64801495 64801495 64801495 64801495 63004200 6/701480 6 | 7506 7434 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 Calbrated age 2x range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7479-7018 7479-7018 7479-6718 7479-6746 7360-7000 7289-6838 7279-6857 | top basal peat Cerrastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerrastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat (mean) | IRPA 92/ ₹ ² A 1115 Laboratory number K/A 12246 IRPA 515 URC 3722 IRPA 561 IRPA 724 IRPA 8/1 URC 5637 IRPA 8/1 URC 5637 URC 4168 Hv 8/35 IRPA 559 | 2 5 5 1 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 4 | Sui kerfabriek Soorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wo venesk bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 363 Wo venest Orch Kerk | -3 67 -7.94 5.80 -3.94 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.61 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.38/-3.33 | 8655.460 6990.455 8470.450 8570.455 8480.495 8480.495 8480.495 8480.495 8470.450 8370.440 8410.460 8410.460 8410.450 8410.4 | 7506 7434 7420 7420 7355 7359 7296 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7429-7179 7382-7219 7382-7219 7380-7150 7479-6746 7360-7150 7479-6746 7369-6898 7279-6857 7260-6889 | Dated material Cerastoderma Dated material top basel peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base ontercalated peat Cerastoderma intercalated peat (mean) top intercalated peat base intercalated peat | IRPA 92/ R⇒A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 8/1 UtC 2637 UtC 2637 UtC 2637 UtC 2468 Hv 8/35 IRPA 831 | 2 5 5 1 1 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 1 | Suite-fabriek Socorweg Suite-fabriek bh A78 3-Grachten Suite-fabriek Wolvenest bh 1074 Suite-fabriek bh 1074 Suite-fabriek Veurne Suite-fabriek bh 353 Wolvenest Orn Kerk bh 399 | -3 67 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.50 -2.67/-2.50 -3.38/-3.33 -4.68/-4.65 | Be65.160 6990.55 6470450 6470450 640045 640045 6420480 63204115 63304115 6300420 6/00480 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/10480 63004110 6200480 610485 6110480 | 7506 7434 Caliorated age yrs 32 7420 7375 7359 7296 7278 7276 7278 7276 7278 7276 7278 7270 7485 7485 7485 7485 7464 7159 7140,7008 | 7599-7429 7550-7320 Calbrated age 2a range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7479-7018 7479-719 7382-7219 75782-7219 757 | top basal peat Cerrastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerrastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat (mean) | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 4166 Hw 8735 IRPA 559 IRPA 559 IRPA 831 UC 2294 | 3 5 5 11 5 6 6 6 6 7 7 7 |
| 4 | Sui kerfabriek Soorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wo venesk bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 363 Wo venest Orch Kerk | -3 67 -7.94 5.80 -3.94 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.61 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.38/-3.33 | 8655.460 6990.455 8470.450 8570.455 8480.495 8480.495 8480.495 8480.495 8470.450 8370.440 8410.460 8410.460 8410.450 8410.4 | 7506 7434 7420 7420 7355 7359 7296 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7429-7179 7382-7219 7382-7219 7380-7150 7479-6746 7360-7150 7479-6746 7369-6898 7279-6857 7260-6889 | Dated material Cerastoderma Dated material top basel peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base ontercalated peat Cerastoderma intercalated peat (mean) top intercalated peat base intercalated peat | IRPA 92/ R⇒A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 8/1 UtC 2637 UtC 2637 UtC 2637 UtC 2468 Hv 8/35 IRPA 831 | 3 5 5 11 5 6 6 6 6 7 7 7 |
| | Suite-fabriek Socorweg Suite-fabriek bh A78 3-Grachten Suite-fabriek Wolvenest bh 1074 Suite-fabriek bh 1074 Suite-fabriek Veurne Suite-fabriek bh 353 Wolvenest Orn Kerk bh 399 | -3 67 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.50 -2.67/-2.50 -3.38/-3.33 -4.68/-4.65 | Be65.160 6990.55 6470450 6470450 640045 640045 6420480 63204115 63304115 6300420 6/00480 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/00480 63004200 6/10480 63004110 6200480 610485 6110480 | 7506 7434 Caliorated age yrs 32 7420 7375 7359 7296 7278 7276 7278 7276 7278 7276 7278 7270 7485 7485 7485 7485 7464 7159 7140,7008 | 7599-7429 7550-7320 Calbrated age 2a range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7479-7018 7479-719 7382-7219 75782-7219 757 | Corastoderma Corastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base or sai peat Corastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat base intercalated peat base intercalated peat base intercalated peat | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 4166 Hw 8735 IRPA 559 IRPA 559 IRPA 831 UC 2294 | 3 5 5 1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| 4 0 0 | Sui kerfabriek Sooorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wo venest bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 363 Wo venest Orch Kerk bh 399 oh 1050 Sui kerfabriek | -3 67 -7.94 -5.60 -4.35/429 -3.94 -2.77/-2.73 -2.53/2.48 -2.65/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/2.63 -3.38/-333 -4.68/-4.65 -4.08 -3.47 | 8655.160 6990.455 6470.450 6470.450 6500.455 6480.195 6420.480 6430.115 6375.160 6410.160 6410.160 6470.1355 6300.4200 6300.4201 6300.420 6340.4110 6300.420 6340.41100 6340.41100 6340.41100 6340.41100 6340.4110 | 7506 7434 7420 7375 7359 7296 7296 7278 /2/6 7276 /239 7270 /189 7185 7164 7165 7164 7159 7140,7008 7100 7087 | 7599-7429 7550-7320 Calbrated age 2a range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7429-719 7382-7219 7382-7219 7380-7150 7479-6746 7360-7150 7479-6746 7360-7000 7289-6898 7279-6685 7270-6689 7175-6884 7283-6891 7210-6910 | Cerastoderma Carastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat base intercalated peat | IRPA 92/ R⇒A 1115 Laboratory number KIA 12246 IRPA 561 UtC 3722 IRPA 561 UtC 3722 IRPA 561 UtC 3722 IRPA 561 UtC 5637 UtC 2637 UtC 2636 UtC 2636 UtC 2636 UtC 4174 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| | Sui kerfabriek Soorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wolvenest bh 1074 Sui kerfabriek Veurne Sui kerfabriek Volvenest Orch Kerk bh 1959 oh 1050 Sui kerfabriek Vil Villegveid | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.77/-2.50 -2.67/-2.63 -3.38/-3.33 -4.68/-4.65 -4.08 -3.47 -4.14 | 8655.160 6990.55 6470.50 6470.50 6470.55 6420.480 6380.115 6320.115 6320.115 6375.160 6410.160 6770.180 6770.180 6340.5110 6340.5100 6340.5000 6340.5000 6340.5000 6340.5000 6340.5000 6340.5000 6340.5000 6350.50000 6350.50000 6350.50000 6350.50000 6350.5000000 6350.50000000000000000000000000000000000 | 7506 7434 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 Calbrated age 2a range 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7479-7018 7479-7018 7479-6746 7382-7219 7382-7219 7382-7219 7382-7219 7382-6838 7279-6857 7280-6839 7175-6884 7283-6891 7210-6910 7189-6888 | top basal peat Cerastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat base osal peat Carastoderma Scrobicularia | IRPA 92/ →A 1115 Laboratory number KIA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 UC 4166 Hv 6735 IRPA 631 UC 2536 IRPA 631 UC 2546 UC 5636 UC 5636 UC 5636 UC 5636 | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 4 53 | Sui ce-fabrieri Soorweg Sui ce-fabrieri bh A78 3-Grachten Sui kerfabrieri bh 1074 Sui kerfabrieri bh 1074 Sui kerfabrieri bh 1074 Sui kerfabrieri bh 363 Wolvenest Orn Kerk bh 399 on 1050 Sui kerfabrieri V. Viegveid bh 1004 | -3 67 -7 94 Sample altrude m 1AW -5.80 -4.35/4 29 -3.94 -2.77/2.73 -2.53/2 48 -2.65/2 51 -5.04 -3.34 -4.62 -7.94 -2.70/2 50 -2.67/2 63 -3.38/-3.33 -4.68/4 65 -4.08 -3.47 -4.14 -3.70/-3.57 | 8655.160 6990.455 6470.450 6500.455 6420.450 6320.1115 6375.1460 6410.1460 6410.1460 6410.1460 6410.420 6300.4200 6300.40000 6300.4000 6300.4000 630000 630000000 6300000000000000 | 7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 749-718 /429-/179 7382-7219 /380-/150 7479-6746 /360-/150 7289-6898 7279-6857 7260-6889 7175-6884 7280-6891 7210-6910 7169-6888 /210-6/81 | Dated material Cerastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat Cerastoderma intercalated peat (mean) top intercalated peat base intercalated peat | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 724 IRPA 8/1 UtC 5637 IRPA 8/1 UtC 2637 UtC 4168 Hv 8/35 IRPA 831 UtC 2524 UtC 2526 UtC 4174 UtC 4862 UtC 4862 UtC 4862 | 2 8 8 11 2 8 1 2 8 1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| | Suicerfabriek Socorweg Suicerfabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 1074 Suikerfabriek Veurne Suikerfabriek bh 353 Wolvenest Orn Kerk bh 399 oh 1050 Suikerfabriek V. Viiegveid bh 1004 Suikerfabriek | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34-3.33 -4.68/-4.65 -4.08 -3.47 -4.14 -3.70/-3.67 -3.32 | Be65L80 6990455 6470450 6470450 6500455 6480195 6420480 63204115 6375460 6410460 6410460 6410460 6700480 63004200 63004200 63004200 63004200 6300420 6300420 6300420 6300420 6300420 6300420 6300420 6300420 6300420 6300420 6300420 6500450 6500450 61004100 61004100 | 7506 7434 7420 7420 7375 7359 7296 7296 72978 7276 7276 7276 7276 7276 7276 7276 72 | />599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7478-7179 7479-7018 /429-/1/9 7382-7219 /360-7000 729-6657 7296-6859 7279-66857 7260-6889 7175-6884 7283-6891 7210-6310 7189-6888 /210-6/81 7130-6850 | top basel peat Cerastoderma Dated material top basel peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma Scrobicularia base intercalated peat top second cent | IRPA 92/ R⇒A 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 UC 2637 UC 2637 UC 2637 UC 2637 UC 2637 IRPA 509 IRPA 509 IRPA 509 IRPA 501 UC 2636 UC 24174 UC 2662 UC 2627 IRPA 1074 | 2 8 8 11 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| | Sui ce-fabrieri Soorweg Sui ce-fabrieri bh A78 3-Grachten Sui kerfabrieri bh 1074 Sui kerfabrieri bh 1074 Sui kerfabrieri bh 1074 Sui kerfabrieri bh 363 Wolvenest Orn Kerk bh 399 on 1050 Sui kerfabrieri V. Viegveid bh 1004 | -3 67 -7 94 Sample altrude m 1AW -5.80 -4.35/4 29 -3.94 -2.77/2.73 -2.53/2 48 -2.65/2 51 -5.04 -3.34 -4.62 -7.94 -2.70/2 50 -2.67/2 63 -3.38/-3.33 -4.68/4 65 -4.08 -3.47 -4.14 -3.70/-3.57 | 8655.160 6990.455 6470.450 6500.455 6420.450 6320.1115 6375.1460 6410.1460 6410.1460 6410.1460 6410.420 6300.4200 6300.40000 6300.4000 6300.4000 630000 630000000 6300000000000000 | 7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 749-718 /429-/179 7382-7219 /380-/150 7479-6746 /360-/150 7289-6898 7279-6857 7260-6889 7175-6884 7280-6891 7210-6910 7169-6888 /210-6/81 | Dated material Cerastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat Cerastoderma intercalated peat (mean) top intercalated peat base intercalated peat | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 724 IRPA 8/1 UtC 5637 IRPA 8/1 UtC 2637 UtC 4168 Hv 8/35 IRPA 831 UtC 2524 UtC 2526 UtC 4174 UtC 4862 UtC 4862 UtC 4862 | 2 8 8 11 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| | Suicerfabriek Socorweg Suicerfabriek bh A78 3-Grachten Suikerfabriek Wolvenest bh 1074 Suikerfabriek Veurne Suikerfabriek bh 353 Wolvenest Orn Kerk bh 399 oh 1050 Suikerfabriek V. Viiegveid bh 1004 Suikerfabriek | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34-3.33 -4.68/-4.65 -4.08 -3.47 -4.14 -3.70/-3.67 -3.32 | Be65LIC0 6990455 6470450 6470450 6500455 6480195 6420480 63204115 6375460 6410460 6410460 6410460 6700480 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004400 6500450 6500450 61004100 61004100 | 7506 7434 7420 7420 7375 7359 7296 7296 72978 7276 7276 7276 7276 7276 7276 7276 72 | /599-/429 /550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7382-719 7380-746 7360-7000 7289-6888 7279-6657 7260-6889 7175-6884 7238-6891 7210-6810 749-6300 7190-6838 /210-6/81 7130-6850 /089-6/91 | top basel peat Cerastoderma Dated material top basel peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma Scrobicularia base intercalated peat top second cent | IRPA 92/ R⇒A 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 IRPA 724 IRPA 8/1 UC 2637 UC 2637 UC 2637 UC 2637 UC 2637 IRPA 509 IRPA 509 IRPA 509 IRPA 501 UC 2636 UC 24174 UC 2662 UC 2627 IRPA 1074 | 3 8 8 1 1 3 6 4 6 6 7 1 1 2 6 6 6 6 7 1 1 2 6 6 6 6 7 1 1 1 2 6 6 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 1 | Sui kerfabriek Sooorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek bh 1755 Spoorweg bh 1074 Sui kerfabriek veurne Sui kerfabriek bh 363 Wolvenest Orch Kerk bh 399 oh 1050 Sui kerfabriek W. Viegweid bh 1004 Sui kerfabriek Wastenbek os Westende 1 | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/429 -3.94 -2.77/-2.73 -2.53/2.48 -2.66/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34/-33 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34/-33 -4.68/-4.65 -4.08 -3.347 -4.14 -3.00/-3.50 -2.68 | Be65.L60 6990.455 6470.450 6470.450 6500.455 6480.455 6480.456 6480.456 6480.456 6480.456 6480.456 6480.456 6480.456 6470.450 6320.4115 6370.4200 6340.410.450 6700.480 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.420 6300.410 6130.410 6130.4100 6140.420 | 7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7479-7018 7479-7018 7479-7018 7479-6746 7380-7150 7479-6746 7380-7150 7479-6657 7260-6889 7175-6884 7283-6891 7210-6910 7169-6888 7210-6810 7169-6888 7210-6810 7159-6888 7210-6810 7159-6888 7210-6810 7159-6888 | Dated material Corrastoderma | IRPA 92/ →A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 5724 IRPA 871 UtC 5637 UtC 4168 HV 8735 IRPA 831 UtC 294 UtC 2536 IRPA 831 UtC 294 UtC 4662 UtC 2627 IRPA 1074 UtC 41537 | 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
| 1 | Su kerfabriek Soorweg Su kerfabriek bh A78 3-Grachten Su kerfabriek Wo venest bh 1074 Su kerfabriek Veurne Su kerfabriek bh 363 Wo venest Orch Kerk bh 363 Wo venest Orch Kerk bh 399 oh 1050 Su kerfabriek V. Viegveid bh 1004 bh 1004 Su kerfabriek Witterhoek os Westende 1 bh 362 | -3 67 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.53 -3.38/-3.33 -4.68/-4.65 -4.03 -3.38/-3.33 -4.68/-4.65 -4.03 -3.38/-3.33 -3.60/-3.50 -2.68 -2.00 | 8655.160 6990.455 6470450 6470450 6470450 6480145 6480145 6480145 6480145 64801450 64701450 63704200 6700480 63404110 6200480 63404110 6200480 63404110 6200480 6350150 61304100 61304000 61304000 61304000 61304000 613040000 6130400000000000000000000000000000000000 | 7506 7434 7420 7420 7375 7359 7296 7296 7278 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7540-7271 7568-7189 7510-7200 7449-7179 7449-7179 7449-7179 7479-7018 7429-719 7382-7219 7382-7219 7382-7219 7380-7190 7479-6746 7360-6889 7175-6884 7283-6891 7210-6810 7169-6888 7210-6741 7169-6888 7110-6711 7169-6729 7169-6729 | top basel peat Cerastoderma Dated material top basel peat base intercelated peat base intercelated peat base intercelated peat base intercelated peat base intercelated peat base intercelated peat cerastoderma intercelated peat (mean) top intercelated peat base intercelated peat base intercelated peat base intercelated peat cerastoderma Scrobicularia base intercelated peat top second peat base intercelated peat top second peat base intercelated peat | IRPA 92/ RPA 1115 Laboratory number KIA 12246 IRPA 515 URC 3722 IRPA 561 IRPA 561 IRPA 561 IRPA 561 URC 5637 URC 4168 HW 8735 IRPA 563 IRPA 561 IRPA 563 IRPA 563 IRP | 3 5 11:3 6 5 6 6 6 7 2 2 2 6 5 11:6 6 6 11:2 2 2 2 6 5 11:6 6 6 11:2 2 2 2 6 5 11:6 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 6 5 11:3 7 11:3 6 5 11:3 7 11:3 7 11:3 7 11:3 7 11:3 7 11:3 7 11:3 11:3 |
| 1 | Sur de fabrierie Soorweg Sur eer fabrierie bh A78 3-Grachten Sulker fabriek Wolvenest bh 1074 Sulker fabriek Veurne Suker fabriek Wolvenest Orra Kerk bh 363 Wolvenest Orra Kerk bh 363 Wolvenest Dh 1050 Sulker fabriek Witter hoek os Westende 1 bh 362 bh 362 bh 1004 | -3 67 -7 94 Sample altrude m 1AW -5.60 -4.35/4 29 -3.94 -2.77/2.73 -2.53/2.48 -2.65/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/2.50 -2.67/2.63 -3.38/-3.33 -4.68/4.65 -4.08 -3.34 -3.47 -4.14 -3.70/-3.56/ -3.32 -3.56/-3.90 -2.268 -2.00 -2.25 | e665.160 6990.455 6470.450 6470.450 6500.455 6420.450 6320.1115 6375.146 6410.450 6340.145 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.410.60 6340.420 6550.450 6510.450 6510.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 | 7506 7434 7420 7420 7375 7359 7296 7276 7276 7276 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7432-719 7432-719 7382-7219 />380-/150 7479-6746 />360-/150 7289-6898 7279-6857 7260-6889 7175-6884 7283-6891 7210-6701 7163-6884 7210-6781 7130-6850 7088-6791 7189-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 | Dated material Corrastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat corrastoderma intercalated peat corrastoderma top nitercalated peat base intercalated peat | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 24168 HV 8735 IRPA 831 UC 2546 UC 4174 UC 5636 UC 4174 UC 5636 UC 4174 UC 262/ IRPA 1074 IRPA 1074 IR | 3 5 1 2 2 2 1 3 3 6 6 5 1 2 2 2 6 5 1 1 2 2 2 6 5 1 1 8 6 5 1 2 2 2 6 5 1 2 2 2 5 1 2 5 5 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 2 5 5 1 1 2 5 5 5 1 1 2 5 5 5 1 2 5 5 5 1 2 5 5 5 5 |
| | Su kerfabriek Soorweg Su kerfabriek bh A78 3-Grachten Su kerfabriek Wo venest bh 1074 Su kerfabriek Veurne Su kerfabriek bh 363 Wo venest Orch Kerk bh 363 Wo venest Orch Kerk bh 399 oh 1050 Su kerfabriek V. Viegveid bh 1004 bh 1004 Su kerfabriek Witterhoek os Westende 1 bh 362 | -3 67 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.53 -3.38/-3.33 -4.68/-4.65 -4.03 -3.38/-3.33 -4.68/-4.65 -4.03 -3.38/-3.33 -3.60/-3.50 -2.68 -2.00 | 8655.160 6990.455 6470450 6470450 6470450 6480145 6480145 6480145 6480145 64801450 64701450 63704200 6700480 63404110 6200480 63404110 6200480 63404110 6200480 6350150 61304100 61304000 61304000 61304000 61304000 613040000 6130400000000000000000000000000000000000 | 7506 7434 7420 7420 7375 7359 7296 7296 7278 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7540-7271 7568-7189 7510-7200 7449-7179 7449-7179 7449-7179 7479-7018 7429-719 7382-7219 7382-7219 7382-7219 7380-7190 7479-6746 7360-6889 7175-6884 7283-6891 7210-6810 7169-6888 7210-6741 7169-6888 7110-6711 7169-6729 7169-6729 | top basel peat Cerastoderma Dated material top basel peat base intercelated peat base intercelated peat base intercelated peat base intercelated peat base intercelated peat base intercelated peat cerastoderma intercelated peat (mean) top intercelated peat base intercelated peat base intercelated peat base intercelated peat cerastoderma Scrobicularia base intercelated peat top second peat base intercelated peat top second peat base intercelated peat | IRPA 92/ R⇒A 1115 Laboratory number KIA 12246 IRPA 561 UC 3722 IRPA 561 UC 3722 IRPA 561 UC 3722 IRPA 561 UC 5637 IRPA 574 IRPA 581 UC 2637 UC 2638 IRPA 559 IRPA 531 UC 2636 UC 2636 UC 2636 UC 2636 UC 2636 UC 264 UC 2653 UC 264 UC 2654 UC 2652/ IRPA 725 IRPA 849 | 3 5 1 2 2 2 1 3 3 6 6 5 1 2 2 2 6 5 1 1 2 2 2 6 5 1 1 8 6 5 1 2 2 2 6 5 1 2 2 2 5 1 2 5 5 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 2 5 5 1 1 2 5 5 5 1 1 2 5 5 5 1 2 5 5 5 1 2 5 5 5 5 |
| 1 | Sur de fabrierie Soorweg Sur eer fabrierie bh A78 3-Grachten Sulker fabriek Wolvenest bh 1074 Sulker fabriek Veurne Suker fabriek Wolvenest Orra Kerk bh 363 Wolvenest Orra Kerk bh 363 Wolvenest Dh 1050 Sulker fabriek Witter hoek os Westende 1 bh 362 bh 362 bh 1004 | -3 67 -7 94 Sample altrude m 1AW -5.60 -4.35/4 29 -3.94 -2.77/2.73 -2.53/2.48 -2.65/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/2.50 -2.67/2.63 -3.38/-3.33 -4.68/4.65 -4.08 -3.34 -3.47 -4.14 -3.70/-3.56/ -3.32 -3.56/-3.90 -2.268 -2.00 -2.25 | e665.160 6990.455 6470.450 6470.450 6500.455 6420.450 6320.1115 6375.146 6410.450 6340.145 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.420 6340.410.60 6340.420 6550.450 6510.450 6510.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 6140.400 | 7506 7434 7420 7420 7375 7359 7296 7276 7276 7276 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7432-719 7432-719 7382-7219 />380-/150 7479-6746 />360-/150 7289-6898 7279-6857 7260-6889 7175-6884 7283-6891 7210-6701 7163-6884 7210-6781 7130-6850 7088-6791 7189-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 | Dated material Corrastoderma Dated material top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat corrastoderma intercalated peat corrastoderma top nitercalated peat base intercalated peat | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 24168 HV 8735 IRPA 831 UC 2546 UC 4174 UC 5636 UC 4174 UC 5636 UC 4174 UC 262/ IRPA 1074 IRPA 1074 IR | 3 5 1 2 2 2 1 3 3 6 6 5 1 2 2 2 6 5 1 1 2 2 2 6 5 1 1 8 6 5 1 2 2 2 6 5 1 2 2 2 5 1 2 5 5 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 1 2 5 5 1 2 5 5 1 1 2 5 5 5 1 1 2 5 5 5 1 2 5 5 5 1 2 5 5 5 5 |
| 4 | Sur de fabrierie Soorweg Sur eer fabrieerie bh A78 3-Grachten Suiker fabrieerie bh 1074 Suiker fabrieerie bh 1074 Suiker fabrieerie bh 1074 Suiker fabrieerie Veorme Suiker fabrieerie bh 1050 Suiker fabrieerie bh 1050 Suiker fabrieerie bh 1054 Suiker fabrieerie Viater fabere fois Westende 1 bh 362 bh 1042 | -3 67 -7.94 Sample altrude m 1AW -5.60 -4.35/4.29 -3.94 -2.77/2.73 -2.53/2.48 -2.65/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/2.50 -2.67/2.63 -3.38/-3.33 -4.68/4.65 -4.08 -3.34 -3.47 -4.14 -3.70/-3.56/ -3.32 -3.56/-3.50 -2.68 -2.00 -2.25 | 8655,160 8990,55 8470,550 8470,550 8470,550 8480,155 8480,155 8480,155 8420,1450 8570,120 8770,120 8790,1450 8700,14500 8700,1450 8700,14500 8700,1450 8700,1450 8700,1450 | 7506 7434 7420 7420 7375 7359 7296 7276 7276 7276 7276 7276 7276 727 | //599-/429 //500-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7432-719 7382-7219 /380-/150 7479-6746 /360-/100 7289-6888 7279-6657 7260-6889 7175-6884 7238-6891 7210-6100 7169-6383 /210-6/81 7180-6850 /089-6/29 /149-6/29 /149-6/29 /149-6/29 /149-6/29 /161-6494 6984-6677 | top basel peat Cerastoderma Top basel peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma intercalated peat (mean) offrea intercalated peat (mean) top intercalated peat base intercalated peat base intercalated peat base intercalated peat top second opeat base intercalated peat base intercalated peat | IRPA 92/ R⇒A 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 871 UIC 5637 UIC 2637 UIC 2637 UIC 2637 UIC 26536 UIC 26536 UIC 26536 UIC 26536 UIC 26537 UIC 26536 UIC 26536 UIC 26537 UIC 26536 UIC 26537 UIC 26537 UIC 26538 UIC 26537 UIC 26537 UIC 3637 UIC 3637 III 1940 UIC 1537 III 1942 UIC 1537 III 1943 UIC 3639 III 1944 UIC 3639 III 1943 UIC 3639 III 1943 UII 1944 UII 1945 </td <td>3 5 1 1 2 5 5 5 1 1 5 6 6 5 1 2 2 2 6 6 5 1 1 5 6 6 5 1 1 2 2 2 6 6 7 1 1 5 5 5 5 1 1 1 5 6 6 6 7 1 1 1 5 5 5 5 1 1 1 5 5 5 1 1 1 5 5 5 5 1 1 1 5 5 5 5 1 1 1 5 5 5 5 1 1 1 5 5 5 5 1 1 1 5</td> | 3 5 1 1 2 5 5 5 1 1 5 6 6 5 1 2 2 2 6 6 5 1 1 5 6 6 5 1 1 2 2 2 6 6 7 1 1 5 5 5 5 1 1 1 5 6 6 6 7 1 1 1 5 5 5 5 1 1 1 5 5 5 1 1 1 5 5 5 5 1 1 1 5 5 5 5 1 1 1 5 5 5 5 1 1 1 5 5 5 5 1 1 1 5 |
| 4 | Sui de fabrieri Soorweg Sui de fabrieri bh A78 3-Grachten Sui kerfabriek bh 755 Spoorweg bh 1074 Sui kerfabriek bh 1074 Sui kerfabriek bh 363 Wolvenest Orn Kerk bh 399 on 1050 Sui kerfabriek Vi Viegveid bh 1004 Sui kerfabriek Westende 1 bh 362 bh 742 Viegveid bh 363 | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/4.29 -3.94 -2.77/4.273 -2.53/2.48 -2.66/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34/-333 -4.68/-4.65 -4.08 -3.34 -4.08 -3.47 -4.14 -3.70/-3.67 -3.32 -3.60/-3.50 -2.268 -2.00 -2.25 -2.39/-2.33 -2.50 | e665.160 6990.455 6470.450 6470.450 6500.455 6480.195 6480.195 6480.195 6480.195 6480.195 6470.450 6320.1115 6370.1125 6370.1125 6370.4200 6410.460 6700.480 6100.480 6100.480 6100.480 6590.460 6100.480 6110.450 6100.480 6110.450 6340.4110 | 7506 7434 7420 7420 7375 7359 7296 7276 7276 7276 7276 7276 7276 727 | 7599-7429 7550-7320 7440-7271 7568-7189 7510-7200 7449-7179 7479-7018 7479-7018 7479-7018 7479-7018 7479-6746 7380-7150 7479-6746 7380-7150 7479-6857 7260-6889 7175-6884 7283-6891 7189-6858 7210-6810 7189-6888 7210-6810 7189-6888 7210-6810 7189-6888 7210-6810 7189-6888 7210-6810 7189-6729 7161-6494 6984-6677 7289-6898 | Dated material Corrastoderma | IRPA 92/ →A 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 871 UC 2637 UC 2637 UC 2637 UC 2637 UC 2468 HV 8735 IRPA 831 UC 2524 UC 2536 IRPA 831 UC 2536 IRPA 831 UC 2527 IRPA 831 UC 2527 IRPA 1074 UC 4154 UC 4536 UC 4154 UC 4537 -V 8/99 IRPA 829 HV 8796 + HV 8795 | 3 5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 4 | Sui kerfabriek Sooorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wo venest bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 1074 Sui kerfabriek bh 399 oh 1050 Sui kerfabriek Vi. Vilegveld bh 1004 Sui kerfabriek Vi kerfabriek Vi kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek | -3 67 -7.94 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34-3.33 -4.68/-4.65 -4.03 -3.47 -4.14 -3.32 -3.60/-3.50 -2.68 -2.00 -2.25 -2.39/-2.33 -2.50 -2.35 | Be65.160 6990.455 6470.450 6470.450 6500.455 6480.195 6420.480 6320.1115 6375.115 6375.115 6370.410.00 6770.455 6300.410 6370.410.00 6770.480 6340.4110 8200.480 6310.460 6510.450 6500.450 6500.450 6500.450 6500.460 6500.460 6500.460 6500.450 6500.450 6500.450 6500.450 6500.450 6500.450 6500.450 6500.455 5970.4120 5960.455 6340.4110 6330.270 | 7506 7434 7420 7420 7375 7359 7296 7297 7296 7297 7276 7276 7276 727 | />599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7478-7189 7510-7200 7449-7179 7473-7018 /429-/1/9 7382-7219 /380-/150 7479-6746 /360-7000 7289-6857 7260-6889 7175-6884 7283-6891 7189-6729 /149-6729 /149-6729 /149-6729 7161-6494 6984-6677 7283-6898 6980-6610 | Corastoderma | IRPA 92/ R⇒A 1115 Laboratory number KIA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 UC 3722 IRPA 561 UC 5637 UC 2637 UC 2637 UC 2637 UC 4166 H 8795 IRPA 531 UC 2636 UC 2636 UC 2636 UC 2636 UC 2636 UC 4174 UC 4662 UC 2637 IRPA 51074 NZA 11945 UC 1537 IV 8/99 IRPA 725 IRPA 849 HV 8796 + HV 8795 UC 3941 | 2.22 1.02 2.10 2.02 2.10 2.02 2.02 2.02 |
| 4 5 5 | Sur &= fabriek Sooorveg Sur &= fabriek bh A78 3-Grachten Sul &= fabriek bh 765 Spoorweg bh 1074 Sul &= fabriek bh 765 Spoorweg bh 1074 Sul &= fabriek bh 1074 Sul &= fabriek bh 1989 on 1050 Sul &= fabriek Waterhoek os Westende 1 bh 1062 bh 162 bh 1 | -3 67 -7 94 Sample altrude m 1AW -5.60 -4.35/4 29 -3.94 -2.77/2 73 -2.53/2 48 -2.65/2 51 -5.04 -3.34 -4.62 -7.94 -2.70/2 50 -2.67/2 63 -3.38/-3.33 -4.68/4 65 -4.08 -3.34 -3.47 -4.14 -3.00/-3 67 -3.32 -3.60/-3 50 -2.26 -2.25 -2.39/-2.33 -2.50 -2.35 -3.42 | e665.160 6990.455 6470.450 6470.450 6500.455 6420.456 6420.456 6420.456 6420.456 6420.456 6420.456 6410.160 67.01450 6410.460 67.01450 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±200 63.00±00 613.00±00 604.040 604.0400 604.0400 604.0400 63.00±255 63.40±110 63.00±70 5900±45 | 7506 7430 7420 7420 7375 7359 7296 7296 7276 7276 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7432-7219 /380-/150 7479-6746 /380-/150 7479-6746 /380-/150 7479-6746 /380-/150 7289-6838 7220-6857 7260-6889 7175-6884 7238-6838 /210-6/81 7130-6850 /088-6/91 7169-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 7289-6838 6980-6610 6880-6640 | Dated material Corrastoderma | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 2468 HV 8795 IRPA 831 UC 2594 UC 4166 HV 8795 IRPA 831 UC 2594 UC 4174 UC 4862 UC 252/ IRPA 1194 UC 1537 -IV 8/99 IRPA 725 IRPA 829 HV 8796 + HV 8795 UC 3941 IRPA 1189 | 2.22 11.22 2.21 1.22 2.22 2.22 2.22 2.2 |
| 4 | Sui kerfabriek Sooorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wo venest bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 1074 Sui kerfabriek bh 399 oh 1050 Sui kerfabriek Vi. Vilegveld bh 1004 Sui kerfabriek Vi kerfabriek Vi kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek | -3 67 -7.94 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34-3.33 -4.68/-4.65 -4.03 -3.47 -4.14 -3.32 -3.60/-3.50 -2.68 -2.00 -2.25 -2.39/-2.33 -2.50 -2.35 | Be65.160 6990.455 6470.850 6470.850 6500.85 6480.195 6420.880 6320.1115 6375.115 6375.115 6370.860 6410.460 6470.450 6300.410 6300.4200 6300.4200 6300.420 6340.4110 8201.430 6510.450 6510.450 6500.450 6500.450 6500.460 6500.460 6500.460 6500.450 6500.450 6500.450 6500.450 6500.450 6040.480 6015.455 6340.4110 6330.170 | 7506 7434 7420 7420 7375 7359 7296 7297 7296 7297 7276 7276 7276 727 | />599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7478-7189 7510-7200 7449-7179 7473-7018 /429-/1/9 7382-7219 /380-/150 7479-6746 /360-7000 7289-6857 7260-6889 7175-6884 7283-6891 7189-6729 /149-6729 /149-6729 /149-6729 7161-6494 6984-6677 7283-6898 6980-6610 | Corastoderma | IRPA 92/ R⇒A 1115 Laboratory number KIA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 561 UC 3722 IRPA 561 UC 5637 UC 2637 UC 2637 UC 2637 UC 4166 H 8795 IRPA 531 UC 2636 UC 2636 UC 2636 UC 2636 UC 2636 UC 4174 UC 4662 UC 2637 IRPA 51074 NZA 11945 UC 1537 IV 8/99 IRPA 725 IRPA 849 HV 8796 + HV 8795 UC 3941 | 2.22 11.22 2.21 1.22 2.22 2.22 2.22 2.2 |
| 4 | Sur &= fabriek Sooorveg Sur &= fabriek bh A78 3-Grachten Sul &= fabriek bh 765 Spoorweg bh 1074 Sul &= fabriek bh 765 Spoorweg bh 1074 Sul &= fabriek bh 1074 Sul &= fabriek bh 1989 on 1050 Sul &= fabriek Waterhoek os Westende 1 bh 1062 bh 162 bh 1 | -3 67 -7 94 Sample altrude m 1AW -5.60 -4.35/4 29 -3.94 -2.77/2 73 -2.53/2 48 -2.65/2 51 -5.04 -3.34 -4.62 -7.94 -2.70/2 50 -2.67/2 63 -3.38/-3.33 -4.68/4 65 -4.08 -3.34 -3.47 -4.14 -3.00/-3 67 -3.32 -3.60/-3 50 -2.26 -2.25 -2.39/-2.33 -2.50 -2.35 -3.42 | Be65.160 6990.455 6470.450 6470.450 6500.455 6420.456 6420.456 6420.456 6420.456 6420.456 6420.456 6410.460 6/104.50 6/104.50 6/104.50 6/104.50 6/104.50 6/104.50 6/104.50 6/104.50 6/104.50 5/504.60 6/104.50 5/504.50 6/104.50 5/504.50 6/104.50 5/57.5120 5/404.110 6/304.110 6/304.101 6/304.55 6/340.4110 6/304.70 5/57.5120 5/304.70 5/304.70 | 7506 7430 7420 7420 7375 7359 7296 7296 7276 7276 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7432-7219 /380-/150 7479-6746 /380-/150 7479-6746 /380-/150 7479-6746 /380-/150 7289-6838 7220-6857 7260-6889 7175-6884 7238-6838 /210-6/81 7130-6850 /088-6/91 7169-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 7289-6838 6980-6610 6880-6640 | Dated material Cerastoderma Dated material Top basal peat Dase intercalated peat | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 2468 HV 8795 IRPA 831 UC 2594 UC 4166 HV 8795 IRPA 831 UC 2594 UC 4174 UC 4862 UC 252/ IRPA 1194 UC 1537 -IV 8/99 IRPA 725 IRPA 829 HV 8796 + HV 8795 UC 3941 IRPA 1189 | 2 2 1 1 2 3 2 1 2 6 3 6 3 2 4 4 5 1 8 5 1 8 5 2 8 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| 4 | Sui kerfabriek Sooorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wolvenest bh 1755 Spoorweg bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 1959 oh 1050 Sui kerfabriek Wi Veleyveld bh 1004 Sui kerfabriek Wi kerfabriek Sui kerfabriek | -3 67 -7.94 Sample altrude m 1AW -5.80 -4.35/4.29 -3.94 -2.77/-2.73 -2.53/2.48 -2.65/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.38/-3.33 -4.68/-4.65 -4.03 -3.47 -4.14 -3.70/-3.86/ -3.32 -3.66/-3.50 -2.68 -2.00 -2.25 -2.25 -2.35 -3.42 -2.50 -2.55 -3.42 -2.55 -3.42 -2.55 -3.42 -2.55 -2.55 -2.55 -2.55 -2.55 -2.55 -2.55 -2.55 -2.55 -3.42 -2.55 -3.42 -2.55 -3.42 -2.55 | 8655.160 8990455 8470450 6470450 6500455 6420450 6320115 6320115 6320115 6320110 6770420 67004200 67004200 67004200 67004200 67004200 67004200 67004200 67004200 67004200 67004200 67004200 63404110 63240140 65501450 63240140 85704120 59704120 5960455 63404110 5300455 53404110 5300455 5350155 5 | 7506 7434 7420 7420 7375 7359 7296 7296 7296 7276 7276 7276 7276 727 | />/599-/429 />/500-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7432-719 7432-719 7382-7219 /380-/150 7479-6746 /360-/100 7289-6888 7210-6810 7189-6838 /210-6/81 7130-6850 /089-6/91 7169-6/29 /149-6/29 | Cerastoderma Cerastoderma Dated material Top basal pest base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat cerastoderma intercalated peat (mean) Ostrea Intercalated peat (mean) top niercalated peat base intercalated peat base second peat top nierca ared peat for nierca ared peat for nierca ared peat | IRPA 92/ R⇒A 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 871 UIC 5637 UIC 2637 UIC 2637 UIC 26536 UIC 26536 UIC 26536 UIC 26536 UIC 26536 UIC 26537 UIC 26536 UIC 26537 UIC 26536 UIC 26537 UIC 26537 UIC 26536 UIC 26537 UIC 26536 UIC 26537 UIC 3637 UIC 3637 UIC 3637 UIC 3706 + UIC 3906 + UIC 3906 + UIC 3941 IRPA 3189 IRPA 834 UIC 3941 | 고 한 제1 : 5 : 1 : 5 : 5 : 5 : 5 : 5 : 5 : 5 : |
| 4 | Sui de fabrierk Sooorweg Sui de fabrierk bh A78 3-Grachten Sui de fabrierk Wolvenek bh 765 5poorweg bh 1074 Sui kerfabrierk Veurne Sui kerfabrierk bh 363 Wolvenekt Drn Kerk bh 363 Wolvenekt bh 1004 Sui kerfabrierk Waterhoek os Westende 1 bh 362 bh 1742 Villegveid bh 363 Sui kerfabrierk Spoorweg bh 407 Orch Kerk | -3 67 -7.94 Sample altrude m 1AW -5.60 -4.35(-4.29 -3.94 -2.77(-2.73 -2.53)-2.48 -2.65(-2.51 -5.04 -3.34 -4.62 -7.94 -2.70(-2.50 -2.67(-2.63 -3.38(-3.33 -4.68(-4.65 -4.08 -3.31 -4.08 -3.34 -3.47 -4.14 -3.70(-3.61 -3.32 -3.60(-3.90 -2.68 -2.00 -2.25 -2.39(-2.33 -2.50 -2.35 -3.42 -2.14(-2.99 -2.25 -3.30(-2.95) -3.01(- | Be65.160 6990455 6470450 6470450 6500455 6420450 63204115 6370450 6410455 6420450 63204115 6370450 6410455 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 6300420 63104510 6310450 6310450 6310450 6300460 6130450 6310450 63404140 6040480 6140480 6140480 614140 6330470 59705120 5960455 63404110 6330470 5860455 58304115 5861045 5861045 5861045 5861045 5810475 <td>7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727</td> <td>/>599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7171 7568-7189 7510-7200 7449-7179 7432-7219 7382-7219 7380-7150 7479-6746 />700-6746 7260-6889 7175-6884 7283-6891 7210-6710 7189-6888 /210-6781 7130-6850 /088-6791 7169-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6735 6898-6810</td> <td>Dated material Corrastoderma</td> <td>IRPA 92/ →A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 724 IRPA 871 UtC 5637 IRPA 871 UtC 2637 UtC 4166 Hv 8735 IRPA 831 UtC 294 UtC 2536 UtC 4174 UtC 4862 UtC 2527 IRPA 831 UtC 4537 IRPA 831 UtC 1537 - IV 8799 IRPA 849 HV 8796 + HV 8795 UtC 3941 IRPA 834 ANIW 136 IRPA 812</td> <td>고 한 제1 : 5 : 5 : 1 : 5 : 5 : 5 : 5 : 5 : 5 :</td> | 7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | />599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7171 7568-7189 7510-7200 7449-7179 7432-7219 7382-7219 7380-7150 7479-6746 />700-6746 7260-6889 7175-6884 7283-6891 7210-6710 7189-6888 /210-6781 7130-6850 /088-6791 7169-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6735 6898-6810 | Dated material Corrastoderma | IRPA 92/ →A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 724 IRPA 871 UtC 5637 IRPA 871 UtC 2637 UtC 4166 Hv 8735 IRPA 831 UtC 294 UtC 2536 UtC 4174 UtC 4862 UtC 2527 IRPA 831 UtC 4537 IRPA 831 UtC 1537 - IV 8799 IRPA 849 HV 8796 + HV 8795 UtC 3941 IRPA 834 ANIW 136 IRPA 812 | 고 한 제1 : 5 : 5 : 1 : 5 : 5 : 5 : 5 : 5 : 5 : |
| | Sui kerfabriek Soorweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wo venest bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 1050 Sui kerfabriek Veurne Sui kerfabriek Veurne Sui kerfabriek Vi - Vilegveld bh 1004 Sui kerfabriek Vi kerfabriek Sui kerfabriek | -3 67 -7.94 -7.94 -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.66/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34/-3.33 -4.68/-4.65 -4.08 -3.32 -3.60/-3.50 -2.67/-3.67 -3.32 -3.60/-3.50 -2.26 -2.26 -2.25 -2.35 -3.42 -2.25 -3.42 -2.25 -3.42 -2.25 -3.42 -3.17 -3.57 -3.17 | Be65.160 6470450 6470450 6470450 6500455 6480195 6420480 63201115 6370460 6410460 6410160 67/0355 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 6590460 6590460 6590460 6590460 6590460 6501400 6110460 6110460 61040480 6011480 6304100 6330470 59704120 5960455 63304710 63304710 63304715 58304115 5810475 582155 | 7506 7434 7420 7420 7375 7359 7296 7296 7296 7276 7276 7276 7276 727 | />599-/429 />550-/320 Calbrated age 2a range 7440-7271 7568-7189 7510-7200 7449-7179 7473-7018 /429-7179 7473-7018 /429-7179 7432-7219 /362-7219 /360-7000 7239-6838 7279-6857 7280-6838 7210-6910 7189-6888 /210-6910 7189-6888 /210-6910 7189-6888 /210-6810 7189-6888 /210-6810 7189-6838 /210-6810 7189-6838 /210-6810 7189-6838 /289-6838 6980-6610 6880-6640 6846-6535 6832-633/ 6848-6449 6/1-6520 | Cerastoderma Dated material top basal peat base intercalated peat cerastoderma intercalated peat (mean) Ostrea intercalated peat (mean) top intercalated peat base second peat basa peat (mean) top interca acd peat basa peat (mean) top interca acd peat base intercalated peat base acd peat base intercalated peat base intercala | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 871 UtC 5637 UtC 2637 UtC 2636 UtC 2725 IRPA 849 HV 8796 + HV 8796 + HV 8796 + HV 8796 IRPA 849 HV 8796 + HV 8796 IRPA 849 HV 8796 + HV 8796 IRPA 844 ANIW 136 IRPA 612 KIA 12254 | 도 한 110 년 2 년 3 년 3 년 4 년 3 년 4 년 4 년 4 년 4 년 4 년 4 |
| | Sui de fabrierk Sooorweg Sui de fabrierk bh A78 3-Grachten Sui de fabrierk Wolvenek bh 765 5poorweg bh 1074 Sui kerfabrierk Veurne Sui kerfabrierk bh 363 Wolvenekt Drn Kerk bh 363 Wolvenekt bh 1004 Sui kerfabrierk Waterhoek os Westende 1 bh 362 bh 1742 Villegveid bh 363 Sui kerfabrierk Spoorweg bh 407 Orch Kerk | -3 67 -7.94 Sample altrude m 1AW -5.60 -4.35(-4.29 -3.94 -2.77(-2.73 -2.53)-2.48 -2.65(-2.51 -5.04 -3.34 -4.62 -7.94 -2.70(-2.50 -2.67(-2.63 -3.38(-3.33 -4.68(-4.65 -4.08 -3.31 -4.08 -3.34 -3.47 -4.14 -3.70(-3.61 -3.32 -3.60(-3.90 -2.68 -2.00 -2.25 -2.39(-2.33 -2.50 -2.35 -3.42 -2.14(-2.99 -2.25 -3.30(-2.95) -3.01(- | Be65.160 6990455 6470450 6470450 6500455 6420450 63204115 6370450 6410455 6420450 63204115 6370450 6410455 63004200 63004200 63004200 63004200 63004200 63004200 63004200 63004200 6300420 63104510 6310450 6310450 6310450 6300460 6130450 6310450 63404140 6040480 6140480 6140480 614140 6330470 59705120 5960455 63404110 6330470 5860455 58304115 5861045 5861045 5861045 5861045 5810475 <td>7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727</td> <td>/>599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7171 7568-7189 7510-7200 7449-7179 7432-7219 7382-7219 7380-7150 7479-6746 />700-6746 7260-6889 7175-6884 7283-6891 7210-6710 7189-6888 /210-6781 7130-6850 /088-6791 7169-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6735 6898-6810</td> <td>Dated material Corrastoderma</td> <td>IRPA 92/ →A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 724 IRPA 871 UtC 5637 IRPA 871 UtC 2637 UtC 4166 Hv 8735 IRPA 831 UtC 294 UtC 2536 UtC 4174 UtC 4862 UtC 2527 IRPA 831 UtC 4537 IRPA 831 UtC 1537 - IV 8799 IRPA 849 HV 8796 + HV 8795 UtC 3941 IRPA 834 ANIW 136 IRPA 812</td> <td>3 8 110 8 8 8 8 1 1 2 2 2 8 8 8 8 1 1 2 2 2 8 8 8 8</td> | 7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | />599-/429 />550-/320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7171 7568-7189 7510-7200 7449-7179 7432-7219 7382-7219 7380-7150 7479-6746 />700-6746 7260-6889 7175-6884 7283-6891 7210-6710 7189-6888 /210-6781 7130-6850 /088-6791 7169-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6735 6898-6810 | Dated material Corrastoderma | IRPA 92/ →A 1115 Laboratory number KiA 12246 IRPA 515 UtC 3722 IRPA 561 IRPA 724 IRPA 724 IRPA 871 UtC 5637 IRPA 871 UtC 2637 UtC 4166 Hv 8735 IRPA 831 UtC 294 UtC 2536 UtC 4174 UtC 4862 UtC 2527 IRPA 831 UtC 4537 IRPA 831 UtC 1537 - IV 8799 IRPA 849 HV 8796 + HV 8795 UtC 3941 IRPA 834 ANIW 136 IRPA 812 | 3 8 110 8 8 8 8 1 1 2 2 2 8 8 8 8 1 1 2 2 2 8 8 8 8 |
| | Sui kerfabriek Sooorveg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wolvenest bh 755 Spoorweg bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 399 oh 1050 Sui kerfabriek Vi Vilegveld bh 1004 Sui kerfabriek Vilaterhoek os Westende 1 bh 382 bh 742 Vilegveld bh 363 Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/429 -3.94 -2.77/-2.73 -2.53/2.48 -2.66/2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34 -4.62 -4.08 -3.32 -3.60/-3.50 -2.67 -2.68 -2.00 -2.25 -2.35 -2.35 -2.35 -2.35 -3.42 -2.50 -2.35 -3.42 -2.25 -3.42 -2.25 -3.42 -3.17 | e665.160 Age ¹² C yrs.13-2 6470450 6500455 6420455 6420456 6420456 6420456 6420456 6420456 6420456 6420456 6410466 6770455 6410466 6770455 63004200 6700480 63040±110 6200480 613040±10 65501450 65501450 65501450 61304100 6110465 6110465 5970±120 56601455 6340±110 6340170 58601455 6340±110 6340±110 6310170 58601455 6340±115 5810175 5810175 5810475 6215435 5770±100 | 7506 7434 7420 7420 7375 7359 7296 7296 7296 7296 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 7449-7179 749-718 /429-/1/9 7382-7219 /380-/150 7479-6746 /360-/150 7479-6746 /360-/150 7289-6857 7260-6889 7175-6844 7238-6838 /210-6701 7189-6888 /210-6761 7130-6850 /038-671 7189-6888 /210-6781 7189-6888 /210-6781 7189-6888 /210-6781 7189-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-66729 /149-6729 /149-6729 /149-6729 /149-620 <t< td=""><td>Dated material Corrastoderma Dated material Top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat Corrastoderma intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat top second ceat base intercalated peat base peat (mean)</td><td>IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 4168 HV 8735 IRPA 831 UC 2594 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6537 IRPA 831 IRPA 11945 UC 1537 HV 8/99 IRPA 725 IRPA 829 IRPA 829 IRPA 834 ANIW 136 IRPA 812 IRPA 824 IRPA 824 IRPA 824 IRPA 834 ANIW 136 IRPA 824 RPA 824 IRPA 825 IRPA 8</td><td>3 8 11 3 8 3 11 3 8 8 8 1 1 2 4 2 8 8 11 8 8 3 3 8 11 3 8 8 8 8 1 2 4 2 8 8 11 8 8 3 3 8 12 8 12 8 12 8 12 8</td></t<> | Dated material Corrastoderma Dated material Top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat Corrastoderma intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat top second ceat base intercalated peat base peat (mean) | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 4168 HV 8735 IRPA 831 UC 2594 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6537 IRPA 831 IRPA 11945 UC 1537 HV 8/99 IRPA 725 IRPA 829 IRPA 829 IRPA 834 ANIW 136 IRPA 812 IRPA 824 IRPA 824 IRPA 824 IRPA 834 ANIW 136 IRPA 824 RPA 824 IRPA 825 IRPA 8 | 3 8 11 3 8 3 11 3 8 8 8 1 1 2 4 2 8 8 11 8 8 3 3 8 11 3 8 8 8 8 1 2 4 2 8 8 11 8 8 3 3 8 12 8 12 8 12 8 12 8 |
| | Sui kerfabriek Soonweg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wolvenest bh 1074 Sui kerfabriek Veurne Sui kerfabriek Veurne Sui kerfabriek bh 1050 Sui kerfabriek Viegveid bh 1004 Sui kerfabriek Viegveid bh 1004 Sui kerfabriek Sui kerfabriek | -3 67 -7.94 Sample altitude m 1AW -5.80 -4.35/-4.29 -3.94 -2.77/-2.73 -2.53/-2.48 -2.66/-2.51 -5.04 -3.34 -4.62 -7.94 -2.70/-2.50 -2.67/-2.63 -3.34/-3.33 -4.68/-4.65 -4.08 -3.34 -4.08 -3.34 -4.08 -3.32 -3.60/-3.50 -2.68 -2.00 -2.25 -2.39/-2.33 -2.50 -2.55 -3.42 -2.55 -3.42 -2.55 -3.34/-2.55 -3.42 -2.14/-2.09 -2.25 -3.31/-2.55 -3.1/ -2.37/-2.30 | e665.160 6990.455 6470.450 6470.450 6470.450 6470.450 6480.195 6480.195 6480.195 6480.195 6470.450 6320.1115 6370.1125 6370.1105 6410.460 6/10.450 6/10.450 6100.480 6100.480 650.150 6100.460 6101.408 6110.450 6104.4080 6110.450 6104.4080 6110.450 6340.4110 6330.470 6340.4110 6300.455 6340.4110 6330.470 5950.455 6340.4110 6330.470 5950.455 6340.4110 6330.470 5950.455 6340.4110 5301.075 53830.415 53830.415 53830.415 <t< td=""><td>7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727</td><td>/ 599-/429 / 550-/320 7440-7271 7566-7489 7510-7200 7449-7179 7479-7018 /429-7179 7479-7018 /429-7179 7479-7018 /429-719 /380-7150 7479-6746 /360-7000 7289-6898 7279-6657 7260-6889 7175-6884 7289-6898 7210-6810 7169-6729 /149-6729 /149-6729 /149-6729 7161-6434 6984-6677 7289-6898 6980-6640 6846-6640 6846-6640 6846-6640 6845-6335 6832-6357 6845-6316 6770-6360</td><td>Dated material Corrastoderma</td><td>IRPA 92/ マ⇒A 1115 Laboratory number KiA 12246 IRPA 515 JtC 3722 IRPA 561 JtC 3722 IRPA 561 JtC 3722 IRPA 561 UtC 3637 IRPA 515 JtC 3722 IRPA 561 UtC 2637 UtC 4168 Hv 8795 IRPA 831 UtC 25636 UtC 4162 UtC 262/ IRPA 1074 VLC 4174 UtC 45636 UtC 472 IRPA 1074 N/A 11945 UtC 3941 IRPA 4128 IRPA 4129 IRPA 4128 IRPA 4128 IRPA 4128 IRPA 4128 IRPA 4128 IRPA 4128 <</td><td>3</td></t<> | 7506 7434 7420 7420 7375 7359 7296 7278 7276 7276 7276 7276 7276 7276 727 | / 599-/429 / 550-/320 7440-7271 7566-7489 7510-7200 7449-7179 7479-7018 /429-7179 7479-7018 /429-7179 7479-7018 /429-719 /380-7150 7479-6746 /360-7000 7289-6898 7279-6657 7260-6889 7175-6884 7289-6898 7210-6810 7169-6729 /149-6729 /149-6729 /149-6729 7161-6434 6984-6677 7289-6898 6980-6640 6846-6640 6846-6640 6846-6640 6845-6335 6832-6357 6845-6316 6770-6360 | Dated material Corrastoderma | IRPA 92/ マ⇒A 1115 Laboratory number KiA 12246 IRPA 515 JtC 3722 IRPA 561 JtC 3722 IRPA 561 JtC 3722 IRPA 561 UtC 3637 IRPA 515 JtC 3722 IRPA 561 UtC 2637 UtC 4168 Hv 8795 IRPA 831 UtC 25636 UtC 4162 UtC 262/ IRPA 1074 VLC 4174 UtC 45636 UtC 472 IRPA 1074 N/A 11945 UtC 3941 IRPA 4128 IRPA 4129 IRPA 4128 IRPA 4128 IRPA 4128 IRPA 4128 IRPA 4128 IRPA 4128 < | 3 |
| 1 | Sui kerfabriek Sooorveg Sui kerfabriek bh A78 3-Grachten Sui kerfabriek Wolvenest bh 755 Spoorweg bh 1074 Sui kerfabriek Veurne Sui kerfabriek bh 399 oh 1050 Sui kerfabriek Vi Vilegveld bh 1004 Sui kerfabriek Vilaterhoek os Westende 1 bh 382 bh 742 Vilegveld bh 363 Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek Sui kerfabriek | -3 67 -7 94 Sample altrude m 1AW -5.80 -4.35/4 29 -3.94 -2.77/2.73 -2.53/2 48 -2.65/2 51 -5.04 -3.34 -4.62 -7.94 -2.70/2 50 -2.67/2 63 -3.38/-3.33 -4.62/4 65 -4.08 -3.34 -3.47 -4.14 -3.00/-3.67 -3.32 -3.60/-3.50 -2.268 -2.00 -2.25 -2.39/-2.33 -2.50 -2.25 -3.34/2 9 -2.25 -3.30/-2.25 -3.30/-2.25 -3.30/-2.25 -3.30/-2.25 -3.30/-2.25 -3.10/-2.25 -3 | e665.160 Age ¹² C yrs.13-2 6470450 6500455 6420455 6420456 6420456 6420456 6420456 6420456 6420456 6420456 6410466 6770455 6410466 6770455 63004200 6700480 63040±110 6200480 613040±10 65501450 65501450 65501450 61304100 6110465 6110465 5970±120 56601455 6340±110 6340170 58601455 6340±110 6340±110 6310170 58601455 6340±115 5810175 5810175 5810475 6215435 5770±100 | 7506 7434 7420 7420 7375 7359 7296 7296 7296 7296 7276 7276 7276 727 | />599-/429 />550-//320 Calbrated age 2α range 7440-7271 7568-7189 7510-7200 7449-7179 7449-7179 749-718 /429-/1/9 7382-7219 /380-/150 7479-6746 /380-/150 7479-6746 /380-/150 7479-6746 /380-/150 7289-6838 7210-6810 7189-6888 /210-6781 7189-6888 /210-6781 7189-6888 /210-6781 7189-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-6729 /149-620 <t< td=""><td>Dated material Corrastoderma Dated material Top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat Corrastoderma intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat top second ceat base intercalated peat base peat (mean)</td><td>IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 4168 HV 8735 IRPA 831 UC 2594 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6537 IRPA 831 IRPA 11945 UC 1537 HV 8/99 IRPA 725 IRPA 829 IRPA 829 IRPA 834 ANIW 136 IRPA 812 IRPA 824 IRPA 825 IRPA 825 IRPA</td><td></td></t<> | Dated material Corrastoderma Dated material Top basal peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat Corrastoderma intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat base intercalated peat top second ceat base intercalated peat base peat (mean) | IRPA 92/ RPA 92/ RPA 1115 Laboratory number KiA 12246 IRPA 515 UC 3722 IRPA 561 IRPA 724 IRPA 8/1 UC 5637 IRPA 8/1 UC 2637 UC 4168 HV 8735 IRPA 831 UC 2594 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6536 UC 4174 UC 6537 IRPA 831 IRPA 11945 UC 1537 HV 8/99 IRPA 725 IRPA 829 IRPA 829 IRPA 834 ANIW 136 IRPA 812 IRPA 824 IRPA 825 IRPA | |

| N" | Ste | Sample attude m IAW | Age ¹⁴ C yrs ∃P | Calibrated age yrs BP | Cal brated age 2σ range | Dated material | Laboratory number | Re*. |
|---|--|--|--|---|--|--|--|--|
| 73 | Spermalie 2 | -1 04 | 5650±70 | 6445 | 6632-6298 | top basa peat | IRPA 519 | 1 |
| 74 | Dijk | -2 59/-2.54 | 5550±75 | 6314 | 6523-6194 | too intercalated oeat | IRPA 613 | 3 |
| 75 | V iegveld | -1 96 | 5540155 | 6312 | 6449-6279 | base intercalated peat | IRPA 924 | 3 |
| 76 | bh 746 | -0 56 | 5490±100 | 6299 | 6479-5995 | base basal oeat | IRPA 722 | 3 |
| 11 | bh 1004 | -2.74/-2.70 | 5480±80 | 6290 | 6456-6170 | too intercalated peat | UtC 2291 | 6 |
| 78 | bh 1074 | -3 43 | 5885±35 | 6287 | 6399-6192 | Scrobicularia | UtC 5999 | 6 |
| 79 | Waterhoek | -2 31/-2 25 | 5400±90 | 6195 | 6406-5951 | too gytja | IRPA 8/5 | 4 |
| 80 | bn 1057 | -0 55 | 5395±40 | 6195 | 6288-6167 | base gytt a | UtC 5539 | 6 |
| 81 | Jacobs | -0.82/-0.80 | 5360±70 | 6184 | 6299-5951 | base interca ated peat | IRPA 538 | 3 |
| | | | | | | | | 1 |
| 82 | B 71 | -1 25 | 5310±190 | 6100 | 6479-5652 | base basal beat | ANTW 251 | |
| 83 | 3-Grachten | -2.22/-2.16 | 5220±70 | 5982 | 6189-5770 | base interca ated peat | IRPA 531 | 3 |
| 84 | Suikerfabriek | -0.67 | 5610±55 | 5980 | 6160-5880 | Scrobicularia | IRPA 1078 | 5 |
| 85 | Violon | -0.45/-0.40 | 5160170 | 5937 | 6170-5739 | base intercalated peat | IRPA 562 | 2 |
| 86 | Suikerfabriek | -7 00 | 5430±55 | 5822 | 5930-5650 | Spisula | UtC 3/19 | 5 |
| 87 | Orth Kerk | -0.49/-0.46 | 5130±70 | 5923 | 6163-5729 | base interca ated peat | IRPA 532 | 3 |
| 88 | B /1 | -0 85 | 5100±140 | 5906 | 6189-5589 | top basa peat | ANTW 250 | 1 |
| 89 | Westende 1 | -0.80/-0.75 | 5125±55 | 5890 | 6000-5730 | base intercalated peat | IRPA 846 | 3 |
| 90 | Suikerfabriek | -7 00 | 5420±50 | 5766 | 5910-5650 | Cerastodema | UtC 4178 | 5 |
| 91 | bh 747 | +0.99 | 4990±70 | 5732 | 5929-5589 | base basal oeat | IRPA 723 | 12 |
| 92 | Wolvenest | -0.53/-0.49 | 4970170 | 5729 | 5919-5589 | base interca ated peat | IRPA 560 | 3 |
| 93 | Spoorweg | +0.56/+0.49 | 4920±55 | 5/13 | 5858-5494 | pase interca ated peat | IRPA 848 | 3 |
| 93 94 | | +0.99/+0.89 | | | 5900-5600 | | | 3 |
| | bh 747 | | 4990170 | 5710 | | base interca ated peat | IRPA 723 | |
| 95 | Waterhoek bis | -1.86/-1.84 | 4915±60 | 5630 | 5754-5578 | base interca ated peat | NZA 11943 | 12 |
| 96 | B14 Bulskamp | -0 02 | 5280±35 | 5622 | 5753-5543 | Scrobicularia | K A 12255 | 7 |
| 97 | Spermalie 2 | -0.39/-0.29 | 4860±70 | 5610 | 5720-5430 | base intercalated peat | IRPA 518 | З |
| 98 | Noernof | +0.95/+0.90 | 4830±70 | 5588 | 5729-5330 | base surface peat | IRPA 564 | 3 |
| 99 | V iegveld | -1.68/-1.64 | 4820170 | 5570 | 5680-5390 | too intercalated oeat | IRPA 866 | 3 |
| 100 | Suikerfabriek | -2 77 | 5170±45 | 5555 | 5650-5380 | Bamea | UtC 3725 | 5 |
| 101 | Suikerfabriek | -2 65 | 5160150 | 5546 | 5630-5340 | Barnea | UtC 4176 | 5 |
| 102 | bh 363 | +0.10 | 4800±80 | 5509 | 5/28-5319 | base intercalated peat | HV 8/94 | 3 |
| 103 | Suikerfabriek | -7 00 | 5140150 | 5493 | 5610-5320 | Cerastoderma | UtC 4171 | 5 |
| 104 | Oostkerke | +1.08/+1.05 | 4750±70 | 5472 | 5649-5309 | base interca ated peat | IRPA 868 | 3 |
| 105 | bh 990 | +0.14 | 4720±100 | 5460 | 5652-5253 | base basal peat | UtC 2636 | 6 |
| 106 | | -1.56/-1.52 | 4700±70 | 5453 | 5589-5299 | | | 8 |
| | V legveld | -1.30/-1.32 | 4/00±/0 | 5455 | 2208-2288 | base interca ated peat | IRPA 865 | 0 |
| | | 4 5014 50 | 4700.70 | F 400 | 5500 5000 | trans interest startings | 0.005 | |
| 107 | V iegveld | -1.56/-1.52 | 4700±70 | 5400 | 5580-5280 | base interca ated peat | RPA 865 | 3 |
| 107 108 | V iegveld Gracht 2 | -1 56/-1 52 +2.70 | 4700±70 4660±50 | 5400 5400 | 5580-5280 5488-5287 | base intercalated peat base basal oeat | IRPA 865 UtC 4143 | 3 12 |
| | | | | | | | | |
| 108 | Gracht 2 | +2.70 | 4660150 | 5400 | 5488-5287 Calibrated age 2d range | base basal oea: Dated material | UtC 4143 | 12 |
| 108 N° 109 | Gracht 2 Site Suikerfabriek | +2.70 Sample attude m TAW +0.18 | 4660150 Age ¹⁴ C yrs 3P 4610140 | 5400 Caliorated age yrs BP 5314 | 5488-5287 Cal brated age 2o range 5450-5250 | case basal oea; Dated material oase interca ated peat | UtC 4143 Laboratory number IRPA 1180 | 12 Ref. 5 |
| 108 N° 109 110 | Gracht 2 Ste Suikerfabriek Dam 5 | +2.70 Sample attude m TAW +0.18 +3.25 | 4660150 Age ¹⁴ C yrs BP 4610140 4600±50 | 5400 Caliorated age yrs B⊃ 5314 5307 | 5488-5287 Cal braxed age 2orrange 5450-5250 5336-5241 | base basal oea: Dated material base interca ated peat base basal oea: | UtC 4143 Laboratory number IRPA 1180 UtC 4144 | 12 Ref. 5 12 |
| 108 N° 109 110 111 | Gracht 2 Ste Suikerfabriek Dam 5 Wale 2 | +2.70 Samole attude m TAW +0.18 +3.25 +3.40 | 4660150 Age ¹⁴ C yrs 3P 4610140 4600±50 4560±60 | 5400 Caliorated age yrs BP 5314 5307 5293 | 5488-5287 Cal brated age 2d range 5450-5250 5336-5241 5330-5029 | base basal oea; Dated material base interca ated peat base basal oea; base basal oea; | UtC 4143 Laboratory humber IRPA 1180 UtC 4144 UtC 4145 | 12 Ref. 5 12 12 |
| 108 N° 109 110 111 112 | Gracht 2 Ste Suikerfabriek Dam 5 Wale 2 Leffinge | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 | 4660150 Age ¹⁴ C yrs 3P 4610140 4600±50 4560±60 4465±220 | 5400 Caliorated age yrs BP 5314 5307 5293 5049 | 5488-5287 Cal brated age 2d range 5450-5250 5336-5241 5330-5029 5649-4457 | base basal oea; Dated material base interca ated peat base basal oea; base basal oea; base basal oea; | UtC 4143 Laboratory number IIRPA 1180 UtC 4144 UtC 4145 IRPA 282 | 12 Ref. 5 12 12 12 1 |
| 108 109 110 111 112 113 | Gracht 2 Site Suikerfabriek Dam 5 Wale 2 Leffinge Waterhoek | +2,70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 | 4660150 Age ¹⁴ C yrs 3₽ 4610⊥40 4600150 4560±60 4465±220 4460±60 | 5400 Caliorated age yrs 3⊃ 5314 5307 5293 5049 5048 | 5488-5287 Cal braxed age 2d range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 | base basal oea; Dated material oase interca ated peat base basal oeat base basal oeat base basal oeat c ayey peat | UtC 4143 Laboratory humber IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 873 | 12 Re ^r . 5 12 12 12 1 4 |
| N° 109 110 111 112 113 114 | Gracht 2 Site Suike fabriek Dam 5 Wale 2 Leffinge Waterhoek Suike fabriek | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 | 4660150 Age ¹⁴ C yrs 3P 4610140 4600150 4560160 44651220 4460160 4790150 | 5400 Caliorated age yrs BP 5314 5307 5293 5049 5048 5048 5027 | 5488-5287 Calbrated age 20 range 5356-5250 5336-5241 5330-5029 5649-4457 5299-4868 5240-4870 | Dated material Dated material Dase interca ated peat Dase basal ceat Dase basal ceat Dase basal ceat Carastoderma | UtC 4143 Laboratory number IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 282 IRPA 1114 | 12 5 12 12 1 4 5 |
| N° 109 110 111 112 113 114 115 | Gracht 2 Ste Suike-fabriek Dam 5 Wale 2 Leffinge Waterhoek Suike-fabrek Adinkerke Autostr | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 | 4660150 Age ¹⁴ C yrs 3P 4610140 4600±50 4560±60 4465±220 4460±60 4790150 4435±40 | 5400 Calibrated age yrs BP 5314 5307 5293 5049 5048 5027 5000 | 5488-5287 Cal brazed age 20 range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4868 5240-4870 5079-4869 | base basal cea; Dated material case interca ated peat base basal cea; base basal cea; cayey peat <i>Cerastoderma</i> case interce ated peat | Laboratory humoer IIRPA 1180 UC 4144 UC 4145 IRPA 282 IRPA 873 IIRPA 1114 IRPA 1151 | 12 5 12 12 1 4 5 7 |
| 108 № 109 110 111 112 113 114 115 116 | Gracht 2 Ste Suikerfabriek Dam 5 Wale 2 Leffinge Waterhoek Suikerfabriek Adinkerke Autostr Lekebek 2 | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 | 4660150 Age ¹⁴ C yrs 3P 4610140 4600±50 4560±60 4465±220 4460±60 4790150 4435±40 4270170 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5048 5048 5027 5000 4838 | 5488-5287 Calbrated age 2d range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4868 5240-4870 5079-4869 4989-4790 | Dated material oase interca ated peat base basal oeat base basal oeat base basal oeat c ayey peat <i>Cerrastoclerma</i> base interca ated peat base basal oeat | UtC 4143 IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 873 IRPA 1114 IRPA 1151 UtC4142 | 12 5 12 12 1 4 5 7 12 |
| 108 № 109 110 111 112 113 114 115 116 117 | Gracht 2 Ste Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Surkerfabriek Adinkerke Autostr Lekebek 2 Neuwooort 2 | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.707-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 | 4660150 Age ¹¹ C yrs 3P 4610140 4600150 4560160 4465±220 4460160 4790150 4435±40 4435±40 4270170 4220165 | 5400 Caliorated age yrs 3⊅ 5314 5307 5043 5048 5048 5027 5000 4838 4743 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4889 4989-4790 4986-4953 | base basal cea; Dated material base interca ated peat base basal cea; base basal cea; base basal cea; cayey peat Cerastocerma base basal cea; base basal cea; cayes peat cerastocerma base basal cea; base interca ated peat | Ltc 4143 IRPA 1180 Utc 4144 Utc 4145 IRPA 282 IRPA 873 IRPA 1114 IRPA 1151 Utc 4142 IRPA 726 | 12 5 12 12 1 4 5 7 12 3 |
| 108 109 110 111 112 113 114 115 116 117 118 | Grecht 2 Site Dam 5 Wale 2 Leffinge Waterhoek Suikerfabnek Suikerfabnek Adinkerke Autostr Lekebek 2 Newpoort 2 GBV | +2:70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 | 4660.150 Age ¹¹ C yrs 3P 4610.140 4600.50 4560.60 4456.5220 4460.460 44790.150 4435.440 4270.170 4220.65 3970.135 | 5400 Caliorated age yrs B⊃ 5314 5307 5293 5048 5048 5048 5048 5027 5000 4838 4435 | 5488-5287 Cal brazed age 20 range 5450-5250 5336-5029 5649-4457 5299-4868 5240-4870 5079-4869 4999-4790 4956-4553 4524-4543 | Dated material Dated material oase interca ated peat base basal oeat base basal oeat cayey peat <i>Cerastoderma</i> base interca ated peat base interca ated peat base interca ated peat | LtC 4143 Laboratory humber IIRPA 1180 UIC 4144 UIC 4145 IRPA 282 IRPA 373 IIRPA 1151 UIC 4142 IRPA 1151 UIC 4142 IRPA 726 UIC 824/ | 12 Re ^r . 5 12 12 1 4 5 7 12 3 7 |
| 108 № 109 110 111 112 113 114 115 116 117 | Gracht 2 Ste Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Surkerfabriek Adinkerke Autostr Lekebek 2 Neuwooort 2 | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.707-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 | 4660150 Age ¹¹ C yrs 3P 4610140 4600150 4560160 4465±220 4460160 4790150 4435±40 4435±40 4270170 4220165 | 5400 Caliorated age yrs B≫ 5314 5307 5293 5048 5048 5027 5000 4838 4743 4415 4410 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4889 4989-4790 4986-4953 | base basal cea; Dated material base interca ated peat base basal cea; base basal cea; base basal cea; cayey peat Cerastocerma base basal cea; base basal cea; cayes peat cerastocerma base basal cea; base interca ated peat | Ltc 4143 IRPA 1180 Utc 4144 Utc 4145 IRPA 282 IRPA 873 IRPA 1114 IRPA 1151 Utc 4142 IRPA 726 | 12 Ref. 5 12 12 1 4 5 7 12 3 / 7 |
| 108 109 110 111 112 113 114 115 116 117 118 | Grecht 2 Site Dam 5 Wale 2 Leffinge Waterhoek Suikerfabnek Suikerfabnek Adinkerke Autostr Lekebek 2 Newpoort 2 GBV | +2:70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 | 4660.150 Age ¹¹ C yrs 3P 4610.140 4600.50 4560.60 4456.5220 4460.460 44790.150 4435.440 4270.170 4220.65 3970.135 | 5400 Caliorated age yrs B⊃ 5314 5307 5293 5048 5048 5048 5048 5027 5000 4838 4435 | 5488-5287 Cal brazed age 20 range 5450-5250 5336-5029 5649-4457 5299-4868 5240-4870 5079-4869 4999-4790 4956-4553 4524-4543 | Dated material Dated material oase interca ated peat base basal oeat base basal oeat cayey peat <i>Cerastoderma</i> base interca ated peat base interca ated peat base interca ated peat | LtC 4143 Laboratory humber IIRPA 1180 UIC 4144 UIC 4145 IRPA 282 IRPA 373 IIRPA 1151 UIC 4142 IRPA 1151 UIC 4142 IRPA 726 UIC 824/ | 12 Re ^r . 5 12 12 1 4 5 7 12 3 7 |
| 108 N° 109 110 111 112 113 114 115 116 117 118 119 | Gracht 2 Ste Sure-rabnek Dam 5 Wale 2 Lefringe Waterhoek Suikerke Autosm Lekebek 2 Neuwoort 2 GBV CBV | +2,70 58mple attude m TAW +0.18 +3.25 +3.40 +1.80 -0.7040.666 -2.46 +0.93 +3.82 +0.19(+0.12) +1.40 +1.60 | 4660150 Age ¹¹ C yrs 3P 4610140 4600250 4560460 44651220 44651220 4465140 4790150 4790150 4220165 3970135 3970135 | 5400 Caliorated age yrs B≫ 5314 5307 5293 5048 5048 5027 5000 4838 4743 4415 4410 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4869 4398-4790 4396-4563 4524-4343 4231-4052 | base basal peat Dated material base interca ated peat base basal peat base basal peat base basal peat <i>careastoderma</i> base interca ated peat base interca ated peat base interca ated peat bos interca ated peat base interca ated peat | LtC 4143 IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 873 IRPA 1114 IRPA 1151 UtC 4142 IRPA 726 UtC 824/ UtC 8248 | 12 Ref. 5 12 12 1 4 5 7 12 3 / 7 |
| 108 109 110 111 112 113 114 115 116 117 118 119 120 | Gracht 2 Ste Suicertabriek Dam 5 Wale 2 Leffinge Waterhoek Suicertabriek Adinkerke Autosir Leikebek 2 Neuwooot 2 GBV Kronfort | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 | 4660.150 Age ¹¹ C yrs 3P 4610.40 4600350 4560450 4465±220 4465±220 4465±220 4435±40 47901.50 4435±40 4220455 39/01.35 37/60±35 4065±35 | 5400 Caliorated age yrs BP 5314 5307 5049 5049 5049 5048 5027 5000 4433 4413 4415 4100 4083 | 5488-5287 Calbrated age 2 <i>a</i> range 5450-5250 5336-5241 5330-5028 5249-4457 5299-4869 5240-4870 5079-4869 4998-4790 4958-4563 4524-4543 4524-4343 4231-4052 4238-3925 | base basal cea; Dated material case interca ated peat base basal cea; base basal cea; cayey peat Cerastoderma base interca ated peat base interca ated peat; base interca ated peat; base interca ated peat; too intercalated cea; Scrobbcularia | UtC 4143 IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 873 IRPA 873 IRPA 1151 UtC 4142 IRPA 726 UtC 824/ UtC 8248 UtC 5386 | 12 Ref. 5 12 12 1 4 5 7 12 3 / 7 7 7 |
| N° 109 110 111 112 113 114 115 116 117 118 119 120 121 122 | Gracht 2 Ste Suice fabriek Dam 5 Wale 2 Leffinge Waterhoek Suice fabriek Adinkerke Autosir Lekebek 2 Neuwooot 2 GBV Kromfort Lekebek 4 | +2,70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 | 4660.50 Age ^{1/} C yrs 3P 4610.40 4600.50 4560.60 4465±220 4460.80 4790.50 43540 42701.70 4220.65 39/0.35 40654.35 40654.35 40654.50 3640.40 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5048 5048 5027 5000 4838 4743 4415 4410 4408 4077 3931 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4868 4998-4790 4964-4563 4524-4543 4231-4052 4238-3925 4261-3894 4052-3850 | base basal cea; Dated material base interca ated peat base basal cea; base basal cea; base basal cea; cayey peat Cerastoderma base interca ated peat base interca ated peat base interca ated peat too intercalated cea; Scrobioularia Hydrobia base basal cea; | Ltc 4143 IRPA 1180 UIC 4144 IRPA 282 IRPA 873 IRPA 1114 IRPA 1114 IRPA 1114 IRPA 1151 UIC 4142 IRPA 726 UIC 8246 UIC 5826 UIC 5827 IRPA 1173 | 12 Ret. 5 12 12 1 4 5 7 12 3 / 7 7 7 12 |
| N° 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 | Gracht 2 Site Suicertabriek Dam 5 Wale 2 Lefinge Waterhoek Suicertabriek Adinkerke Autostr Lekebek 2 Neuwooot 2 CBV Kronfort Kronfort Lekebek 4 Neuwoot 2 | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 +3.82 +0.93/0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/40.57 | 4660.150 Age ¹¹ C yrs 3P 4610.140 4600.350 4456.420 4465.±220 4465.±220 4435.±40 4790.150 4435.±40 42204.65 39/0.135 30/60.35 4065.535 4065.535 4065.50 3640.40 3380.60 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5048 5048 5027 5000 4838 4743 4415 4100 4083 4077 3931 3885 | 5488-5287 Calbrated age 2 <i>o</i> range 5450-5250 5330-5029 5649-4457 5299-4868 5240-4870 5079-4869 4998-4790 4564-4963 4524-4943 4524-4943 4231-4052 4233-3925 4261-3894 4052-3709 | base basal cea; Dated material case interca ated peat base basal cea; base basal cea; base basal cea; cayey peat Cerastoderma base interca ated peat base interca ated peat; base interca ated peat; too intercalated cea; Scrobiolaria base basal cea; base basal cea; | LtC 4143 Laboratory numoer IIRPA 1180 UIC 4144 UIC 4145 IRPA 873 IIRPA 873 IIRPA 1151 UIC 4142 IRPA 726 UIC 6247 UIC 6386 UIC 5386 UIC 5386 UIC 5386 UIC 5386 UIC 5387 IIRPA 1173 IIRPA 727 | 12 5 12 12 1 4 5 7 12 3 7 7 7 7 7 2 3 3 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 | Gracht 2 Site Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Surkerfabriek Adinkerke Autostr Lekebek 2 Neuwooot 2 GBV GBV GBV GBV Wolvenest Kronflort Lekebek 4 Neuwooot 2 Wolvenest | +2.70 58mple attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.08/+0.15 | 4660.150 Age ^{1/} C yrs 32 46101.40 4600350 4560360 44651220 4460460 4460460 44790150 442701.70 4220485 3970135 3760435 40665435 40665435 4060450 3640440 3380160 3350160 | 5400 Caliorated age yrs B≫ 5314 5307 5293 5048 5048 5027 5000 4838 4743 4415 4100 4083 4077 3931 3885 3844 | 5488-5287 Calbrazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4869 4989-4790 4964-4963 4524-4343 4231-4052 4238-3925 4261-3894 4052-3850 4082-3709 4085-3689 | Dated material Dated material Dated material Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Cerastocerma Dase interce ated peat Dase basal ceat: Dase interce ated peat Dase basal ceat: Scrobibularis Hydrobia Dase basal ceat: too intercalated ceat: Dase basal ceat: too intercalated ceat: Hydrobia Dase basal ceat: too intercalated ceat: Dase interca ated peat | Ltc 4143 IRPA 1180 Utc 4144 IRPA 202 IRPA 202 IRPA 202 IRPA 1114 IRPA 1114 IRPA 1151 Utc 4142 IRPA 1114 IRPA 126 Utc 8248 Utc 5327 IRPA 1173 IRPA 207 IRPA 860 | 12 5 12 1 4 5 7 12 3 7 7 7 7 2 3 3 3 |
| NP 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 | Gracht 2 Ste Suicertabriek Dam 5 Walle 2 Leffinge Waterhoek Suicertabriek Adinkerke Autostr Lekkebek 2 Kromfort Kromfort Kromfort Kromfort Kromfort Adinkerke Autostr Adinkerke Autostr | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.93/+0.12 +1.40 +1.60 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.18/+0.15 +1.53 | 4660.150 Age ¹⁴ C yrs 3P 4610.140 4600±50 44561±60 4465±220 4465±220 4435440 47901.50 47901.50 47901.50 39701.53 39701.35 3060±50 39640440 35801.60 35501.40 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5049 5048 5027 5000 4838 4743 4415 4100 4083 4077 3931 3885 3844 3835 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4869 4898-4790 4884-4953 4524-4343 4231-4052 4238-3925 4261-3894 4052-3850 4082-3709 4065-3689 3919-3702 | Dated material Dated material Dase interca ated peat Dase basal ceat Dase basal ceat Dase basal ceat Dase basal ceat Carastochema Dase interca ated peat Dase interca ated peat too intercalated ceat Scrobioulerie Hydrobia Dase interca ated peat too intercalated ceat Dase interca ated peat too intercalated ceat Dase interca ated peat too intercalated ceat Dase interca ated peat | UtC 4143 IRPA 1180 UtC 4144 UtC 4145 RPA 282 RPA 873 IRPA 1114 IRPA 1151 UtC 4142 IRPA 726 UtC 8248 UtC 5886 UtC 5886 UtC 5527 IRPA 1173 IRPA 727 IRPA 860 IRPA 1185 | 12 5 12 12 1 4 5 7 12 3 7 7 7 12 3 3 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 | Gracht 2 Site Suicerfabriek Dam 5 Wale 2 Lefinge Waterhoek Adinkerke Autostr Lekebek 2 Neuwooot 2 GBV GBV Kromfort Kromfort Kromfort Kromfort Kromfort Adinkerke Autostr Weuwoot 2 Wolvenest Adinkerke Autostr Wulyen | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 +3.82 +0.91/40.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/40.57 +0.18/40.15 +1.83 | 4660.150 Age ¹¹ C yrs 3P 4610.140 4600.350 4456.140 4455.220 4465.1220 4435.120 4435.140 42701.70 4220465 3970.135 30760.35 30760.35 30760.35 3604.340 3380.160 3550.160 3550.140 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5048 5048 5027 5000 4838 4743 4415 4415 4410 4083 4077 3931 3885 3844 3835 3767 | 5488-5287 Calbrated age 20 range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4868 5240-4870 5079-4869 4999-4790 4564-4963 4524-4943 4524-4963 4524-4943 4524-4964 4523-3925 4251-3894 4052-3709 4055-3689 3919-3702 3961-3629 | Dated material Dated material oase interca ated peat base basal oeat base basal oeat base basal oeat c ayey peat Cerastoderma base interca ated peat base interca ated peat base interca ated peat too intercalated oeat base basal oeat too intercalated oeat base interca ated peat too peat | Ltc 4143 Laboratory number IIRPA 1180 UIC 4144 UIC 4145 IRPA 873 IIRPA 1151 UIC 4142 IRPA 1151 UIC 4142 IRPA 726 UIC 8247 UIC 8248 UIC 5386 UIC 5386 UIC 5527 IRPA 1173 IRPA 727 IRPA 327 IRPA 327 | 12 Ref. 5 12 12 1 4 5 7 12 3 / 7 7 12 3 / 7 12 3 / - 3 / 3 / 3 / - - - - - - - - - - - - - |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 | Gracht 2 Ste Sure fabriek Dam 5 Wale 2 Leffinge Waterhoek Sure fabriek Adinkerke Autoszi Kromfort Lekebek 4 Neuwooot 2 GBV Kromfort Lekebek 4 Neuwooot 2 Wolvenest Adinkerke Autoszi Wupen GBV | +2,70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.61/+0.57 +0.18/+0.75 +1.58 +1.83 +2.25 | 4660.150 Age ¹¹ /C yrs 3P 4610.140 4600.950 44560.460 44561.220 4460.160 44790.150 4435.140 42701.70 4220.465 33760.33 40653.35 40653.35 40653.35 4060.50 3550.140 3550.140 3550.140 3550.140 | 5400 Caliorated age yrs B≫ 5314 5307 5293 5048 5048 5027 5000 4835 4743 4415 4410 4403 4077 3931 3885 3844 3835 3787 3631 | 5488-5287 Cal brazed age 2 <i>s</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4670 5079-4869 43984-4563 4398-4790 43964-4563 4452-4343 4238-3925 4261-3844 4052-3850 4052-3850 4052-3689 3919-3702 3961-3629 3702-3548 | base basal peat Dated material base nierca ated peat base basal peat base basal peat base basal peat c aryey peat Cerastoderma base interca ated peat base interca ated peat base interca ated peat base interca ated peat too intercalated peat base basal peat too intercalated peat base interca ated peat base peat | Ltc 4143 IRPA 1180 UIC 4145 RPA 282 RPA 873 IRPA 1114 IRPA 1151 UIC 4142 RPA 282 IRPA 1114 IRPA 1151 UIC 4142 IRPA 124 UIC 8248 UIC 5827 IRPA 1173 IRPA 727 IRPA 860 IRPA 1237 | 12 Ref. 5 12 12 1 4 5 7 12 3 / 7 7 12 3 / 7 7 12 3 / 7 7 12 3 / 7 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 12 3 / 7 7 12 3 / 7 7 12 3 / 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 120 121 122 123 124 125 126 127 128 | Gracht 2 Ste Suicertabriek Dam 5 Wale 2 Leffinge Waterhoek Suicertabriek Adinkerke Autostr Lekebek 2 Neuwoont 2 Wolvenest Adinkerke Autostr Lekebek 4 Neuwoont 2 Wolvenest Adinkerke Autostr Adinkerke Autostr GBV Kromfort Kromfort Kromfort Adinkerke Autostr Mulpen GBV bn 363 | +2.70 Sample attude m TAW/ +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.93/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.18/+0.15 +1.58 +1.83 +2.25 +1.75 | 4660.150 Age ¹⁴ C yrs 3P 4610.140 4600.50 4456.4220 4465.4220 4465.4220 4435.440 4790.150 4435.440 4220.465 33760.435 4060.550 33760.435 4060.550 3580.160 3580.160 3580.140 3490.450 3490 | 5400 Caliorated age yrs BP 5314 5307 5049 5049 5048 5027 5000 4433 4743 4415 4100 4083 4077 3931 3885 3844 3835 3844 3835 3787 3631 3554 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5028 5249-4857 5299-4869 5240-4870 5079-4869 4989-4790 4564-4563 4524-4343 4231-4052 428-3925 428-3925 428-3925 428-3925 4082-3709 4065-3689 3919-3702 3961-3628 379-3548 3699-3379 | Dated material Dated material Dase interca ated peat Dase basal oeat Dase basal oeat Dase basal oeat Dase basal oeat Dase basal oeat Cerastoderma Dase interca ated peat Dase interca ated peat Dase interca ated peat too intercalated oeat Dase interca ated peat Dase peat interca ated peat Dase peat | UtC 4143 IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 873 IRPA 1151 UtC 4145 IRPA 726 UtC 8244 UtC 8386 UtC 5386 UtC | 12 Ref. 5 12 12 1 4 5 7 12 3 7 7 12 3 7 7 12 3 7 7 2 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 | Gracht 2 Site Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Suikerfabriek Adinkerke Autostr Lekebek 2 Neuwooot 2 GBV GBV GBV Kronfloct Lekebek 4 Neuwooot 2 Wolvenest Adinkerke Autostr Wupen GBV bn 363 GBZ | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 +3.82 +0.19/40.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/40.57 +0.88/40.15 +1.83 +1.83 +2.25 | 4660.150 Age ¹¹ C yrs 32° 46110.140 4600.150 4560.150 44561.220 4460.160 4790.150 42701.70 4220.165 3370.135 3700.35 3700.35 3700.35 3640.40 3580.160 3550.140 3590.140 | 5400 Caliorated age yrs B ²⁰ 5314 5307 5043 5043 5043 5027 5000 4838 4743 4415 4410 4083 4475 4410 4083 4077 3831 3885 3844 3835 3787 3631 3554 3469 | 5488-5287 Calbrated age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4869 4898-4/90 4896-4953 4524-4343 4231-4052 4238-3925 4205-3850 4052-3850 4052-3850 4052-3850 3919-3/02 3919-3/02 3919-3/02 3919-3/02 3919-3/02 3919-3/02 39579-3380 | Dated material Dated material Dated material Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Cerastoderma Dase basal ceat: Dase interca ated peat Dase basal ceat: Dase interca ated peat too intercalated ceat: Scrobicularis Hydrobia Dase basal ceat: too intercalated ceat: top ceat: Dase interca ated peat too intercalated ceat: Dase interca ated peat top ceat: Dase peat too intercalated ceat: Dase interca ated peat too intercalated ceat: Dase interca ated peat top ceat: Dase read peat | Ltc 4143 IRPA 1180 UIC 4144 IRPA 202 IRPA 202 IRPA 202 IRPA 1114 IRPA 1114 IRPA 1151 UIC 4142 IRPA 1151 UIC 4142 IRPA 226 UIC 5247 UIC 5248 UIC 5527 IRPA 1173 IRPA 201 IRPA 202 IRPA 202 | 12 Ref. 5 12 12 14 5 7 7 7 7 2 3 / / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / - - - - - - - - - - - - - |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 | Gracht 2 Ste Suicertabriek Dam 5 Wale 2 Leffinge Waterhoek Suicertabriek Adinkerek Autosir Lekebek 2 Neuwoont 2 GBV Kromfort Lekebek 4 Neuwoont 2 GBV Kromfort GBV Mupen GBV bh 363 GBZ Kromfort | +2,70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.16/+0.57 +0.16/+0.15 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +2.50 | 4660.150 Age ¹¹ /C yrs 3P 4610.140 4600.50 44561.40 4465±220 4465±220 4465±220 44790.150 44790.150 43700.150 39700.35 39700.35 306450 3640140 3550.160 3550.160 3550.140 3490.50 3290.80 3290.80 3270±40 3055±35 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5049 5048 5027 5000 4838 4743 4415 4410 4403 4077 3831 3844 3835 3844 3835 3787 3631 3554 3469 3260 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4868 4998-4790 4964-4563 4524-4343 4231-4052 4238-3925 4261-3894 4052-3850 4022-3709 4055-3869 3919-3702 3961-3629 3702-3548 3699-3373 3579-3380 3355-3201 | Case basal cea; Dated material case interca ated peat base basal cea; base basal cea; base basal cea; cayey peat Cerastoderma base basal cea; cayey peat Cerastoderma base interca ated peat base interca ated peat too intercalated cea; Scrobicularis Hydrobia base basal cea; too intercalated cea; base interca ated peat base interca ated peat too intercalated cea; base interca ated peat base peat; too intercalated cea; base interca ated peat base peat; too intercalated cea; base interca ated peat base peat; base reed peat vegetation norzon | Ltc 4143 IRPA 1180 UIC 4144 UIC 4145 RPA 282 RPA 873 IRPA 1114 IRPA 1114 IRPA 1151 UIC 4142 IRPA 726 UIC 8247 UIC 8248 UIC 5288 UIC 527 IRPA 1173 IRPA 127 IRPA 427 IRPA 427 IRPA 427 IRPA 427 IRPA 427 IRPA 427 IRPA 427 IRPA 123 HV 6793 IRPA 1231 UIC 5122 | 12 Ref. 5 12 12 14 5 7 12 3 7 7 7 12 3 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 123 124 125 126 127 123 124 125 126 127/ 1300 131 | Gracht 2 Site Suice-rabriek Dam 5 Wale 2 Leffinge Waterhoek Adinkerke Autosir Lekebek 2 Neuwoont 2 GBV Kromfort Kromfort Lekebek 4 Neuwoont 2 Wolvenes: Adinkerke Autosir Usekebek 4 Neuwoont 2 Wolvenes: Adinkerke Autosir GBV GBV GBV GBV Site and Site and Sit | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.93/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.18/+0.15 +1.58 +1.83 +2.25 +1.75 +2.35 +2.50 +3.20 | 4660.150 Age ¹¹ C yrs 3P 4610.140 4600350 4450420 4465±220 4465±220 4435±40 44790.150 4435±40 4790.150 4435±40 4220465 39/0135 3760435 4060350 3640440 3580.160 3550.140 3580.140 3590.133 3590.133 3590.140 3590.140 3590.140 3590.140 3590.140 3590.140 3590.140 3590.140 3590.145 3290480 3270440 3655±35 3065±45 | 5400 Caliorated age yrs BP 5314 5307 5293 5043 5043 5043 5043 5027 5000 4438 4743 4415 4410 4083 4474 4415 4400 4083 4077 3931 3885 3844 3835 3844 3845 3787 3631 3554 3469 3259 | 5488-5287 Calbrated age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 4999-4790 4564-4563 4524-4343 4231-4052 4233-3925 4261-3894 4055-3869 3919-3709 3961-3629 3702-3548 3699-3379 3579-3380 3355-3201 3360-3143 | Dated material Dated material Dated material Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Cerastoderma Dase basal ceat: Dase interca ated peat Dase basal ceat: Dase interca ated peat too intercalated ceat: Scrobicularis Hydrobia Dase basal ceat: too intercalated ceat: top ceat: Dase interca ated peat too intercalated ceat: Dase interca ated peat top ceat: Dase peat too intercalated ceat: Dase interca ated peat too intercalated ceat: Dase interca ated peat top ceat: Dase read peat | Ltc 4143 Laboratory numoer IIRPA 1180 UIC 4144 UIC 4145 IRPA 873 IIRPA 1151 UIC 8247 UIC 8247 UIC 8248 UIC 5386 UIC | 12 Ref. 5 12 12 12 14 5 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 | Gracht 2 Ste Suicertabriek Dam 5 Wale 2 Leffinge Waterhoek Suicertabriek Adinkerek Autosir Lekebek 2 Neuwoont 2 GBV Kromfort Lekebek 4 Neuwoont 2 GBV Kromfort GBV Mupen GBV bh 363 GBZ Kromfort | +2,70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.16/+0.57 +0.16/+0.15 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +2.50 | 4660.150 Age ¹¹ /C yrs 3P 4610.140 4600.50 44561.40 4465±220 4465±220 4465±220 44790.150 44790.150 43700.150 39700.35 39700.35 306450 3640140 3550.160 3550.160 3550.140 3490.50 3290.80 3290.80 3270±40 3055±35 | 5400 Caliorated age yrs B⊅ 5314 5307 5293 5049 5048 5027 5000 4838 4743 4415 4410 4403 4077 3831 3844 3835 3844 3835 3787 3631 3554 3469 3260 | 5488-5287 Cal brazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4868 4998-4790 4964-4563 4524-4343 4231-4052 4238-3925 4261-3894 4052-3850 4022-3709 4055-3869 3919-3702 3961-3629 3702-3548 3699-3373 3579-3380 3355-3201 | Case basal cea; Dated material case interca ated peat base basal cea; base basal cea; base basal cea; cayey peat Cerastoderma base basal cea; cayey peat Cerastoderma base interca ated peat base interca ated peat too intercalated cea; Scrobicularis Hydrobia base basal cea; too intercalated cea; base interca ated peat base interca ated peat too intercalated cea; base interca ated peat base peat; too intercalated cea; base interca ated peat base peat; too intercalated cea; base interca ated peat base peat; base reed peat vegetation norzon | Ltc 4143 IRPA 1180 Utc 4145 RPA 282 RPA 282 RPA 873 IRPA 1114 IRPA 1151 Utc 4142 RPA 726 Utc 8247 Utc 8248 Utc 5827 IRPA 1173 IRPA 127 IRPA 5860 IRPA 1237 IRPA 1231 IRPA 1153 IRPA 1153 IRPA 1154 IRPA | 12 Ref. 5 12 12 1 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 123 124 125 126 127 123 124 125 126 127/ 1300 131 | Gracht 2 Site Suice-rabriek Dam 5 Wale 2 Leffinge Waterhoek Adinkerke Autosir Lekebek 2 Neuwoont 2 GBV Kromfort Kromfort Lekebek 4 Neuwoont 2 Wolvenes: Adinkerke Autosir Usekebek 4 Neuwoont 2 Wolvenes: Adinkerke Autosir GBV GBV GBV GBV Site and Site and Sit | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.93/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.18/+0.15 +1.58 +1.83 +2.25 +1.75 +2.35 +2.50 +3.20 | 4660.150 Age ¹¹ C yrs 3P 4610.140 4600350 4450420 4465±220 4465±220 4435±40 44790.150 4435±40 4790.150 4435±40 4220465 39/0135 3760435 4060350 3640440 3580.160 3550.140 3580.140 3590.133 3590.133 3590.140 3590.140 3590.140 3590.140 3590.140 3590.140 3590.140 3590.140 3590.145 3290480 3270440 3655±35 3065±45 | 5400 Caliorated age yrs BP 5314 5307 5293 5043 5043 5043 5043 5027 5000 4438 4743 4415 4410 4083 4474 4415 4400 4083 4077 3931 3885 3844 3835 3844 3845 3787 3631 3554 3469 3259 | 5488-5287 Calbrated age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 4999-4790 4564-4563 4524-4343 4231-4052 4233-3925 4261-3894 4055-3869 3919-3709 3961-3629 3702-3548 3699-3379 3579-3380 3355-3201 3360-3143 | Dated material Dated material oase interca ated peat base basal beat base basal beat base basal beat c ayey peat Cerastoderma base interca ated peat base basal beat base interca ated peat too intercalated peat too intercalated peat combicularia <i>Hydrobia</i> base basal beat boase interca ated peat too intercalated peat too intercalated peat base interca ated peat base read peat base read peat base read peat vegetation norizon pear/hum c send | Ltc 4143 Laboratory numoer IIRPA 1180 UIC 4144 UIC 4145 IRPA 873 IIRPA 1151 UIC 8247 UIC 8247 UIC 8248 UIC 5386 UIC | 12 Ref. 5 12 12 12 14 5 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 131 131 | Gracht 2 Site Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Surkerfabriek Adinkerke Autostr Kromfort Lekebek 4 Neuwooot 2 GBV GBV Kromfort Lekebek 4 Neuwooot 2 Wolvenest Adinkerke Autostr Wupen GBV b 363 GBZ Kromfort GBV Adinkerke Autostr | +2,70 8ample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +2.00 +3.25 +0.61/+0.57 +0.61/+0.57 +0.61/+0.57 +0.61/+0.57 +0.61/+0.57 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.60 +1.58 +1.60 +1.60 +1.60 +2.00 +3.25 +0.61/-0.57 +0.61/-0.57 +0.61/-0.57 +0.57 +0.57 +0.57 +0.57 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.60 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.58 +1.60 +1.58 +1.58 +1.58 +1.58 +1.75 +1.58 +1.75 +1.58 +1.75 +1.75 +1.58 +1.75 +1.76 +1.76 +1.76 +1.75 +1.75 +1.75 +1.76 | 4660.150 Age ¹¹ /C yrs 3P 4610.140 4600.50 4560.460 4456.120 4466.120 4460.460 4790.150 44270.170 4220.465 33760.35 40654.35 40654.35 40604.50 3540.40 3550.140 3550.140 3520.440 30554.35 30356.45 3030.140 | 5400 Caliorated age yrs B⇒ 5314 5307 5293 5048 5048 5027 5000 4935 4743 4415 4100 4083 4077 3931 3885 3844 3835 3787 3631 3554 3469 3269 3259 3244 3223,3217 | 5488-5287 Calbrazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4869 4398-4790 4396-44563 4524-4343 4231-4052 4238-3925 4261-3834 4052-3850 4052-3850 4052-3850 4052-3850 4052-3850 4052-3850 4052-3850 4052-3850 4052-3850 4052-3859 3919-3702 3961-3629 3702-3348 3699-3379 3579-3340 3355-3201 3360-3143 3280-3107 | base basal peat Dated material base nierca ated peat base basal peat base basal peat base basal peat careastoderma base interce ated peat base interce ated peat base interce ated peat base interce ated peat too intercalated peat too intercalated peat base hasal peat too intercalated peat base hasal peat too intercalated peat base interce ated peat base interce ated peat base peat base peat depat base peat to pathum o send base peat | Utc 4143 IRPA 1180 Utc 4144 Utc 4145 RPA 282 RPA 873 IRPA 1114 IRPA 726 Utc 824/ Utc 824/ Utc 824 Utc 5386 Utc 5527 IRPA 1173 IRPA 226 Utc 527 IRPA 1173 IRPA 227 IRPA 1185 IRPA 237 IRPA 1237 IRPA 1231 Utc 5423 Utc 5643 | 12 Ref. 5 12 12 1 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 119 120 121 122 133 124 125 126 127/ 128 130 131 132 133 134 | Gracht 2 Site Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Surkerfabriek Adinkere Autostr Lekebek 4 Neuwoont 2 Wolvenest Adinkerre Autostr GBV bh363 GBZ Kromfort GBV Adinkerre Autostr GBV Mupen | +2.70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/0.66 -2.46 +0.93 +3.82 +0.19/40.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/40.57 +0.61/40.57 +0.61/40.57 +0.61/40.57 +1.58 +1.83 +2.25 +2.50 +3.20 +1.75 +2.50 +3.20 +1.78 +2.80 +2.00 | 4660.150 Age ¹¹ C yrs 32° 46110.140 4600.350 4560.450 4456.452 4460.450 44790.150 442701.70 42270.45 33700.35 33700.35 33700.35 33700.35 33700.455 33500.40 35501.40 35501.40 35501.40 35501.40 35501.40 35501.40 35501.40 3501.40 3501.40 32701.40 30553.35 3030.40 30201.40 32201.40 | 5400 Caliorated age yrs B ²⁰ 5314 5307 5049 5048 5048 5047 5000 4838 4743 4415 4100 4083 4077 3931 3885 3844 3885 3787 3631 3554 3469 3259 3244 3223,3217 3211 31/0 | 5488-5287 Calbrated age 2 <i>s</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4870 5079-4869 4898-4/90 4896-4963 4898-4/90 4896-4963 4238-3925 4238-3925 4205-3859 3919-3/02 3961-3629 3919-3/02 3919-3/02 3957-3380 3355-3201 3360-3143 3260-310/ 3275-3077 3348-2958 | Dated material Dated material Dated material Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Dase basal ceat: Cerastoderma Dase basal ceat: Dase basal ceat: Dase interca ated peat Dase basal ceat: Dase interca ated peat too intercalated ceat: Scrobbculeris Hydrobla Dase basal ceat: too intercalated ceat: Dase interca ated peat too intercalated ceat: Dase interca ated peat too intercalated ceat: Dase interca ated peat too intercalated ceat: Dase read peat vegetation norzon peat/num c sand Dase peat too intercalated ceat too intercalated ceat: Dase read peat too intercalated ceat too intercalated ceat Dase peat ced (erosive) | Ltc 4143 IRPA 1180 UIC 4144 IRPA 202 IRPA 2145 IRPA 2145 IRPA 2145 IRPA 2145 IRPA 2145 IRPA 2145 IRPA 226 UIC 8247 UIC 8248 UIC 5527 IRPA 1173 IRPA 226 UIC 5527 IRPA 4105 IRPA 227 IRPA 860 IRPA 1231 UIC 5122 UIC 5511 IRPA 1231 UIC 5122 UIC 5511 IRPA 1231 UIC 5123 UIC 5513 IRPA 1231 UIC 5123 UIC 5514 IRPA 1231 UIC 5123 UIC 5514 IRPA 1231 UIC 5123 UIC 5514 IRPA 1231 UIC 5123 UIC 5514 IRPA 1231 UIC 5123 UIC 5123 UIC 5514 IRPA 1231 UIC 5123 UIC 5123 UIC 5123 UIC 5123 UIC 5123 UIC 5123 UIC 5123 UIC 5123 UIC 5124 UIC 5514 IRPA 1231 UIC 5124 UIC 5514 IRPA 1231 UIC 5124 UIC 5524 IRPA 1231 UIC 5124 UIC 5514 IRPA 1231 UIC 5124 UIC 5514 IRPA 1231 UIC 5124 UIC 5514 IRPA 1231 UIC 5124 UIC 5524 IRPA 1231 UIC 5124 UIC 5124 UIC 5125 IRPA 1231 UIC 5124 UIC 5125 IRPA 1231 UIC 5124 IRPA 1231 UIC 5124 IRPA 1231 UIC 5124 UIC 5124 IRPA 1231 UIC 5124 IRPA 1231 UIC 5124 IRPA 1231 IRPA 1 | 12 Ref. 5 12 12 12 12 12 12 12 12 12 12 |
| N° 109 1010 111 112 113 114 115 116 117 118 119 120 121 123 124 125 126 127 128 129 130 131 132 133 134 135 | Gracht 2 Site Surkerfabriek Dam 5 Wale 2 Leffinge Waterhoek Surkerfabriek Adinkerke Autostr Kromfort Lefkebek 4 Neuwooot 2 GBV Kromfort Lefkebek 4 Neuwooot 2 Wolvenest Adinkerke Autostr Wupen GBV kromfort GBV kromfort GBV kromfort GBV Mupen De Panne Stort 1 | +2,70 Sample attude m TAW +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +1.60 +2.00 +3.25 +0.61/+0.57 +0.61/+0.57 +0.61/+0.57 +0.61/+0.57 +1.58 +1.58 +1.58 +1.75 +2.35 +2.50 +3.20 +1.76 +2.80 +2.90 +1.85 | 4660.150 Age ¹¹ /C yrs 3P 4610.140 4600.50 4456120 44654220 44654220 44790.150 42701.70 4220.465 33701.35 40654.35 40654.35 40654.05 3640.140 3650.160 3650.140 3650.140 3650.140 3650.440 3650.440 3650.440 3650.440 3650.440 3650.440 3650.450 3650.440 3655.45 30554.45 30554.45 30554.45 3030.140 3020.440 3200.460 3260.460 | 5400 Caliorated age yrs B ²⁰ 5314 5307 5293 5048 5048 5027 5000 4835 4743 4415 4410 4083 4743 4415 4410 4083 883 3885 3885 3885 3885 3844 3835 3787 3631 3554 3469 3269 3269 3269 3269 3269 3264 3269 3269 3269 3269 3269 3264 3269 3269 3264 3269 3269 3269 3269 3264 3269 | 5488-5287 Cal brazed age 2 <i>s</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4869 5240-4670 5079-4869 4989-4790 4964-4563 4524-4543 4231-4052 4238-3925 4261-3884 4052-3650 4052-3650 4052-3659 3919-3702 3961-3629 3702-3548 3699-3379 3579-3380 3355-3201 3360-3143 3280-310/ 32275-3077 3349-2959 3299-2878 | Dated material Dated material Dase interca ated peat Dase basal ceat: Dase basal ceat Dase basal ceat Dase basal ceat Dase basal ceat Cerastoderma Dase interca ated peat Dase interca ated peat Dase interca ated peat too intercalated ceat Dase interca ated peat too intercalated ceat Dase interca ated peat Dase peat too intercalated ceat Dase peat Dase peat Dase peat Dase peat too peat ced peat Dase peat too peat ced (erosive) too intercalated ceat Cerastoderma | Utc 4143 IRPA 1180 Utc 4145 RPA 282 RPA 873 IRPA 1114 IRPA 1181 Utc 4145 RPA 282 IRPA 1114 IRPA 1151 Utc 4142 IRPA 726 Utc 8248 Utc 5326 Utc 5327 IRPA 1173 IRPA 1231 IRPA 273 IRPA 273 IRPA 273 IRPA 273 IRPA 273 IRPA 274 IRPA 274 IRPA 275 IRPA 27 | 12 Ref. 5 12 1 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 |
| № 109 110 111 112 113 114 115 116 117 118 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 | Gracht 2 Ste Suicerabriek Dam 5 Wale 2 Lefinge Waterhoek Suicerabriek Adinkerke Autostr Lekebek 2 Neuwoont 2 Wolkenest Wupen GBV Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort Kromfort GBV Wupen GBV Mupen GBV Mupen GBV Mupen GBV Mupen GBV Mupensett Mupensett | +2.70 Sample attude m TAW/ +0.18 +3.25 +3.40 +1.80 -0.70/-0.66 -2.46 +0.93 +3.82 +0.19/+0.12 +1.40 +1.60 +2.00 +3.25 +0.61/+0.57 +0.18/40.75 +1.58 +1.83 +2.25 +0.61/+0.57 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +2.50 +3.20 +1./8 +3.25 +0.61/-0.53 +2.50 +3.20 +3.25 +0.61/-0.53 +2.50 +3.20 +3.25 +3.20 +3.25 +3.25 +3.25 +3.25 +3.25 +3.25 +3.20 +3.25 +3.20 +3.25 +3.25 +3.20 +3.25 +3.20 +3.25 +3.20 +3.25 +3.20 +3.20 +3.25 +3.20 + | 4660.150 Age ¹⁴ C yrs 3P 4610.140 4600±50 44561460 4465±220 4465±220 4435440 47901.50 4435440 4220455 33760±35 4060±50 33760±35 4060±50 3400±60 3550140 3490±60 3390±35 3055435 3030440 3220149 3270440 3220149 3220140 3220140 3220140 3220140 3220140 3220140 3220140 3220140 3220140 | 5400 Caliorated age yrs BP 5314 5307 5043 5043 5044 5027 5000 4835 4743 4415 4100 4083 4077 3931 3885 3844 3835 3844 3835 3631 3554 3469 3260 3269 3244 3223 3217 31/0 3089 22182 | 5488-5287 Calbrazed age 2 <i>a</i> range 5450-5250 5336-5241 5330-5029 5649-4457 5299-4669 5240-4870 5079-4868 4989-4790 4968-4953 4024-4343 4231-4052 4288-3925 4261-3894 4052-3650 4082-3709 4065-3689 3919-3702 3961-3629 3719-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3919-3709 3065-3689 3079-3380 3355-3201 3360-3143 3260-3147 3265-3077 3349-2959 2449-2749 | Dated material Dated material Dase basal ceat Dase basal ceat Cerastocherma Dase interca ated peat Dase interca ated peat too intercalated ceat Dase interca ated peat too intercalated ceat Dase interca ated peat Dase need peat Vegetation nonzon peat/num c sand Dase peat Con mercalated ceat Correstocterma | UtC 4143 IRPA 1180 UtC 4144 UtC 4145 IRPA 282 IRPA 873 IRPA 1114 IRPA 726 UtC 824/ UtC 824/ UtC 5386 UtC 5386 UtC 5527 IRPA 1173 IRPA 277 IRPA 1173 IRPA 273 IRPA 1185 IRPA 273 IRPA 1185 IRPA 273 IRPA 1237 HV 6733 IRPA 1237 IRPA 258 IRPA 258 IRP | 12 Ref. 5 12 12 1 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 |
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Ref.: 1. Baeteman, 1981; 2. Baeteman, 1985; 3. Baeteman and Van Strydonck, 1989; 4. Baeteman, 1993; 5. Baeteman *et al.*, 1999; 6. Baeteman, 1999; 7. Baeteman, 2001a; 8. Denys, 1993; 9. De Ceunynck, 1985; 10. De Ceunynck *et al.*, 1986; 11. Denys and Baeteman, 1995; 12. this publication.

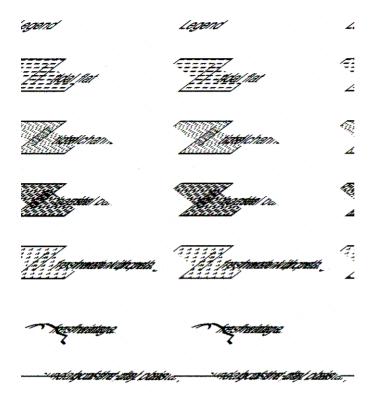
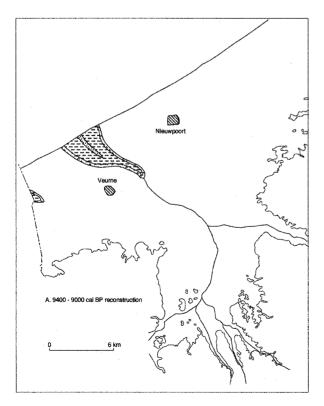


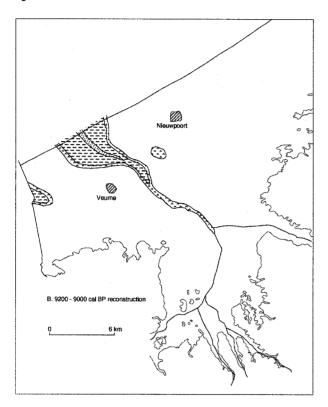
Figure 10. Palaeogeographical maps of the IJzer palaeovalley from 9500 to 6000 cal BP.

Figure 10A. 9400-9000 cal BP reconstruction.



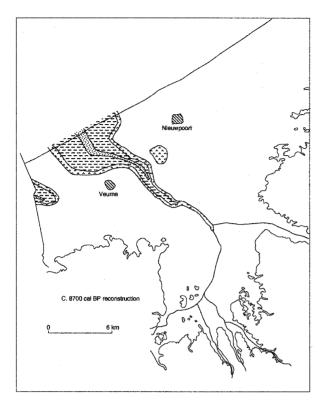
³² The tidal system invaded the palaeovalley together with the western depression when relative sea level was at about -18 m. A headland came into being between the depressions. A tidal channel was installed while at the landward edge of the tidal flat, freshwater marshes with peat accumulation developed. For this period, only one borehole with a deep seated basal peat was found (n°1). The immediately overlying clastic sediments are fine-grained and indicative of low energy environments.

Figure 10B. 9200-9000 cal BP reconstruction.



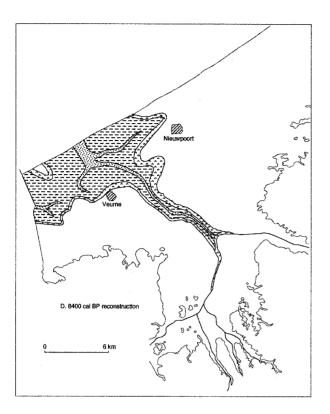
Although RSL rise was rapid, the lateral extension of the tidal flat was not yet substantial because of the presence of the valley. This illustrates the effect of the morphology of the flooded surface on the distribution of the sediments. However, freshwater marshes in the palaeovalley have been found as far as the central part of the plain (n°4). One borehole (n° 3) east of the tidal basin indicates that peat developed locally on higher ground, possibly enhanced by seepage since RSL was at about -15 m.



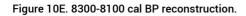


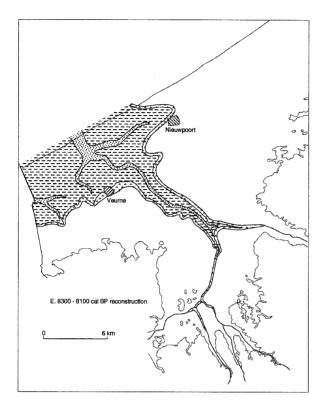
³⁴ The RSL was at about -14 m and the tidal flat and channel continued slowly to extend into the palaeovalley and the western depression. The presence of Scrobicularia plana (n°6) indicates that in the tidal basin a low energy environment, i.e. mudflat, prevailed. The belt of freshwater marsh, shifting upland and inland, was still narrow because the relief prevented it from lateral expansion.

Figure 10D. 8400 cal BP reconstruction.

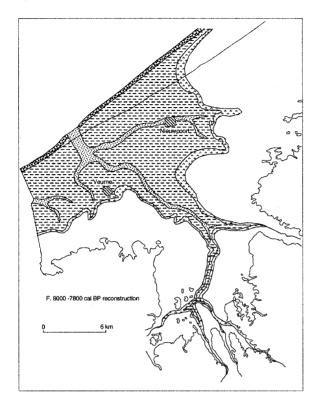


35 About 1000 years after the tidal system encroached the area, and after a rise of the RSL of about 6 m, a first substantial lateral and landward expansion of the tidal flat and channels is seen, in particular in the western part. However, the headland in the NW was not yet flooded. Since no tidal flat can exist without a tidal channel, a channel has been drawn arbitrarily in the eastern extension of the tidal flat. The relatively flat relief of the Pleistocene surface resulted in a broader belt of freshwater marshes which also began to develop in two of the small rivers.

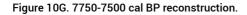


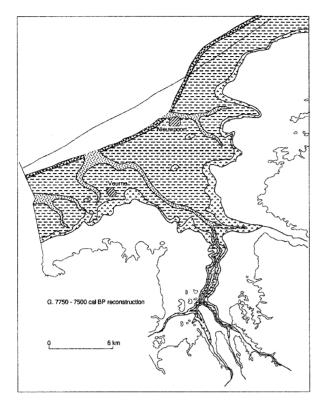


³⁶ RSL was at about -10 m. The tidal flats extended further inland and the freshwater marshes were pushed upstream due to the RSL rise. The small river valleys, in particular, were characterized by peat growth. The coastal peat bog which developed locally east of the tidal basin has been encroached by the tidal flat, as well as the headland in the NW. Figure 10F. 8000-7800 cal BP reconstruction.



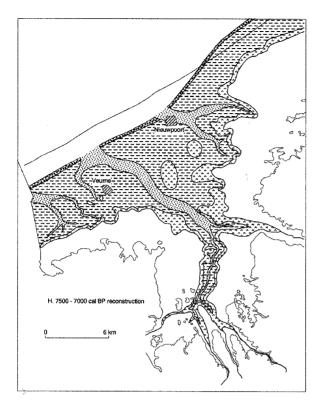
37 RSL was between -8 and -7 m. As the map shows, a substantial expansion of the tidal basin towards the west happened together with the tidal channel. Numerous cores record the development of a mudflat on the basal peat at this elevation. The tidal flat now also invaded the small river valleys far south which resulted in poor (freshwater) drainage since most of the freshwater marshes changed into permanently flooded depressions with accumulation of gyttja. In this period, the coastal barrier reached the position of the present-day coastline in the west. It is most likely that during this period the tidal scour processes began in that area. Cores show that the mudflat deposits are erosively overlain by fine sand, but on the other hand, in the area just NW of Veurne, a mudflat developed between -8 and -3 m overlaying sandflat deposits, indicating low energy environments and this for a quite long period, since a Scrobicularia plana in the upper part of the mudflat deposit was dated at about 7000 cal BP (n°53).





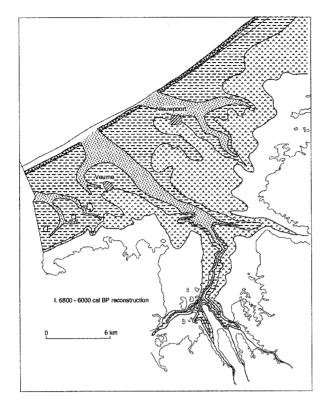
RSL was at about -5 m. Sedimentary records in the area of Nieuwpoort (cf. Baeteman, 38 1999) show that by this period, the coast had receded far inland. The eastern part of the study area was eventually flooded. This period was characterized by a decrease of the rate of RSL rise resulting in some significant changes. The landward shift of the tidal flat was much reduced, but the tidal channel now occupied the IJzer valley, even far south. This most probably resulted in an improvement of the drainage in view of the alternation of gyttja and peat in the valley fill. The channel also brought the tidal flat far south in the eastern small valley, while in the western ones, freshwater marshes developed over the tidal flat (salt marsh). Because of the reduced rate of RSL rise, peat growth at the outer edge of the tidal flat could last for a much longer time and developed over broader areas. Similar dates of basal peat are found at locations with elevation ranges between -6 and -4 m. The tidal flat itself must have been silted up to a supratidal level for its major part because local peat growth developed. Even the tidal channel gives evidence of silting up and of a short period of peat accumulation (n°s 22, 23) in the area where it bifurcates into the small river valleys (not shown on the map).





³⁹ RSL reached -5 to -4 m. The shoreline stabilized and the extension of the tidal flat hardly changed, except in the area south of Veurne. The reduced rate of RSL rise did not create accommodation space any longer and vertical accumulation in the plain dominated. The areas with local peat growth, recorded as intercalated peat beds in the cores, became larger and more widespread. These intercalated peat beds very often merge with the peat at the landward edge of the tidal basin (the basal peat). The tidal channels expanded only a little landward. On the other hand, the channels are drawn much wider on the map. Because of lateral migration, their sand bodies were much broader, although the size of the channel itself did not change. Most probably their size was slightly reduced because of the general silting up since the cross-section of a channel is related to its tidal prism. Lateral migration became possible in this period because substantial accommodation space was not created any longer due to the reduced rate of RSL rise (van der Spek and Beets, 1992).

Figure 10I. 6800-6000 cal BP reconstruction.



- 40 RSL was at about -2 m, and the shoreline had prograded, at least in the western part where the tidal basin was completely filled and sediment supply outran the creation of accommodation space through RSL rise. Freshwater marshes with peat accumulation prevailed over the major part of the area, except in the west.
- 41 As mentioned above, the further evolution of the coastal plain is one of very little change. The freshwater marshes became more widespread in both landward and seaward directions (cf. Fig. 8), except in the area west of Veurne. Tidal channels were also covered with peat accumulation (cf. Fig. 4). The major channels of the plain, however, remained open, most probably very much reduced in size. They acted as freshwater drainage for the peat swamp and only temporarily, tidal waters entered the channels. This situation lasted until about 2500 cal BP when the tidal system re-entered the plain. The detailed palaeogeographical reconstruction of this re-entrance is the subject of research in progress.

Final considerations

42 Although this paper deals with a Holocene palaeogeographical reconstruction of the infill of the western Belgian coastal plain, its depositional history is not only of local significance. Regional comparisons with tidal basins or estuaries showing a different infill and reflecting difference in the impact of the rate of RSL rise, the relief of the pre-Holocene surface and the balance between the creation of accommodation space and the sediment supply, should allow to filter the relative importance (and their regional or local significance) of the various factors controlling the infill and consequently contribute to a better understanding of coastal evolution.

ABSTRACTS

A large-scale pattern of Holocene coastal evolution of the western Belgian coastal plain has been reconstructed by means of a series of palaeogeographical maps at 9 time slices between 9.5 and 6 cal. ka BP together with schematical cross-sections of the vertical sediment accumulation. The time-depth estimate and the spatial extension of the palaeo-environments is based on the relative sea-level (RSL) curve and radiocarbon dates of (basal and intercalated) peats and shells. This paper describes the methodology of reconstructing the pre-Holocene surface and asserts that the morphology of the flooded surface is a controlling factor in the distribution of the Holocene sediments. For a better visualization of the rather weak relief, a 3D terrain model is presented. The coastal evolution is further controlled by the changes in the rate of RSL rise and consequently by a progressive rapid landward migration of all depositional environments as well as a major vertical sediment accretion. In the period following the first substantial decrease in the rate of RSL rise, the direct impact of the latter is subordinate to the effect of sediment budget which is in balance with the creation of accommodation space. This resulted in the sedimentary infilling of the tidal basin and the deposition of tidal clastic sediments with peat accumulation.

Een groot-schalige reconstructie van de Holocene kustevolutie voor het westelijke deel van de Belgische kustvlakte wordt voorgesteld door middel van 9 paleogeografische kaarten voor de periode tussen 9.5 en 6 cal ka BP, samen met schematische doorsneden van de vertikale sediment accumulatie in de tijd. De tijd en plaats bepaling van de paleomilieus is gebaseerd op de relatieve zeespiegelcurve en radiokoolstof dateringen van veen (basis- en verlandingsveen) en schelpen. Deze studie beschrijft uitvoerig de methodologie voor de reconstructie van het pre-Holoceen oppervlak. De morfologie van dit oppervlak is een bepalende factor bij de verspreiding van de Holocene sedimenten. Een 3D terrein model geeft een duidelijk beeld van het tamelijk zwakke reliëf van het oorspronkelijke Pleistocene oppervlak. De kustevolutie is mede bepaald door de snelheid van de zeespiegelstijging en het sediment budget. De aanvankelijk vlugge zeespiegelstijging in de periode voor ca. 7500 cal BP veroorzaakte een vlugge verschuiving van de sedimentaire afzettingsmilieus landinwaarts samen met een belangrijke vertikale opvulling. Een vertraging van de snelheid van de zeespiegelstijging in de daaropvolgende periode resulteerde in een verminderde invloed van de relatieve zeespiegelstijging ten opzichte van de invloed van het sediment budget dat in evenwicht was met de bergingsruimte. Daardoor kon het getijdengebied volledig opgevuld worden met clastische sedimenten afwisselend met verlandingsvenen.

INDEX

Keywords: coastal plain development, palaeogeography, pre-Holocene surface, 3D terrain model, relative sea-level rise, tidal environment, radiocarbon dates **motsclesnl** kustvlakte evolutie, paleogeografie, pre-Holoceen oppervlak, 3D terrein model, relatieve zeespiegelstijging, getijde-afzettingsmilieus, radiokoolstof dateringen

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