

Supplementary material

Table S1. Samples analysed for ^{210}Pb analysis, estimated age (AD) and % of sand in the sample.

Depth (cm bsf)	^{210}Pb Excess (Bq/kg)	Estimated date year AD	%sand (63-2000 μm)
0-0.5	380.6 ± 13.0	2013 ± 1	No data
1-1.5	465.3 ± 22.9	2006 ± 3	28
2-3	354.4 ± 12.7	1998 ± 5	26
4-5	438.7 ± 13.6	1984 ± 8	6
5-6	266.9 ± 9.5	1977 ± 10	11
6-7	375.8 ± 12.6	1971 ± 11	10
7-8	194.3 ± 6.2	1964 ± 13	6
8-9	136.7 ± 6.3	1957 ± 15	7
9-10	176.2 ± 6.5	1950 ± 17	6
10-11	113.1 ± 5.0	1944 ± 18	3
12-13	247.7 ± 9.7	1930 ± 20	3
13-14	9.4 ± 2.4	1923 ± 21	3
14-15	192.2 ± 6.7	1917 ± 22	3
15-16	3.6 ± 1.7	1910 ± 23	9
16-17	54.0 ± 3.2	1903 ± 24	1
18-19	27.0 ± 2.7	1890 ± 25	2

Table S2. Benthic foraminiferal taxa with relative abundance <5% on the total benthic assemblage divided on the base of the test composition

Taxa with calcareous perforate test (29 taxa):

Astrononion gallowayi Loeblich & Tappan, 1953
Bolivinelina pseudopunctata (Höglund, 1947)
Buccella spp. Andersen, 1952
Cibicides refulgens Montfort, 1808
Cibicoides lobatulus (Walker & Jacob, 1798)
Dentalina drammenensis Feyling-Hanssen, 1964
Elphidium albiumbilicatum (Weiss, 1954)
Elphidium clavatum Cushman, 1930
Elphidium hallandense Brotzen, 1943
Elphidium macellum (Fichtel & Moll, 1798)
Fissurina spp. Reuss, 1850
Globulina landesi (Hanna & Hanna, 1924)
Haynesina orbiculare (Brady, 1881)
Ioanella tumidula (Brady, 1884)
Islandiella norcrossi (Cushman, 1933)
Lagena spp. Walker & Jacob, 1798

Taxa with calcareous imperforate test (11 taxa)

Cornuspira spp. Schultze, 1854
Miliolinella cf. *enoplostoma* (Reuss, 1851)
Miliolinella subrotunda (Montagu, 1803)
Pyrgo lucernula (Schwager, 1866)
Pyrgo subglobulus Parr, 1950
Pyrgo williamsoni (Silvestri, 1923)

Taxa with agglutinated test (19 taxa)

Adercotryma glomeratum (Brady, 1878)
Ammobaculites agglutinans (d'Orbigny, 1846)
Ammodiscus minimus Höglund, 1947
Armorella sphaerica Heron-Allen & Earland, 1932
Bathysiphon spp. Sars, 1872
Eggerella arctica Höglund, 1947
Hyperammina subnodosa Brady, 1884
Lagenammina difflugiformis (Brady, 1879)
Psammosphaera fusca Schulze, 1875
Recurvoides contorta Earland, 1934
Reophax difflugiformis Brady Em. Skinner, 1961
Reophax guttifer (Brady, 1881)
Reophax micaceus (Cushman, 1918)
Rhabdammina discreta Brady, 1881
Rhabdammina scabra Höglund, 1947
Rhizammina spp. Brady, 1879
Spiroplectammina biformis (Parker & Jones, 1865)

Lenticulina gibba (d'Orbigny, 1839)
Marginulina obesa Cushman, 1923
Melonis barleeanus (Williamson, 1858)
Nonionella auricula Heron-Allen & Earland, 1930
Oolina spp. d'Orbigny, 1839
Pullenia bulloides (d'Orbigny, 1846)
Pullenia cf. *catalinaensis* McCulloch, 1977
Pullenia elegans Cushman & Todd, 1943
Pullenia osloensis Feyling-Hanssen, 1954
Robertinoides pumilum Höglund, 1947
Stainforthia feylingi Knudsen & Seidenkrantz, 1994
Stainforthia fusiformis (Williamson, 1858)
Trifarina fluens (Todd in Cushman & McCulloch, 1948)
Indetermined taxa.

Pyrgoella globula Zheng, 1979
Quinqueloculina arctica Cushman, 1933
Triloculina oblonga (Montagu, 1803)
Triloculina rotunda d'Orbigny in Schlumberger, 1893
Triloculina tricarinata d'Orbigny in Deshayes, 1832

Trochammina globigeriniformis (Parker & Jones, 1865)
Trochammina rotaliformis Heron-Allen & Earland, 1911

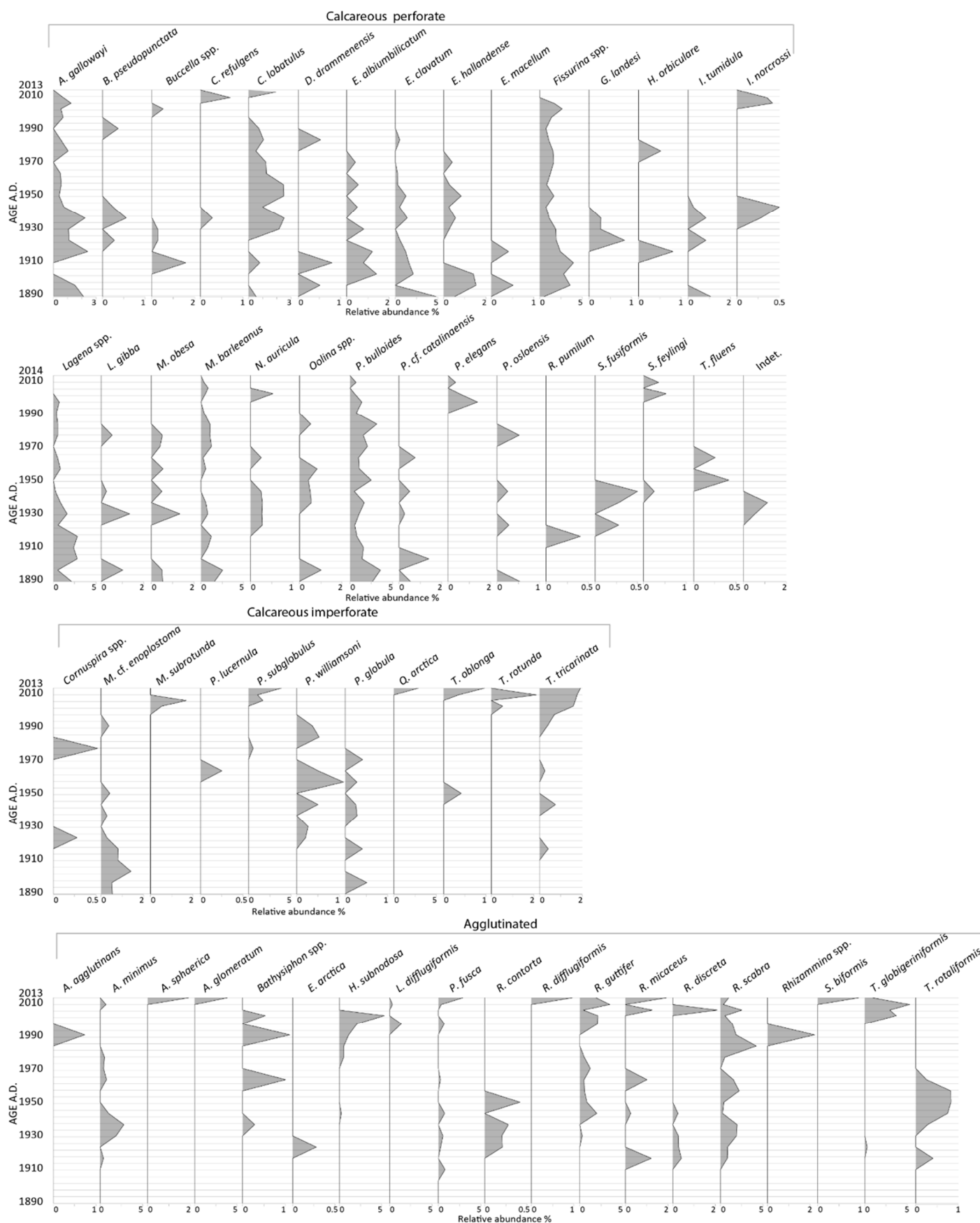


Fig.15. Benthic foraminiferal taxa with relative abundance <5% on the total benthic assemblage.

