

| Station | Latitude ° N | Longitude ° E | Date | Water depth | Ice cover | Bottom water salinity | Bottom water temperature | Bottom water O ₂ concentration | Bottom water NH ₄ ⁺ concentration | Bottom water DIC above sediment | δ ¹³ C DIC bottom water | δ ¹³ C surface sediment | Sediment description |
|---------|-----------------|------------------|----------------|----------------|-----------|--------------------------|-----------------------------|---|---|---------------------------------------|---------------------------------------|---------------------------------------|---|
| | | | Month/day/year | m | % | ‰ | °C | μmol L ⁻¹ | μmol L ⁻¹ | μmol L ⁻¹ | ‰ vs. VPDB | ‰ vs. VPDB | |
| 1 | 78.942 | 125.243 | 15/07/2014 | 3146 | 50–75 | 34.9 | −0.9 | 271.9 | 1.65 | 2151.5 | −0.5 | −22.3 | clay, brown |
| 2 | 78.581 | 125.607 | 16/07/2014 | 2900 | 25–50 | 34.9 | −0.9 | 275.0 | n.a. | n.a. | n.a. | n.a. | clay, brown |
| 3 | 78.238 | 126.150 | 16/07/2014 | 2601 | <25 | 34.9 | −0.9 | 280.0 | n.a. | n.a. | n.a. | n.a. | clay, brown |
| 4 | 77.855 | 126.664 | 16/07/2014 | 2106 | <25 | 34.9 | −0.8 | 289.4 | 1.81 | 2164.5 | −1.6 | −22.5 | clay, brown |
| 6 | 77.142 | 127.378 | 17/07/2014 | 89 | 0.0 | 34.6 | −1.8 | 327.0 | 1.30 | 2213.0 | −2.2 | −23.2 | clay, top 3 cm brown, then gray, fauna on top of sediment |
| 23 | 76.171 | 129.333 | 22/07/2014 | 56 | 0.0 | 34.2 | −1.8 | 303.2 | 1.34 | 2246.3 | −3.2 | −25.0 | silty clay, top 4 cm brown, then gray, brittle stars |
| 24 | 75.599 | 129.558 | 24/07/2014 | 46 | 0.0 | 34.0 | −1.7 | 283.8 | 0.89 | 2244.1 | −2.0 | −24.8 | silty clay, top 4 cm brown, then gray |
| 27 | 76.943 | 132.229 | 23/07/2014 | 44 | 0.0 | 34.2 | −1.8 | 332.3 | 0.94 | 2595.0 | −6.5 | −24.2 | silty clay, top 2 cm brown, then gray, fluffy surface layer, |
| 30 | 78.181 | 138.354 | 24/07/2014 | 69 | 0.0 | 34.1 | −1.6 | 334.8 | 0.79 | 2178.4 | −3.7 | −23.4 | brittle stars silty clay, top 4 cm brown, then gray |
| 31 | 79.396 | 135.497 | 25/07/2014 | 3056 | 0.0 | 34.9 | −0.9 | 270.9 | 0.74 | 2161.7 | n.a. | n.a. | clay, brown |
| 35 | 78.600 | 137.061 | 26/07/2014 | 541 | 0.0 | 34.9 | 0.4 | 288.1 | 0.43 | 2183.7 | n.a. | n.a. | clay top 15 cm brown, fluffy, inhomogeneous, surface-dwelling fauna |
| 37 | 78.521 | 137.170 | 26/07/2014 | 205 | 0.0 | 34.7 | 0.0 | 295.4 | 0.89 | 2171.1 | n.a. | n.a. | clay, top 5 cm brown, then gray |
| 40 | 77.670 | 144.668 | 27/07/2014 | 45 | 0.0 | 31.5 | −1.3 | 190.3 | 0.53 | 2213.7 | −1.6 | −23.7 | silty clay, top 3 cm brown, then gray, brittle stars |
| 43 | 76.780 | 147.791 | 28/07/2014 | 42 | 25–50 | 30.1 | −1.2 | 256.4 | 0.61 | 2086.7 | n.a. | n.a. | silty clay to clayey silt, top 2 cm brown, then gray, some small surface-dwelling animals |
| 45 | 76.416 | 148.115 | 29/07/2014 | 40 | <50 | 29.1 | −1.3 | 319.9 | 0.57 | 2576.0 | −2.1 | −24.4 | silty clay to clayey silt, 2 cm brown, then gray-black, rather stiff |
| 48 | 76.615 | 153.345 | 30/07/2014 | 49 | >75 | 30.6 | −1.6 | 315.9 | 0.50 | 2075.1 | −2.2 | −25.8 | silty clay to clayey silt, top 3 cm brown, then gray-black |
| 50 | 75.764 | 158.529 | 01/08/2014 | 44 | >75 | 31.1 | −1.4 | 311.0 | 0.51 | 2068.7 | −2.1 | −24.6 | silty clay to clayey silt, top 2 cm brown, then gray-black |
| 53 | 74.957 | 161.088 | 02/08/2014 | 47 | >75 | 31.0 | −1.6 | 253.3 | 0.16 | 2086.1 | −2.5 | n.a. | silty clay to clayey silt, top 3 cm brown, then 3 cm gray, |
| 58 | 74.440 | 166.050 | 04/08/2014 | 54 | >75 | 31.4 | −1.7 | 254.3 | 0.65 | 2154.9 | −1.5 | −23.8 | then gray-black silty clay to clayey silt, slightly resuspended, top 2 cm brown, then gray, soft |
| 63 | 74.685 | 172.361 | 07/08/2014 | 67 | >75 | 32.4 | −1.4 | 186.0 | 0.61 | 2240.8 | −2.2 | −22.7 | silty clay to clayey silt, top 1 cm brown, then gray |