

| sample number | Xpress vessel | label | further description | sample weight(g) | Digest weight(g) | dilution factor |
|---------------|---------------|---------------|-----------------------------------|------------------|------------------|-----------------|
| 1 | | 1 BTSEW | Basement Till Sewerby L Penny | 0.2509 | 49.8943 | 198.861 |
| 2 | | 2 Penny | Basement Till Dimlington L Penny | 0.2407 | 49.6313 | 206.196 |
| 3 | | 3 Boylan | Briglington Crag Boylan's section | 0.2422 | 49.6439 | 204.971 |
| 4 | | 4 Happ | Happisburgh | 0.2502 | 49.5602 | 198.082 |
| 5 | | 5 WRBC | West Runton | 0.2447 | 50.1738 | 205.042 |
| 6 | | 6 WITHWEATH | Weathered Till Withernsea | 0.2498 | 50.0301 | 200.281 |
| 7 | | 7 SL308 | Silt over Calirere | 0.2455 | 50.2100 | 204.521 |
| 8 | | 8 SEW1007S | Sewerby silt | 0.2127 | 50.1548 | 235.801 |
| 9 | | 9 SEW1007T | Sewerby till | 0.2176 | 50.2868 | 231.097 |
| 10 | | 10 SSBC907 | Sewerby steps Till 907 | 0.2391 | 50.5241 | 211.309 |
| 11 | | 11 DDVARV | Danes Dyke Varve pre Sept 2007 | 0.2518 | 50.3543 | 199.977 |
| 12 | | 12 DDBC | Danes Dyke Boulder clay 2007 | 0.2559 | 50.7805 | 198.439 |
| 13 | | 13 SLBC3090 | South Landing Boulder clay | 0.2541 | 50.0513 | 196.975 |
| 14 | | 14 KEYDeep | Keyingham old pit deep hole | 0.2200 | 50.5325 | 229.693 |
| 15 | | 15 KEY Top | Keyingham old pit top of hole | 0.2379 | 50.8615 | 213.794 |
| 16 | | 16 KEY Upp | Keyingham new pit upper till | 0.2285 | 50.3843 | 220.500 |
| 17 | | 17 KEY Low | Keyingham new pit lower till | 0.2552 | 50.3048 | 197.119 |
| 18 | | 18 KEY alu | Keyingham new pit alluvium | 0.2354 | 50.4205 | 214.191 |
| 19 | | 19 KEY Shelly | Keyingham Shelly alluvium | 0.2507 | 50.0235 | 199.535 |
| 20 | | 20 1DM | Dimlington | 0.2413 | 50.6771 | 210.017 |
| 21 | | 21 2DM | Dimlington | 0.2480 | 50.7104 | 204.477 |
| 22 | | 22 3DM | Dimlington | 0.2461 | 50.6558 | 205.834 |
| 23 | | 23 Dim71 | Dimlington | 0.2540 | 50.3193 | 198.107 |
| 24 | | 24 Dim72 | Dimlington | 0.2569 | 50.3271 | 195.902 |
| 25 | | 25 Dim73 | Dimlington | 0.2385 | 50.2235 | 210.581 |
| 26 | | 26 Dim74 | Dimlington | 0.2411 | 53.1107 | 220.285 |
| 27 | | 27 Dim75 | Dimlington | 0.2421 | 50.1670 | 207.216 |
| 28 | | 28 Dim77 | Dimlington | 0.2394 | 50.3011 | 210.113 |
| 29 | | 29 Dim78 | Dimlington | 0.2499 | 50.0880 | 200.432 |
| 30 | | 30 EAS083 | Easington | 0.2301 | 50.1075 | 217.764 |
| 31 | | 31 EAS081 | Easington | 0.2496 | 50.5307 | 202.447 |
| 32 | | 32 EAS084 | Easington | 0.2267 | 50.3473 | 222.088 |
| 33 | | 33 ALD2005-1 | Aldborough | 0.2462 | 50.6987 | 205.925 |
| 34 | | 34 ALD2005-5 | Aldborough | 0.2476 | 50.5173 | 204.028 |
| 35 | | 35 MAP2008-1 | Mappleton | 0.2334 | 50.8353 | 217.803 |
| 36 | | 36 WITH RED08 | Withernsea | 0.2359 | 50.5066 | 214.102 |

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| 37 | 37 2008 WITH | Withernsea | 0.2383 | 50.4306 | 211.627 |
| 38 | 38 WITH GREY | Withernsea | 0.2452 | 50.6683 | 206.641 |
| 39 | 39 SPE HI | Speeton | 0.2398 | 50.3612 | 210.013 |
| 40 | 40 SPE LO | Speeton | 0.2432 | 50.1918 | 206.381 |
| 41 | 1 SKIPWITH2008 | Skipsea | 0.2439 | 50.1669 | 205.686 |
| 42 | 2 SKIP TILL 08 | Skipsea | 0.2438 | 50.5174 | 207.208 |
| 43 | 3 FILEY BC1 | Filey Brigg | 0.2493 | 50.6441 | 203.145 |
| 44 | 4 SPEEQ1#3 | Speeton | 0.2480 | 49.9100 | 201.250 |
| 45 | 5 SPEEQ1#5 | Speeton | 0.2462 | 50.0198 | 203.167 |
| 46 | 6 JA1 | sample from John Arram | 0.2239 | 50.1895 | 224.160 |
| 47 | 7 JA2 | sample from John Arram | 0.2424 | 49.9537 | 206.080 |
| 48 | 8 JA3 | sample from John Arram | 0.2492 | 50.1544 | 201.262 |
| 49 | 9 JA4 | sample from John Arram | 0.2376 | 50.0085 | 210.473 |
| 50 | 10 JA5 | sample from John Arram | 0.2337 | 50.0830 | 214.305 |
| 51 | 11 JA6 | sample from John Arram | 0.2315 | 50.5805 | 218.490 |
| 52 | 12 JA7 | sample from John Arram | 0.2341 | 50.7759 | 216.898 |
| 53 | 13 JA8 | sample from John Arram | 0.2338 | 50.4039 | 215.586 |
| 54 | 14 WLW1 | Welton-le-Wold | 0.2441 | 50.9502 | 208.727 |
| 55 | 15 WLW2 | Welton-le-Wold | 0.2412 | 50.3771 | 208.860 |
| 56 | 16 WLW3 | Welton-le-Wold | 0.2391 | 50.7962 | 212.448 |
| 57 | 17 WLW6 | Welton-le-Wold | 0.2467 | 50.4387 | 204.454 |
| 58 | 18 WLW7 | Welton-le-Wold | 0.2403 | 50.4578 | 209.978 |
| 59 | 19 WLW8 | Welton-le-Wold | 0.2393 | 50.7608 | 212.122 |
| 60 | 20 OS1 | Osgodby Point | 0.2476 | 50.5502 | 204.161 |
| 61 | 21 OS2 | Osgodby Point | 0.2446 | 50.6437 | 207.047 |
| 62 | 22 OS3 | Osgodby Point | 0.2317 | 50.7244 | 218.923 |
| 63 | 23 SHER609 | Sherringham | 0.2431 | 50.0708 | 205.968 |
| 64 | 24 ULO902 | Ulrome | 0.2469 | 50.6763 | 205.250 |
| 65 | 25 MAP GREY | | 0.2354 | 50.2493 | 213.463 |
| 15 | 26 HF-AR | | 0.0979 | 50.5353 | 516.193 |
| 65 | 27 HF-AR | | 0.1046 | 49.9719 | 477.743 |
| 55 | 28 HF-AR | | 0.1035 | 50.0765 | 483.831 |
| 27 | 29 HF-AR | | 0.1031 | 49.9829 | 484.800 |
| 17 | 30 HF-AR | | 0.1020 | 50.4307 | 494.419 |
| 10 | 31 HF-AR | | 0.0993 | 50.2602 | 506.145 |
| 52 | 32 HF-AR | | 0.1096 | 50.8298 | 463.776 |
| 64 | 33 HF-AR | | 0.0964 | 50.0012 | 518.685 |

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| 59 | 34 HF-AR | | 0.1013 | 50.6321 | 499.823 |
| 2 | 35 HF-AR | | 0.1067 | 50.4414 | 472.740 |
| 19 | 36 HF-AR | | 0.0962 | 49.9098 | 518.813 |
| 8 | 37 HF-AR | | 0.1051 | 50.0473 | 476.187 |
| 44 | 38 HF-AR | | 0.1020 | 50.1439 | 491.607 |
| | 39 HF-AR | 3mlHF+3mlHCl+3mlHNO3+20mlBoric acid | | 50.0000 | |
| | 40 | 5HCl+5HNO3 | | 50.0000 | |