Leg: 165 Site 1001

| Sample | | | | | Texture | | | Minerals | | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | | | | | Rock | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hole, core, section | Depth in section (cm) | Depth (mbsf) | Smear (S) or Thin Section (T) | Lithology (Dominant or Minor) | Sand | Silt | Clay | Apatite | Amphiboles | Aragonite | Calcite | Carbonate | Chlorite | Clay | Clinopyroxene | Dolomite | Fe oxide | Feldspar | Gypsum | Mica | Mn-oxide | Opaque minerals | Pyrite | Pyroxene | Quartz | Zeolite | Organic debris | Diatoms | Fecal pellets | Foraminifers | Nannofossils | Pteropods | Radiolarians | Siliceous sponge spicules | Sponge Spicules | Tunicate spicules | Basalt Fragments | Palagonite | Bioclasts | Carbonate grains | Cement | Micrite | Rock fragments | Volcanic fragments | Volcanic glass | Comments |
| 1001A-2R-1 | 50 | 6.90 | S | D | 5 | 17 | 78 | | | | | | | 43 | | | | | | | | | | | 15 | | | | | 5 | 35 | | | | 2 | | | | | | | | | | | Nannofossil clayey mixed sediment with quartz. Quartz, primarily fine silt (<10 micrometer). |
| 1001A-3R-1 | 50 | 16.60 | S | D | 15 | 1 | 84 | | | | | | | 40 | | | | | | | | | | | | | | | | 10 | 44 | 5 | | | * | | | | | 1 | | | | | | Clayey nannofossil mixed sediment with foraminifers |
| 1001A-3R-1 | 44 | 16.54 | S | D | 1 | 11 | 88 | | | | | | | 43 | | | | | | | | | | | 5 | | | | | 5 | 40 | | | | 2 | | | | | 5 | | | | | | Nannofossil clayey mixed sediment |
| 1001A-5R-1 | 75 | 36.05 | S | D | 20 | 30 | 50 | | | | | 5 | | 40 | | | | | | | | | | | | | | | | 10 | 45 | | | | | | | | | | | | | | | Clayey nannofossil mixed sediment with foraminifers |
| 1001A-7R-1 | 58 | 55.18 | S | D | 5 | 20 | 75 | | | | | | | 45 | | | | | | | | | | | | | | | | 15 | 40 | | | | | | | | | | | | | | | Clayey nannofossil mixed sediment with foraminifers |
| 1001A-8R-2 | 70 | 66.40 | S | D | 10 | 30 | 60 | | | | | | | 30 | | | | | | | | | | | | | | | | 10 | 60 | | | | | | | | | | | | | | | Clayey nannofossil mixed sediments |
| 1001A-9R-2 | 80 | 76.10 | S | D | 5 | 40 | 55 | | | | | * | | 30 | | | | | | | | | | | | | | | | 5 | 65 | | | | | | | | | | | | | | | Clayey nannofossil ooze |
| 1001A-11R-2 | 25 | 94.75 | S | D | 0 | 10 | 90 | | | | | 3 | | 50 | | | | | | | | | | | | | | | | 5 | 40 | | | | | | | | | | | 2 | | | | Clayey nannofossil mixed sediment |
| 1001A-11R-2 | 70 | 95.20 | S | D | 0 | 10 | 90 | | | | | | | 15 | | | | | | | | | | | | | | | | | 85 | | | | | | | | | | | | | | | Nannofossil ooze with clay |
| 1001A-11R-6 | 45 | 100.95 | S | D | 0 | 20 | 80 | | | | | | | 25 | | | | | | | | | | | | | | | | | 70 | | | | | | | | | 5 | | | | | | Clayey nannofossil ooze |
| 1001A-12R-3 | 40 | 106.00 | S | D | 0 | 20 | 80 | | | | | 3 | | 35 | | | | | | | | | | | | | | | | 2 | 60 | | | | | | | | | | | | | | | Clayey nannofossil ooze |
| 1001A-12R-4 | 80 | 107.90 | S | D | 0 | 10 | 90 | | | | | 5 | | 40 | | | | | | | | | | | | | | | | * | 55 | | | | | | | | | | | | | | | Clayey nannofossil mixed sediment |
| 1001A-13R-2 | 90 | 114.60 | S | D | 5 | 20 | 75 | | | | | 10 | | 20 | | | | | | | | | | | | | | | | | 70 | | | | | | | | | | | | | | | Nannofossil ooze with clay |
| 1001A-13R-5 | 20 | 118.40 | S | D | 10 | 15 | 75 | | | | | | | 20 | | | | | | | | | | | | | | | | 15 | 60 | | | | | | | | | 5 | | | | | | Nannofossil ooze with clay and foraminifers |
| 1001A-15R-3 | 71 | 135.21 | S | D | 0 | 10 | 90 | | | | 5 | | | 65 | | | | | | | | | | | | | | | | | 30 | | | | | | | | | | | | | | | Nannofossil clay |
| 1001A-17R-3 | 80 | 154.50 | S | D | 10 | 30 | 60 | | | | | | | 10 | | | | | | | | | * | | | | | | | 5 | 80 | | | | | | | | | 5 | | | | | | Nannofossil ooze with clay |
| 1001A-18R-2 | 80 | 162.60 | S | M | 5 | 40 | 55 | | | | | | | 51 | | | | | | | | 1 | * | | | | | | | 5 | 40 | | | | | | | | | | | | | | 3 | Altered volcanic ash |
| 1001A-18R-3 | 60 | 163.90 | S | D | 10 | 35 | 55 | | | | | | | 15 | | | | | | | | * | | | | | | | | 5 | 75 | | | | | | | | | 5 | | | | | | Nannofossil ooze with clay |
| 1001A-18R-4 | 110 | 165.90 | S | D | 10 | 35 | 55 | | | | | | | 5 | | | | | | | | | * | | | | | | | 5 | 20 | | | | | | | | | 70 | | | | | | Calcareous chalk with nannofossils |
| 1001A-18R-4 | 130 | 166.10 | S | D | 15 | 35 | 50 | | | | | | | 15 | | | | | | | | | * | | | | | | | 5 | 10 | | | | | | | | | 70 | | | | | * | Calcareous chalk with clay and nannofossils |
| 1001A-18R-5 | 14 | 166.44 | S | M | 90 | 10 | 0 | | 10 | | | | | | | | | 30 | | | | 5 | | | 5 | | | | | | | | | | | | | | | | | | | | 50 | Ash layer. Crystal ash. |
| 1001A-18R-C0 | 2 | 166.49 | S | M | 10 | 90 | 0 | | | | | | | | | | | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | 97 | Ash layer. Fresh, fine-grained. Minor vesicular glass. |
| 1001A-18R-C0 | 11 | 166.58 | S | M | 90 | 10 | 0 | | | | | 1 | | | | | | * | | | | * | | | | | | | | | | | | | | | | | | | | | | | 99 | Ash layer. Clear fresh glass |
| 1001A-18R-C0 | 15 | 166.62 | S | M | 10 | 90 | 0 | | | | | 5 | | 5 | | | | * | | | | | | | | | | | | | | | | | | | | | | | | | | | 90 | Ash layer |
| 1001A-20R-1 | 82 | 170.82 | S | D | 12 | 68 | 20 | | | | | | | 20 | | * | | | | | | | | | | | | | | 12 | | | | | | | | | | 68 | | | | | | Clayey carbonate limestone with foraminifers |
| 1001A-22R-1 | 12 | 189.32 | S | M | 80 | 20 | 0 | | | | | | | 19 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | Ash layer. Coarse ash; glass devitrified and altered to smectite. |
| 1001A-24R-1 | 90 | 209.30 | S | D | 10 | 40 | 50 | | | | | | | 20 | | 5 | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | 50 | | 15 | | | | Calcareous chalk with clay |
| 1001A-26R-1 | 26 | 227.86 | S | D | 5 | 80 | 15 | | | | | 85 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous chalk with clay |
| 1001A-26R-2 | 64 | 229.74 | S | M | 20 | 50 | 30 | | * | | | | | 96 | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-27R-1 | 105 | 238.25 | S | M | 10 | 50 | 40 | | | | | * | | 96 | | | | 1 | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-27R-2 | 22 | 238.62 | S | M | 35 | 40 | 25 | | | | | | | 96 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | Altered volcanic ash |
| 1001A-27R-2 | 49 | 237.89 | S | M | 20 | 40 | 40 | | | | | | | 94 | | | | 3 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 2 | Altered volcanic ash |
| 1001A-27R-2 | 52 | 238.92 | S | D | 5 | 45 | 50 | | | | | 40 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous claystone |
| 1001A-27R-2 | 76 | 239.16 | S | M | 25 | 40 | 35 | | | | | | | 96 | | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-27R-2 | 108 | 239.48 | S | M | 20 | 40 | 40 | | | | | | | 96 | | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-27R-2 | 108 | 239.48 | S | M | 20 | 40 | 40 | | | | | | | 96 | | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-27R-3 | 84 | 240.39 | S | M | 20 | 40 | 40 | | | | | | | 97 | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-32R-1 | 60 | 286.00 | S | D | 0 | 50 | 50 | | | | | 80 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous chalk with clay |
| 1001A-36R-3 | 71 | 327.51 | S | M | 90 | 10 | 0 | | 5 | | | | | 10 | | | | 10 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | 70 | Ash layer. Crystal-rich ash. Feldspar=plagioclase; mica=biotite; amphibole=hornblende |

| Sample | | | | | Texture | | | Minerals | | | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | | | | | Rock | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hole, core, section | Depth in section (cm) | Depth (mbsf) | Smear (S) or Thin Section (T) | Lithology (Dominant or Minor) | Sand | Silt | Clay | Apatite | Amphiboles | Aragonite | Calcite | Carbonate | Chlorite | Clay | Clinopyroxene | Dolomite | Fe oxide | Feldspar | Gypsum | Mica | Mn-oxide | Opaque minerals | Pyrite | Pyroxene | Quartz | Zeolite | Organic debris | Diatoms | Fecal pellets | Foraminifers | Nannofossils | Pteropods | Radiolarians | Siliceous sponge spicules | Sponge Spicules | Tunicate spicules | Basalt Fragments | Palagonite | Bioclasts | Carbonate grains | Cement | Micrite | Rock fragments | Volcanic fragments | Volcanic glass | Comments |
| 1001A-37R-3 | 38 | 336.78 | S | M | 50 | 50 | 0 | | 20 | | | | | | | | | 25 | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | 45 | Ash layer. Crystal-ash. Feldspar=plagioclase; amphibole=hornblende |
| 1001A-37R-3 | 59 | 336.99 | S | M | 40 | 60 | 0 | | 30 | | | | | | | | | 40 | | | | | | | 5 | | | | | | | | | | | | | | | | | | | | | 25 | Ash layer. Crystal-ash. Amphibole=hornblende; feldspar=plagioclase |
| 1001A-37R-3 | 65 | 337.05 | S | M | 60 | 40 | 0 | | 25 | | | | | | | | | 25 | | | | 2 | | | 5 | | | | | | | | | | | | | | | | | | | | | 43 | Ash layer. Crystal-rich ash. Amphibole=hornblende; feldspar=plagioclase |
| 1001A-37R-4 | 53 | 338.43 | S | M | 20 | 80 | 0 | | | | | 1 | | | | | | 1 | | * | | | | | | | | | | | | | | | | | | | | | | | | | 98 | Ash layer. Altered glass |
| 1001A-37R-6 | 80 | 341.70 | S | D | 0 | 40 | 60 | | | · | 60 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous mixed sediment |
| 1001A-38R-7 | 25 | 351.31 | S | D | 10 | 40 | 50 | | | | 95 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous chalk. Calcite in grains. |
| 1001A-38R-7 | 17 | 351.23 | S | M | 0 | 30 | 70 | | | | | | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | Claystone with calcareous grains |
| 1001A-38R-C( | 6 | 352.09 | S | M | 0 | 80 | 20 | | | | | 90 | | 6 | | | | | | | | | | | * | | | | | 2 | 2 | | | | | | | | | | | | | | | | K/T boundary deposit, Unit B |
| 1001A-38R-C( | 8 | 352.11 | S | M | 15 | 80 | 5 | | | | | 40 | | 60 | | | | | | | | | | | * | | | | | | | | | | | | | | | | | | | | | | K/T boundary deposit, Unit B. Shocked quartz. |
| 1001A-38R-C( | 8 | 352.11 | S | M | 15 | 80 | 5 | | | | | 40 | | 60 | | | | | | | | | | | * | | | | | | | | | | | | | | | | | | | | | | K/T boundary deposit, Unit B. Shocked quartz. |
| 1001A-38R-C( | 8 | 352.11 | S | M | 0 | 90 | 10 | | | | | 45 | | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K/T boundary deposit, Unit B |
| 1001A-38R-C( | 8 | 352.11 | S | M | 0 | 90 | 10 | | | | | 98 | | | | | | | | * | | | | | * | | | | | | 2 | | | | | | | | | | | | | | | 2 | K/T boundary deposit, Unit B |
| 1001A-38R-C( | 13 | 352.16 | S | M | 0 | 80 | 20 | | | | | 95 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K/T boundary deposit, Unit C. Possibly shocked quartz. |
| 1001A-38R-C( | 19 | 352.22 | S | M | 10 | 50 | 40 | | | | | 5 | | 95 | | | | | | | | | | | * | | | | | | | | | | | | | | | | | | | | | | K/T boundary deposit, Unit D. Yellow smectite. |
| 1001A-38R-C( | 22 | 352.25 | S | M | 20 | 70 | 10 | | | | | 5 | | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | K/T boundary deposit, Unit D |
| 1001A-39R-2 | 130 | 354.05 | S | M | 15 | 40 | 45 | | 5 | | | | | 93 | | | | 2 | | | | * | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-40R-1 | 50 | 362.80 | S | D | 20 | 25 | 55 | | | | | 55 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | | | Clayey calcareous limestone. Crystalline carbonate. |
| 1001A-41R-4 | 40 | 376.90 | S | D | 10 | 45 | 45 | | | | | 55 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Clayey calcareous limestone |
| 1001A-41R-5 | 37 | 378.37 | S | D | 40 | 5 | 40 | | | | | 5 | | 20 | | | | | | | | | | | | | | | | 45 | | | * | | | | | | | | | 20 | | | | | Foraminiferal calcareous limestone with clay. Crystalline carbonate. |
| 1001A-47R-2 | 17 | 431.27 | S | M | 5 | 25 | 70 | | | | | | | 75 | | | | | | | | 1 | * | | | | | | | | | * | | | | | | | | 9 | | | | | 15 | Altered volcanic ash |
| 1001A-48R-3 | 47 | 442.67 | S | M | 50 | 50 | 0 | | | | | | | 37 | | | | 8 | | | | * | | | 5 | | | | | | | | | | | | | | | | | | | | | 50 | Ash layer. Moderately altered glass with smectite with large angular plagioclase and rounded quartz. |
| 1001A-49R-1 | 46 | 449.26 | S | M | 70 | 30 | 0 | | | | | | | 5 | | | | 10 | | | | * | | | | | | | | | | | | | | | | | | | | | | | | 85 | Ash layer. Coarse, altered ash with very large plagioclase crystals. |
| 1001A-49R-2 | 47 | 450.77 | S | M | 50 | 50 | 0 | | | | | 10 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | Ash layer |
| 1001A-49R-3 | 83 | 452.62 | S | M | 40 | 60 | 0 | | | | | | | | | | | 5 | | | | 1 | | | * | | | | | | | | | | | | | | | | | | | | | 94 | Ash layer. Altered ash with large plagioclase and trace quartz. |
| 1001A-50R-1 | 36 | 458.76 | S | M | 50 | 50 | 0 | | * | | | | | 10 | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 87 | Ash layer. Altered volcanic glass; trace of plagioclase |
| 1001A-50R-2 | 64 | 460.54 | S | M | 65 | 35 | 0 | | | | | 2 | | 4 | | | | 4 | | | | | | | * | | | | | | | | | | | | | | | | | | | | | 90 | Ash layer. Altered ash |
| 1001A-50R-3 | 89 | 462.29 | S | M | 60 | 40 | 0 | | | | | | 5 | 10 | | | | 5 | | | | * | | | | | | | | | | | | | | | | | | | | | | 80 | | Ash layer |
| 1001A-50R-5 | 72 | 465.12 | S | M | 30 | 30 | 40 | | | | | | * | 20 | | | | 10 | | | | * | | | * | | | | | | | | | | | | | | | | | | | | | 70 | Ash layer |
| 1001A-50R-5 | 87 | 465.27 | S | M | 50 | 50 | 0 | | | | | * | | 10 | | | | 10 | | | | * | | | * | | | | | | | | | | | | | | | | | | | | | 80 | Ash layer |
| 1001A-51R-2 | 132 | 470.58 | S | M | 25 | 45 | 30 | | | | | | | 82 | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | Altered volcanic ash. Large plagioclase phenocrysts, minor fresh glass. |
| 1001A-51R-4 | 91 | 473.09 | S | M | 20 | 45 | 35 | | | | | | | 93 | | | | 2 | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-51R-4 | 109 | 473.27 | S | M | 10 | 40 | 50 | | | | | | | 100 | | | | * | | | | | | | | | | | | | | | | | | | | | | | | | | | | * | Altered volcanic ash |
| 1001A-52R-2 | 25 | 479.45 | S | M | 20 | 40 | 40 | | | | | | | 97 | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | * | Altered volcanic ash |
| 1001A-52R-2 | 52 | 479.72 | S | M | 25 | 35 | 40 | | | | | | | 98 | | | | 2 | | | | * | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001A-52R-3 | 25 | 480.95 | S | D | 5 | 60 | 35 | | | | | 80 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous limestone with clay |

| Sample | | | | | Texture | | | Minerals | | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | | | | | Rock | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hole, core, section | Depth in section (cm) | Depth (mbsf) | Smear (S) or Thin Section (T) | Lithology (Dominant or Minor) | Sand | Silt | Clay | Apatite | Amphiboles | Aragonite | Calcite | Carbonate | Chlorite | Clay | Clinopyroxene | Dolomite | Fe oxide | Feldspar | Gypsum | Mica | Mn-oxide | Opaque minerals | Pyrite | Pyroxene | Quartz | Zeolite | Organic debris | Diatoms | Fecal pellets | Foraminifers | Nannofossils | Pteropods | Radiolarians | Siliceous sponge spicules | Sponge Spicules | Tunicate spicules | Basalt Fragments | Palagonite | Bioclasts | Carbonate grains | Cement | Micrite | Rock fragments | Volcanic fragments | Volcanic glass | Comments |
| 1001A-52R-4 | 67 | 482.87 | S | M | 10 | 40 | 50 | | | | | 42 | | 50 | | | | | | | | * | | | | | | | | 5 | 3 | | | | | | | | | | | | | | | Clayey mixed sedimentary rock |
| 1001A-52R-5 | 50 | 483.82 | S | D | 10 | 70 | 20 | | | | | 80 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous limestone with clay |
| 1001A-52R-6 | 40 | 484.94 | S | D | 10 | 70 | 20 | | | | | 80 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calcareous limestone with clay |

| Leg: 165 Site 1001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample | | | | | Texture | | | Minerals | | | | | | | | | | | | | | | | | | | Biogenic | | | | | | | | | | | Rock | | | | | | | | | |
| Hole, core, section | Depth in section (cm) | Depth (mbsf) | Smear (S) or Thin Section (T) | Lithology (Dominant or Minor) | Sand | Silt | Clay | Apatite | Amphiboles | Aragonite | Calcite | Carbonate | Chlorite | Clay | Clinopyroxene | Dolomite | Fe oxide | Feldspar | Gypsum | Mica | Mn-oxide | Opaque minerals | Pyrite | Pyroxene | Quartz | Zeolite | Organic debris | Diatoms | Fecal pellets | Foraminifers | Nannofossils | Pteropods | Radiolarians | Siliceous sponge spicules | Sponge Spicules | Tunicate spicules | Basalt Fragments | Palagonite | Bioclasts | Carbonate grains | Cement | Micrite | Rock fragments | Volcanic fragments | Volcanic glass | Comments |
| 1001B-6R-1 | 68 | 235.00 | S | M | 20 | 40 | 40 | | | | | | | 98 | | | | 2 | | * | | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001B-6R-1 | 150 | 236.80 | S | M | 15 | 40 | 45 | | | | | | | 94 | | | | 2 | | | | 2 | * | | | | | | | | | | | | | | | | | | | | | 2 | Altered volcanic ash |
| 1001B-6R-3 | 33 | 237.93 | S | M | 15 | 50 | 35 | | 1 | | | | | 87 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | Altered volcanic ash |
| 1001B-6R-3 | 132 | 238.92 | S | M | 20 | 45 | 35 | | | | | | | 84 | | | | 1 | | * | | | | | | | | | | | | | | | | | | | | | | | | 15 | Partially altered volcanic ash |
| 1001B-7R-5 | 45 | 251.35 | S | M | 15 | 35 | 50 | | 1 | | | | | 98 | | | | 1 | | * | | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001B-7R-2 | 50 | 246.90 | S | M | 10 | 40 | 50 | | | | | | | 99 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash |
| 1001B-7R-2 | 90 | 247.30 | S | D | 10 | 65 | 25 | | | | | 50 | | | | | | | | | | | | | | | | | | 25 | 5 | | | | | | | | | | | 20 | | | | Calcareous chalk with foraminifers |
| 1001B-8R-1 | 53 | 254.83 | S | M | 25 | 20 | 55 | | 4 | | | | | 91 | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash. Large phenocrysts of plagioclase and amphibole. |
| 1001B-8R-1 | 70 | 255.20 | S | D | 5 | 55 | 40 | | | | | 55 | | 10 | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | 20 | | | | Calcareous limestone with nannofossils and clay |
| 1001B-8R-1 | 130 | 235.80 | S | M | 10 | 40 | 50 | | 3 | | | | | 85 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | Altered volcaic ash |
| 1001B-15R-5 | 32 | 327.82 | S | M | 20 | 80 | 0 | | 30 | | | | | 4 | | | | 10 | | 1 | | | | | 5 | | | | | | | | | | | | | | | | | | | | 50 | Ash layer. Abundant large hornblende crystals, rare large biotite. |
| 1001B-25R-1 | 52 | 408.92 | S | M | 100 | 0 | 0 | | | | | | | | | | | | 99 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | Mineral vein in limestone. Gypsum or anhydrite with pyrite. |
| 1001B-27R-1 | 123 | 409.63 | S | M | 10 | 80 | 10 | | * | | | 15 | | 10 | | | | 2 | | | | | | | * | | | | | | | | | | | | | | | | | | | | 73 | Ash layer |
| 1001B-27R-3 | 85 | 412.25 | S | M | 10 | 70 | 20 | | * | | | | | 10 | | | | 1 | | * | | | | | * | | | | | | | | | | | | | | | | | | | | 89 | Ash layer. Altered glass. |
| 1001B-28R-1 | 23 | 437.43 | S | M | 0 | 80 | 20 | | * | | | | | 20 | | | | * | | | | | | | * | | | | | | | | | | | | | | | | | | | | 80 | Ash layer |
| 1001B-28R-1 | 100 | 438.20 | S | M | 0 | 80 | 20 | | | | | 5 | | | | | | * | | | | | | | | | | | | | | | | | | | | | | | | | | 95 | Ash layer |
| 1001B-29R-1 | 18 | 446.98 | S | M | 10 | 90 | 0 | | * | | | * | | 10 | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | Ash layer |
| 1001B-30R-1 | 30 | 457.70 | S | M | 10 | 60 | 30 | | * | | | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 96 | Ash layer. Altered glass. |
| 1001B-30R-2 | 25 | 458.60 | S | M | 10 | 90 | 0 | * | * | | | | | 8 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 90 | Ash layer |
| 1001B-30R-4 | 108 | 462.18 | S | M | 0 | 80 | 20 | | | | | | | 20 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 78 | Ash layer, altered. Smectite replaces glass. |
| 1001B-30R-4 | 121 | 462.41 | S | M | 10 | 80 | 10 | | | | | | | 5 | | | | 2 | | | | * | | | | | | | | | | | | | | | | | | | | | | 93 | Ash layer. Altered ash, smectite. |
| 1001B-31R-5 | 45 | 474.11 | T | M | 40 | 40 | 20 | | | | | | | 68 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | Altered hyaloclastite ash. Remnant curvilinear shards with some spherical vesicles and rounded microcrystalline basalt clasts. |
| 1001B-31R-5 | 54 | 474.19 | S | M | 15 | 35 | 50 | | | | | | | 98 | | | | 2 | | | | * | | | | | | | | | | | | | | | | | | | | | | | Altered volcanic ash. 1 clean blocky shard. |
| 1001B-31R-5 | 94 | 474.60 | S | M | 25 | 35 | 40 | | | | | | | 90 | | | | 10 | | | | * | | | | | | | | | | | | | | | | | | | | | | * | Altered volcanic ash |
| 1001B-31R-6 | 124 | 476.40 | T | M | 70 | 15 | 15 | | | | | | | 48 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 35 | | Altered hyaloclastite ash. Remnant curvilinear shards with some spherical vesicles and rounded microcrystalline basalt clast. |
| 1001B-31R-C0 | 6 | 476.50 | S | M | 25 | 40 | 35 | | | | | | | 93 | | | | 2 | | | | | | * | | | | | | | | | | | | | | | | | | | | 5 | Altered volcanic ash |