

SITE 1078 SMEAR SLIDES

| Sample |      |      |      |      |         |               |              | Grain Size |      |      | Mineral         |        |           |        |          |      |          |             |            |          | Biogenic (D = dominant, A = abundant, C = common, F = frequent, R = rare, T = trace) |          |            |         |               |              |              |                |              |                    | Sediment Name |                   |                 |   |   |   |
|--------|------|------|------|------|---------|---------------|--------------|------------|------|------|-----------------|--------|-----------|--------|----------|------|----------|-------------|------------|----------|--|----------|------------|---------|---------------|--------------|--------------|----------------|--------------|--------------------|---------------|-------------------|-----------------|---|---|---|
| Leg    | Site | Hole | Core | Type | Section | Interval (cm) | Depth (mbsf) | Sand       | Silt | Clay | Opaque Minerals | Pyrite | Mn Oxides | Quartz | Feldspar | Mica | Chlorite | Phosphorite | Glauconite | Dolomite | Carbonate  | Bioclast | Phytoliths | Diatoms | Fecal pellets | Foraminifers | Nannofossils | Organic debris | Radiolarians | Siliceous spicules |               | Silicoflagellates | Sponge spicules |   |   |   |
| 175    | 1078 | C    | 1    | H    | 1       | 80            | 1.2          | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | NANNOFOSSIL- AND FORAMINIFER-BEARING SILTY CLAY |   |   |
| 175    | 1078 | C    | 1    | H    | 2       | 80            | 2.7          | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | NANNOFOSSIL- AND FORAMINIFER-BEARING SILTY CLAY |   |   |
| 175    | 1078 | C    | 1    | H    | 4       | 80            | 5.7          | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | NANNOFOSSIL- AND FORAMINIFER-BEARING SILTY CLAY |   |   |
| 175    | 1078 | C    | 2    | H    | 2       | 70            | 9.25         | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 2    | H    | 6       | 50            | 14.95        | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 3    | H    | 1       | 70            | 17.25        | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 3    | H    | 3       | 80            | 20.4         | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 3    | H    | 6       | 70            | 24.75        | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 4    | H    | 3       | 80            | 29.9         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 4    | H    | 4       | 80            | 31.4         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |   |
| 175    | 1078 | C    | 5    | H    | 1       | 70            | 36.25        | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |
| 175    | 1078 | C    | 5    | H    | 3       | 70            | 39.15        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |
| 175    | 1078 | C    | 5    | H    | 5       | 70            | 42.15        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |
| 175    | 1078 | C    | 6    | H    | 4       | 50            | 49.95        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY |   |
| 175    | 1078 | C    | 6    | H    | 5       | 50            | 51.45        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY |   |
| 175    | 1078 | C    | 7    | H    | 1       | 93            | 55.6         | C          | F    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | CLAYEY SILT                                     |   |
| 175    | 1078 | C    | 7    | H    | 3       | 90            | 58.55        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |
| 175    | 1078 | C    | 7    | H    | 6       | 80            | 62.9         | R          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY |   |
| 175    | 1078 | C    | 7    | H    | 6       | 120           | 63.5         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |   |
| 175    | 1078 | C    | 8    | H    | 2       | 70            | 66.25        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 8    | H    | 4       | 120           | 70           | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER- AND NANNOFOSSIL-RICH SILTY CLAY    |
| 175    | 1078 | C    | 8    | H    | 6       | 60            | 72.1         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 9    | H    | 3       | 60            | 77.1         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 9    | H    | 3       | 88            | 77.52        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 9    | H    | 6       | 33            | 81.2         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 10   | H    | 1       | 80            | 83.9         | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 10   | H    | 2       | 90            | 85.55        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 11   | H    | 4       | 50            | 97.45        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 11   | H    | 6       | 50            | 100.45       | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 12   | H    | 2       | 100           | 104.7        |            | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 13   | H    | 1       | 31            | 111.67       | A          | F    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING SILT                        |
| 175    | 1078 | C    | 13   | H    | 5       | 60            | 117.11       | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING SILTY CLAY                  |
| 175    | 1078 | C    | 14   | X    | 3       | 80            | 124.9        | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY |
| 175    | 1078 | C    | 15   | X    | 2       | 46            | 130.99       | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY |
| 175    | 1078 | C    | 15   | X    | 2       | 100           | 131.8        | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | SILTY CLAY                                      |
| 175    | 1078 | C    | 15   | X    | 2       | 128           | 132.22       | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | DIATOM-BEARING SILTY CLAY                       |
| 175    | 1078 | C    | 15   | X    | 2       | 128           | 132.22       | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | DIATOM-BEARING SILTY CLAY                       |
| 175    | 1078 | C    | 15   | X    | 2       | 128           | 132.22       | F          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | DIATOM-BEARING SILTY CLAY                       |
| 175    | 1078 | C    | 15   | X    | 3       | 53            | 132.59       | A          |      |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | SILT  |
| 175    | 1078 | C    | 16   | X    | 1       | 60            | 137.1        | F          |      |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING NANNOFOSSIL-RICH SILTY CLAY |
| 175    | 1078 | C    | 17   | X    | 3       | 80            | 150.1        | R          |      |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER- AND NANNOFOSSIL-BEARING SILTY CLAY |
| 175    | 1078 | C    | 18   | X    | 3       | 74            | 159.61       | C          | A    |      |                 |        |           |        |          |      |          |             |            |          |  |          |            |         |               |              |              |                |              |                    |               |                   |                 |   |   | FORAMINIFER-BEARING SILTY CLAY                  |