

SITE 1086 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 | Phytopliths | Diatoms | Fecal pellets | Foraminifers | Nannofossils | Organic debris | Radiolarians |               | Siliceous spicules | Silicoflagellates | Sponge spicules |   |
| 175    | 1086 | A    | 1    | H    | 2       | 80            | 2.7          |      | C    | F       |                 |        |           | F      |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              | F            |               |                    |                   |                 | SILTY-CLAY RICH NANNOFOSSIL-FORAMINIFER OOZE    |
| 175    | 1086 | A    | 1    | H    | 4       | 80            | 5.7          |      | F    | F       |                 |        |           | R      |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              | F            |               |                    |                   |                 | SILTY-CLAY BEARING NANNOFOSSIL-FORAMINIFER OOZE |
| 175    | 1086 | A    | 2    | H    | 5       | 40            | 13.3         |      | F    | R       |                 | T      |           |        |          |      |          |             |            | T  | R         |          |             |         |               |              | A            | A              | F            |               |                    |                   |                 | SILT-BEARING FORAMINIFER-NANNOFOSSIL OOZE       |
| 175    | 1086 | A    | 2    | H    | 2       | 80            | 9.4          |      |      | C       |                 | T      |           |        |          |      |          |             |            |  |           | F        |             |         |               |              | A            | A              | F            |               |                    |                   |                 | CLAY-RICH NANNOFOSSIL-FORAMINIFER OOZE          |
| 175    | 1086 | A    | 2    | H    | 5       | 80            | 13.9         |      |      | C       |                 |        |           | R      | T        |      |          |             |            |  |           | F        |             |         |               |              | A            | A              | F            |               |                    |                   |                 | CLAY-RICH NANNOFOSSIL-FORAMINIFER OOZE          |
| 175    | 1086 | A    | 3    | H    | 2       | 100           | 19.2         |      |      | C       |                 |        |           | R      |          |      |          |             |            |  |           | F        |             |         |               |              | A            | A              | F            |               |                    |                   |                 | CLAY-BEARING NANNOFOSSIL-FORAMINIFER OOZE       |
| 175    | 1086 | A    | 3    | H    | 5       | 100           | 23.7         |      | F    | C       |                 |        |           | R      |          |      |          |             |            |  |           |          |             |         |               |              | A            | A              | F            |               | T                  |                   |                 | SILTY CLAY-RICH NANNOFOSSIL-FORAMINIFER OOZE    |
| 175    | 1086 | A    | 4    | H    | 3       | 80            | 29.9         |      | R    | R       |                 |        |           | R      |          |      |          |             |            |  |           | F        |             |         |               |              | A            | A              | R            |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 4    | H    | 5       | 80            | 32.9         |      |      | R       |                 |        |           | R      |          |      |          |             |            |  |           | F        |             |         |               |              | C            | A              | R            |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 5    | H    | 3       | 80            | 39.4         |      |      | R       |                 | T      |           |        |          |      |          |             |            |  |           | F        |             |         |               |              | C            | A              | R            |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 5    | H    | 5       | 80            | 42.4         |      |      | R       |                 | T      |           | R      |          |      |          |             |            |  |           | F        |             |         |               |              | C            | A              | R            |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 6    | H    | 3       | 80            | 48.9         |      |      |         |                 |        |           |        |          |      |          |             |            |  |           | T        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 6    | H    | 5       | 80            | 51.9         |      |      |         |                 |        |           |        |          |      |          |             |            |  |           | T        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 7    | H    | 2       | 100           | 57.2         |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | T        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 7    | H    | 4       | 20            | 59           |      |      |         |                 |        |           |        |          |      |          |             | F          |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 7    | H    | 5       | 80            | 61.4         |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | T        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 8    | H    | 2       | 80            | 66.4         |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | T        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 8    | H    | 4       | 30            | 68.55        |      |      | R       |                 |        |           |        |          |      |          |             | F          |  |           |          |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 8    | H    | 5       | 110           | 71.25        |      |      | R       |                 |        |           |        |          |      |          |             |            |  | T         |          |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 9    | H    | 2       | 80            | 75.9         |      |      | T       |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 9    | H    | 6       | 50            | 81.35        |      |      | T       |                 | R      |           |        |          |      |          |             |            |  |           | T        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 10   | H    | 3       | 30            | 86.15        |      |      | T       |                 | R      |           |        |          |      |          |             |            |  |           |          |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 10   | H    | 5       | 120           | 90.4         |      |      |         |                 | R      |           | T      |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 11   | H    | 1       | 120           | 94           |      |      | R       |                 | R      |           |        |          |      |          |             |            |  |           |          |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 11   | H    | 5       | 80            | 99.4         |      |      | R       |                 | R      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 12   | H    | 3       | 40            | 105.3        |      |      | F       |                 | R      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 12   | H    | 5       | 120           | 109.5        |      |      | R       |                 | R      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 13   | H    | 2       | 80            | 113.9        |      |      | T       |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 13   | H    | 5       | 5             | 117.28       |      |      | R       |                 | T      |           | R      |          |      |          |             |            |  |           | F        |             |         |               |              | F            | A              | R            |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 14   | H    | 1       | 60            | 121.6        |      |      | R       |                 | T      |           |        |          |      |          |             |            |  |           | F        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 14   | H    | 4       | 30            | 125.65       |      |      | R       |                 | T      |           | R      |          |      |          |             |            |  |           | F        |             |         |               |              | A            | A              | F            |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 15   | H    | 1       | 80            | 131.4        |      |      |         |                 | T      |           | T      |          |      |          |             |            |  |           | F        |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 15   | H    | 2       | 45            | 132.37       |      |      | R       |                 | T      |           | R      |          |      |          |             |            |  |           | R        |             |         |               |              | F            | A              | R            |               |                    |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL OOZE            |
| 175    | 1086 | A    | 15   | H    | 7       | 40            | 139.8        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           |          |             |         |               |              | A            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 16   | H    | 1       | 70            | 140.75       |      |      | R       |                 | T      |           | T      |          |      |          |             |            |  |           | T        |             |         |               |              | C            | A              | T            |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 16   | H    | 3       | 80            | 143.9        |      |      | R       |                 | T      |           | T      |          |      |          |             |            |  |           | T        |             |         |               |              | C            | A              | T            |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 16   | H    | 7       | 60            | 149.6        |      |      | R       |                 | T      |           | T      |          |      |          |             |            |  |           | T        |             |         |               |              | C            | A              |              |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 17   | H    | 3       | 80            | 153.4        |      |      | R       |                 | T      |           | T      |          |      |          |             |            |  |           | T        |             |         |               |              | C            | A              | T            |               |                    |                   |                 | NANNOFOSSIL-FORAMINIFER OOZE                    |
| 175    | 1086 | A    | 18   | H    | 4       | 40            | 163.8        |      |      | T       |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 18   | H    | 6       | 90            | 167.55       |      |      | T       |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 19   | H    | 2       | 100           | 171.2        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 19   | H    | 3       | 110           | 172.85       |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 20   | H    | 1       | 80            | 178.9        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | F            | A              |              |               |                    |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL OOZE            |
| 175    | 1086 | A    | 20   | H    | 6       | 80            | 186.4        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | F            | A              |              |               |                    |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL OOZE            |
| 175    | 1086 | A    | 21   | H    | 1       | 80            | 188.4        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 21   | H    | 4       | 80            | 192.9        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | C            | A              |              |               |                    |                   |                 | FORAMINIFER-RICH NANNOFOSSIL OOZE               |
| 175    | 1086 | A    | 22   | H    | 1       | 80            | 197.9        |      |      |         |                 | T      |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | F            | A              |              |               |                    |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL OOZE            |
| 175    | 1086 | A    | 22   | H    | 4       | 80            | 202.4        |      |      |         |                 |        |           |        |          |      |          |             |            |  |           | R        |             |         |               |              | F            | A              |              |               |                    |                   |                 | FORAMINIFER-BEARING NANNOFOSSIL OOZE            |

