



| Smear Slides |      |            |     | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |               |                    |                    |                    |        |          |      |      |          |                |            |           |                    |                |                  |                |        |             |        | Sediment or Rock Name |       |          |              |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  |   |                             |
|--------------|------|------------|-----|--|---------------|--------------------|--------------------|--------------------|--------|----------|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|----------------|--------|-------------|--------|-----------------------|-------|----------|--------------|--------------|---------|--------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|--------------|--|--|--|---|-----------------------------|
| Leg: 172     |      | Site: 1063 |     | Hole: A  |               | Sili.Fraction      |                    | Composition        |        |          |      |      |          |                |            |           |                    |                |                  |                |        |             |        |                       |       |          |              |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  |   |                             |
| Core         | Type | Section    | cm  | % Pelagic  | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombes (Dol.) | Opaque | Fe/MN Oxide | Pyrite |                       | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discosters | Organic matter | Other | Unidentified |  |  |  |   |                             |
| 1            | H    | 1          | 23  |  |               |                    | 15                 | 85                 | R      |          |      | A    |          |                |            |           |                    |                | C                | R              |        |             | T      |                       | R     | A        | C/R          | T            | T       |              |                   |                 |              |              |            |                |       |              |  |  | nannoclay mixed sediment w/carbonate grains and silt                         |   |                             |
| 1            | H    | 1          | 123 |  |               |                    | 15                 | 85                 | R      |          | T    | A    |          |                |            |           | T                  |                | C                | R              |        |             | T      |                       | T     | A        | C            | T            |         |              |                   |                 |              |              |            |                |       |              |  |  | nannofossil clay mixed sediment with foraminifers, carbonate grains and silt |   |                             |
| 1            | H    | 2          | 130 |  |               |                    | 10                 | 90                 | C      |          |      | D    |          |                |            |           |                    |                | T                |                |        |             | T      |                       | T     | R        |              | C            | R       | R            | C                 |                 |              |              |            |                |       |              |  |  |  | siliceous clay with silt                            |                             |
| 1            | H    | 3          | 56  |  |               |                    | 30                 | 70                 | C/A    |          | T    | D    |          |                |            |           | T                  |                | R                | R              |        |             | T      |                       | T     | R        | R            | C            | C       | R            | C                 |                 |              |              |            |                |       |              |  |  |  | siliceous silty clay                                |                             |
| 1            | H    | 3          | 130 |  |               |                    | 30                 | 70                 | C      |          | T    | D    |          |                |            |           |                    |                | C                | R              |        |             | T      |                       | T     | A        | T            | R/C          | T       | T            | C                 |                 |              |              |            |                |       |              |  |  |  | silty nannoclay with biosilica and carbonate grains |                             |
| 2            | H    | 3          | 62  |  |               |                    | 40                 | 60                 | C/A    |          |      | D    |          |                |            |           |                    |                | R                | R              |        |             | T      |                       | T     | C        | T            | R            | T       | T            | R                 |                 |              |              |            |                |       |              |  |  |  | silty clay with nanno and diatoms                   |                             |
| 2            | H    | 6          | 66  |  |               |                    | 25                 | 75                 | C      |          |      | D    |          |                |            |           |                    |                | R                | R              |        |             | T      |                       | T     | A        | T            | C            | T       | T            | C                 |                 |              |              |            |                |       |              |  |  |  | siliceous silty nanno clay (with carbonate grains)  |                             |
| 3            | H    | 1          | 120 |  |               |                    | 15                 | 85                 | R      |          |      | D    |          |                |            |           |                    |                | R                | T              |        |             |        |                       |       | R/T      |              | R            |         | T            | R                 |                 |              |              |            |                |       |              |  |  |  | clay with silt and diatoms                          |                             |
| 3            | H    | 4          | 70  |  |               |                    | 10                 | 90                 | T      |          |      | D    |          |                |            |           |                    |                | T                | T              |        |             |        |                       |       | C/A      |              | T            |         | T            | T                 |                 |              |              |            |                |       |              |  |  |  | nannofossil clay                                    |                             |
| 3            | H    | 6          | 80  |  |               |                    | 25                 | 75                 | C/R    |          |      | D    |          |                |            |           |                    |                | R                |                |        |             |        |                       |       | C/R      |              | R            | T       |              | R                 |                 |              |              |            |                |       |              |  |  |  | silty clay with biosilica and nannofossils          |                             |
| 4            | H    | 2          | 76  |  |               |                    |                    |                    | C      |          |      | D    |          |                |            |           |                    |                | R                |                |        |             |        |                       |       | T/R      | T            | C/R          | R       | R            | C                 |                 |              |              |            |                |       |              |  |  |  |   | biosiliceous clay with silt |
| 4            | H    | 2          | 76  | 20   | 80            | 20                 | 80                 | C                  |        |          |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |                       |       | N        | N            | C            | T       | T            | R                 |                 |              |              |            |                |       |              |  |  |  | clay with diatoms and silt                          |                             |
| 4            | H    | 4          | 58  |  |               | 15                 | 85                 | R                  |        |          |      | D    |          |                |            |           |                    |                | R                |                |        |             |        |                       |       | C        | T            | T            | N       | N            | T                 |                 |              |              |            |                |       |              |  |  |  | clay with silt and nannofossils                     |                             |
| 4            | H    | 4          | 58  | 20   | 80            | 10                 | 90                 | R                  |        | T        | D    |      |          |                |            |           |                    |                |                  | T              |        |             |        |                       | T     | C        |              | T            |         | T            |                   |                 |              |              |            |                |       |              |  |  | clay with nannofossils   |   |                             |
| 4            | H    | 4          | 140 |  |               | 5                  | 95                 | T                  |        |          |      | D    |          |                |            |           |                    |                | T                |                |        |             |        |                       |       | A        | T            | N            | N       | N            | N                 |                 |              |              |            |                |       |              |  |  |  | nannofossil clay                                    |                             |
| 4            | H    | 4          | 140 | 30   | 70            | 10                 | 90                 | T                  |        |          |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |                       |       | A        | T            |              |         |              |                   |                 |              |              |            |                |       |              |  |  | nannofossil clay   |   |                             |
| 5            | H    | 2          | 69  | 5  | 95            | 90                 | 10                 | C                  |        |          |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |                       | T     | R/C      | T            |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  | clay with silt                                      |                             |
| 5            | H    | 2          | 73  | 10   | 90            | 12                 | 88                 | C                  |        |          |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |                       | T     | C/R      | T            |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  | clay with silt and nannofossils                     |                             |
| 5            | H    | 6          | 85  | 30   | 70            | 10                 | 90                 | R/C                |        |          |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |                       | T     | C        | T            | C            | T       | T            | T                 |                 |              |              |            |                |       |              |  |  |  | clay with nannofossils and biosilica                |                             |
| 6            | H    | 1          | 69  | 25   | 75            | 10                 | 90                 | R                  |        |          |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |                       |       | C/A      | T            | R            | T       | T            |                   |                 |              |              |            |                |       |              |  |  |  | clay with nannofossils                              |                             |

| Smear Slides |      |            |    |           |               |                    |                    |                    |        | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |                     |                |                  |               |        |             |        |       |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |            |                |       |              |                                   |   |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|--------|--|------|------|----------|----------------|------------|-----------|---------------------|----------------|------------------|---------------|--------|-------------|--------|-------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|--------------|-----------------------------------|---|
| Leg: 172     |      | Site: 1063 |    | Hole: A   |               | Sili.Fraction      |                    |                    |        | Composition  |      |      |          |                |            |           |                     |                |                  |               |        |             |        |       |          |              |              |         |              |                       |                   |                 |              |              |            |                |       |              |                                   |   |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discosters | Organic matter | Other | Unidentified |                                   |   |
| 6            | H    |            | 6  | 114       | 40            | 60                 | 2                  | 98                 | T      |  |      | D    |          |                |            |           |                     |                |                  |               |        |             |        |       |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                   | nannofossil clay                          |
| 7            | H    |            | 1  | 144       | 7             | 93                 | 20                 | 80                 | C      |  | R    | D    |          |                |            |           |                     |                |                  | T             |        |             |        | T     |          | N            | N            | R       | T            | R                     | T                 |                 |              |              |            |                |       |              |                                   | clay with silt                            |
| 7            | H    |            | 4  | 52        | 10            | 90                 | 7                  | 93                 | R      |  | T    | D    |          |                |            |           |                     |                |                  |               |        |             |        |       |          | C/R          | T            | T       |              |                       |                   |                 |              |              |            |                |       |              | clay with nannofossils            |   |
| 7            | H    |            | 6  | 136       | 7             | 93                 | 20                 | 80                 | C      |  | R    | D    |          |                |            |           |                     |                |                  |               |        |             |        | T     | T        | T            | R            | T       | T            | T                     |                   |                 |              |              |            |                |       |              | clay with silt                    |   |
| 8            | H    |            | 6  | 56        | 50            | 50                 | 0                  | 100                | T      |  |      | A    |          |                |            |           |                     |                |                  |               |        |             |        |       |          | D            | T            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                   | nannofossil clay mixed sediment           |
| 8            | H    |            | 7  | 28        | 1             | 99                 | 15                 | 85                 | C      |  | C    | D    |          |                |            |           |                     |                |                  | T             |        |             |        |       | T        | T            |              | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                   | clay with silt                            |
| 9            | H    |            | 1  | 61        | 10            | 90                 | 8                  | 92                 | R      |  | R    | D    |          |                |            |           |                     |                |                  | T             |        |             |        |       | T        | C/R          |              |         |              |                       |                   |                 |              |              |            |                |       |              | clay with nannofossils            |   |
| 9            | H    |            | 6  | 116       | 10            | 90                 | 8                  | 92                 | C      |  | R    | D    |          |                |            |           |                     |                |                  |               |        |             |        | T     | T        | T            |              | C       | T            | T                     |                   |                 |              |              |            |                |       |              | clay with diatoms and silt        |   |
| 10           | H    |            | 2  | 130       |               |                    | 5                  | 95                 | T      |  | T    | R    |          |                |            |           | T                   |                | R                |               |        |             |        |       |          | D            | R            |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil ooze                  |   |
| 10           | H    |            | 3  | 44        |               |                    | 10                 | 90                 | T      |  | T    | R    |          |                |            |           | T                   |                | R/C              |               |        |             |        |       |          | D            | R            |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil ooze (burrow filling) |   |
| 10           | H    |            | 4  | 120       |               |                    | 40                 | 60                 | A      |  | T    | D    |          |                |            |           |                     |                | T                |               |        |             | T      | T     |          |              |              | T       | T            | T                     | T                 |                 |              |              |            |                |       |              |                                   | silty clay                                |
| 11           | H    |            | 2  | 20        |               |                    | 20                 | 80                 | R      |  | T    | A    |          |                |            |           | T                   |                | R/C              | T/R           |        |             | T      |       |          | A            | T            | T       |              | T                     | T                 |                 |              |              |            |                |       |              |                                   | nannofossil clay mixed sediment with silt |
| 11           | H    |            | 4  | 110       |               |                    | 25                 | 75                 | C      |  | T    | D    |          |                |            |           |                     |                | R                |               |        |             |        |       |          | R            | T            | R/C     | T            | T                     | C                 |                 |              |              |            |                |       |              |                                   | clay with silt and silica                 |
| 12           | H    |            | 1  | 50        |               |                    | 5                  | 95                 | T      |  |      | R    |          |                |            |           |                     |                | R                |               |        |             | T      |       |          | D            | R            | T       | T            | T                     |                   |                 |              |              |            |                |       |              | nannofossil ooze                  |   |
| 12           | H    |            | 4  | 10        |               |                    | 10                 | 90                 | R/C    |  | T    | D    |          |                |            |           |                     |                | R                | T             |        |             |        |       |          | A            | T            | R/C     | T            | T                     | R/C               |                 |              |              |            |                |       |              |                                   | nannofossil clay with silica              |
| 12           | H    |            | 6  | 107       |               |                    | 30                 | 70                 | A      |  | T    | D    |          | T              |            |           |                     |                | R/C              | T             |        |             | T      |       |          | T            |              | R       | R            | T                     | R                 |                 |              |              |            |                |       |              |                                   | silty clay with silica                    |
| 12           | H    |            | 7  | 20        |               |                    | 15                 | 85                 | C      |  | T    | D    |          |                |            |           |                     |                | R                |               |        |             |        |       |          | C            | T            | C       | R            | T                     | C                 |                 |              |              |            |                |       |              |                                   | siliceous clay with nannofossil           |
| 13           | H    |            | 2  | 130       |               |                    | 5                  | 95                 | T      |  | T    | D    |          | T              |            |           | T                   |                | R/C              |               |        |             | T      |       | T        | A            | R            |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil clay                  |   |
| 13           | H    |            | 4  | 68        |               |                    | 20                 | 80                 | C      |  | T    | D    |          |                |            |           |                     |                | R                | T             |        |             | T      |       |          | T/R          | R            | T       |              |                       |                   |                 |              |              |            |                |       |              | clay with silt                    |   |
| 13           | H    |            | 8  | 39        |               |                    |                    |                    |        |  |      |      |          |                |            |           | D                   |                |                  |               |        |             |        |       |          |              |              |         |              |                       |                   |                 |              |              |            |                |       |              | aragonite concretion              |   |

| Smear Slides |            |         |               | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |               |                    |                    |                    |        |          |      |      |          |                |            |           |                    |                |                  |               |        |             |        | Sediment or Rock Name |          |              |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 |                                 |                                |
|--------------|------------|---------|---------------|--|---------------|--------------------|--------------------|--------------------|--------|----------|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|---------------|--------|-------------|--------|-----------------------|----------|--------------|--------------|---------|--------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|--------------|--|--|--|--|---------------------------------|---------------------------------|--------------------------------|
| Leg: 172     | Site: 1063 | Hole: A | Sili.Fraction | Composition  |               |                    |                    |                    |        |          |      |      |          |                |            |           |                    |                |                  |               |        |             |        |                       |          |              |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 |                                 |                                |
| Core         | Type       | Section | cm            | % Pelagic  | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Glass                 | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discosters | Organic matter | Other | Unidentified |  |  |  |  |                                 |                                 |                                |
| 14           | H          |         | 3             | 80   |               |                    | 25                 | 75                 | C      |          | T    | D    |          |                |            |           |                    |                | R                | T             |        |             | T      |                       |          |              | C            | T       | T            | T                 |                 |              |              |            |                |       |              |  |  |  |  | clay with nannofossils and silt |                                 |                                |
| 15           | H          |         | 3             | 20   |               |                    | 20                 | 80                 | R      |          |      | D    |          |                |            |           | T                  |                | C                | R             |        |             | T      |                       |          | A            | R            |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  | nannofossil clay with silt      |                                 |                                |
| 15           | H          |         | 30            | 70   |               |                    | 30                 | 70                 | A      |          | T    | D    |          |                |            |           |                    |                | T                |               |        |             | T      |                       |          | T            |              | R       | R            | R                 | C               |              |              |            |                |       |              |  |  |  |  | silty clay with silica          |                                 |                                |
| 17           | H          |         | 2             | 86   | 30            | 70                 | 10                 | 90                 | R      |          |      | D    |          | T              |            |           |                    |                |                  |               |        |             |        |                       |          | A            | T            | T       |              |                   |                 |              |              |            |                |       |              |  |  |  |  | nannofossil clay                |                                 |                                |
| 17           | H          |         | 3             | 84   | 1             | 99                 | 10                 | 90                 | C      |          | R    | D    |          | T              |            |           |                    |                |                  |               |        |             |        |                       |          | T            | T            |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  | clay with silt                  |                                 |                                |
| 17           | H          |         | 6             | 77   | 10            | 90                 | 5                  | 95                 | R      |          |      | D    |          | T              |            |           |                    |                |                  |               |        |             |        |                       |          | T            | C            | T       | N            | N                 | N               | N            |              |            |                |       |              |  |  |  |  |                                 | clay with nannofossil           |                                |
| 18           | H          |         | 3             | 66   | 10            | 90                 | 15                 | 85                 | C      |          | R    | D    |          |                |            |           |                    |                |                  | T             |        |             |        |                       |          | T            | C            | N       | T            |                   |                 |              |              |            |                |       |              |  |  |  |  | clay with silt and nannofossil  |                                 |                                |
| 18           | H          |         | 7             | 84   | 8             | 92                 | 20                 | 80                 | C      | T        | R    | D    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | T            |              | R       | T            | T                 |                 |              |              |            |                |       |              |  |  |  |  |                                 | clay with silt                  |                                |
| 19           | H          |         | 2             | 64   | 0             | 100                | 20                 | 80                 | R      | A        | R    | D    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | N            | N            | T       |              | T                 |                 |              |              |            |                |       |              |  |  |  |  |                                 | clay with silt                  |                                |
| 19           | H          |         | 4             | 61   | 60            | 40                 | 2                  | 98                 | T      |          |      | A    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | D            | T            |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 | nannofossil clay mixed sediment |                                |
| 20           | H          |         | 5             | 68   | 20            | 80                 | 5                  | 95                 | R      |          | T    | D    |          |                |            |           |                    |                |                  | T             |        |             |        |                       |          | C            | T            | N       | N            | N                 |                 |              |              |            |                |       |              |  |  |  |  |                                 | clay with nannofossil           |                                |
| 20           | H          |         | 7             | 87   | 10            | 90                 | 5                  | 95                 | R      |          |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | C/R          |              | T       |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 | clay with nannofossil           |                                |
| 20           | H          |         | 1             | 56   | 5             | 95                 | 10                 | 90                 | R      |          | R    | D    |          |                |            |           |                    |                |                  | T             | T      |             |        |                       |          | R            | T            | T       |              |                   |                 |              |              |            |                |       |              |  |  |  |  | clay with silt                  |                                 |                                |
| 21           | H          |         | 2             | 55   | 10            | 90                 | 7                  | 93                 | R      |          | R    | D    |          |                |            |           |                    |                |                  | T             |        |             |        |                       |          | T            | C            | T       |              |                   |                 |              |              |            |                |       |              |  |  |  |  | clay with nannofossil           |                                 |                                |
| 21           | H          |         | 4             | 87   | 2             | 98                 | 7                  | 93                 | R      |          | R    | D    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | T            | T            |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 | clay                            |                                |
| 21           | H          |         | 7             | 56   |               |                    |                    |                    |        |          |      |      |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | T            |              |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 |                                 | clay with silt                 |
| 22           | H          |         | 3             | 50   | 25            | 75                 | 3                  | 97                 | T      |          |      | D    |          |                |            |           |                    |                |                  | T             |        |             |        |                       |          | A            | T            | N       | N            | N                 | N               |              |              |            |                |       |              |  |  |  |  |                                 | nannofossil clay                |                                |
| 22           | H          |         | 5             | 90   | 20            | 80                 | 5                  | 95                 | T      |          | T    | D    |          |                |            |           |                    |                |                  | T             |        |             |        |                       |          | T            | C/A          | T       |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 |                                 | clay with nannofossil          |
| 23           | X          |         | 5             | 113  | 10            | 90                 | 12                 | 88                 | C/R    |          | T    | D    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | C/R          | T            |         |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 |                                 | clay with nannofossil and silt |
| 24           | X          |         | 1             | 70   | 1             | 99                 | 15                 | 85                 | R      |          | R    | D    |          |                |            |           |                    |                |                  |               |        |             |        |                       |          | T            | T            | T       |              |                   |                 |              |              |            |                |       |              |  |  |  |  |                                 | clay with silt                  |                                |

| Smear Slides |      |            |    |           |               |                    |                    |                    |        | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |                    |                |                  |                |        |             |        |       |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |            |                |       |              |                                 |                                 |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|--------|--|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|----------------|--------|-------------|--------|-------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|--------------|---------------------------------|---------------------------------|
| Leg: 172     |      | Site: 1063 |    | Hole: A   |               | Sili.Fraction      |                    |                    |        | Composition  |      |      |          |                |            |           |                    |                |                  |                |        |             |        |       |          |              |              |         |              |                       |                   |                 |              |              |            |                |       |              |                                 |                                 |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombes (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discosters | Organic matter | Other | Unidentified |                                 |                                 |
| 24           | X    |            | 4  | 81        | 10            | 90                 | 3                  | 97                 | T      |  |      | D    |          |                |            |           |                    |                |                  |                | T      |             | T      |       |          |              |              |         |              |                       |                   |                 |              |              |            |                |       |              | clay with nannofossil           |                                 |
| 24           | X    |            | 5  | 72        | 30            | 70                 | 3                  | 97                 | T      |  |      | D    |          |                |            |           |                    |                |                  |                |        |             |        |       |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | nannofossil clay                |
| 26           | X    |            | 2  | 46        | 35            | 65                 | 10                 | 90                 | T      |  |      | D    |          |                |            |           |                    | T              | T                |                |        |             |        |       |          | A            | T            | N       | N            | N                     | T                 |                 |              |              |            |                |       |              |                                 | nannofossil clay                |
| 26           | X    |            | 3  | 35        | 20            | 80                 | 20                 | 80                 | C      |  |      | D    |          |                |            |           |                    |                | T                |                |        |             |        |       |          | C            | N            | N       | N            | N                     | T                 |                 |              |              |            |                |       |              |                                 | clay with silt and nannofossil  |
| 27           | X    |            | 4  | 10        | 50            | 50                 | 10                 | 90                 | T      |  |      | A    |          |                |            |           |                    |                |                  | R              |        |             |        |       |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | nannofossil clay mixed sediment |
| 27           | X    |            | 6  | 140       | 20            | 80                 | 20                 | 80                 | C      |  |      | D    |          |                |            |           |                    |                |                  | R              |        |             |        |       |          | C            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | clay with silt and nannofossil  |
| 28           | X    |            | 1  | 140       | 50            | 50                 | 10                 | 90                 | T      |  |      | A    |          |                |            |           |                    |                | T                |                |        |             |        |       |          | A            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | nannofossil clay mixed sediment |
| 28           | X    |            | 5  | 90        | 15            | 85                 | 25                 | 75                 | C      |  |      | D    |          |                |            |           |                    |                |                  | R              |        |             |        |       |          | C            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | silty clay with nannofossil     |
| 28           | X    | cc         | 5  |           |               |                    | 7                  | 93                 | R      |  | T    | D    |          |                |            |           |                    |                |                  | R              | T/R    |             | T      |       | T        | A            |              |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil clay                |                                 |
| 29           | X    |            | 1  | 60        |               |                    | 5                  | 95                 | R      |  | T    | D    |          |                |            |           |                    |                |                  | T/R            | T      |             | T      |       | R        | C            | T            |         |              |                       |                   |                 |              |              |            |                |       |              | clay with nannofossil           |                                 |
| 29           | X    |            | 3  | 30        | 35            | 65                 | 5                  | 95                 | T      |  |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |       |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | nannofossil clay                |
| 29           | X    |            | 6  | 25        | <5            | 95                 | 25                 | 75                 | C      |  |      | D    |          |                |            |           |                    |                |                  | C              |        |             |        |       |          | T            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | silty clay                      |
| 30           | X    |            | 2  | 34        |               |                    | 2                  | 98                 | T      |  |      | D    |          |                |            |           |                    |                |                  | T              |        |             | T      |       |          | A            | T            |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil clay                |                                 |
| 30           | X    |            | 4  | 50        |               |                    | 20                 | 80                 | C      |  |      | D    |          |                |            |           |                    |                |                  | R              | T      |             | T      |       | T        | R            |              |         |              |                       |                   |                 |              |              |            |                |       |              | clay with silt                  |                                 |
| 30           | X    |            | 6  | 54        |               |                    | 10                 | 90                 | R      |  |      | A    |          |                |            |           |                    |                |                  | R/C            | T      |             |        |       |          | A/D          | T            |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil clay mixed sediment |                                 |
| 31           | X    |            | 6  | 32        | 35            | 65                 | 10                 | 90                 | T      |  |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |       |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | nannofossil clay                |
| 31           | X    |            | 8  | 20        | <5            | 95                 | 20                 | 80                 | C      |  |      | D    |          |                |            |           |                    |                |                  | R              | T      |             |        |       |          | T            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | clay with silt                  |
| 32           | X    |            | 1  | 138       | 5             | 95                 | 1                  | 99                 | T      |  | T    | D    |          |                |            |           |                    |                |                  | T              | T      |             |        |       |          | R            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | clay                            |
| 32           | X    |            | 5  | 124       | 25            | 75                 | 1                  | 99                 | T      |  |      | D    |          |                |            |           |                    |                |                  | T              |        |             |        |       |          | A            | T            |         |              |                       |                   |                 |              |              |            |                |       |              | nannofossil clay                |                                 |
| 33           | X    |            | 1  | 82        | 2             | 98                 | 8                  | 92                 | R      |  | T    | D    |          |                |            |           |                    |                |                  | T              | T      |             |        |       |          | T            | N            | N       | N            | N                     | N                 |                 |              |              |            |                |       |              |                                 | clay                            |

| Smear Slides |      |            |    |           |               |                    |                    |                    |        | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |            |                |       |              |  |  |  |                        |                                 |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|--------|--|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|---------------|--------|-------------|--------|-------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|--------------|--|--|--|------------------------|---------------------------------|
| Leg: 172     |      | Site: 1063 |    | Hole: A   |               | Sili.Fraction      |                    |                    |        | Composition  |      |      |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              |              |         |              |                       |                   |                 |              |              |            |                |       |              |  |  |  |                        |                                 |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discosters | Organic matter | Other | Unidentified |  |  |  |                        |                                 |
| 33           | X    |            | 4  | 85        | 25            | 75                 | 1                  | 99                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               | T      |             |        |       |          |              | A/C          | T       |              |                       |                   |                 |              |              |            |                |       |              |  |  |  | nannofossil clay       |                                 |
| 34           | X    |            | 1  | 61        | 1             | 99                 | 10                 | 90                 | C      |  | R    | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          | T            | T            |         |              |                       |                   |                 |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 34           | X    |            | 2  | 105       | 10            | 90                 | 1                  | 99                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               | T      |             |        |       |          |              | C            | T       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with Nannofossils          |
| 35           | X    |            | 2  | 56        | 0             | 100                | 20                 | 80                 | C      |  | C    | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | N            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 36           | X    |            | 1  | 73        | 0             | 100                | 20                 | 80                 | C      |  | C    | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | N            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 36           | X    |            | 6  | 77        | <1            | 99                 | 20                 | 80                 | C      |  | C    | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | T            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 36           | X    |            | 4  | 73        |               |                    | 2                  | 98                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | C/A          | T       |              |                       |                   |                 |              |              |            |                |       |              |  |  |  | clay with nannofossils |                                 |
| 37           | X    |            | 3  | 105       | 0             | 100                | 50                 | 50                 | A      |  | A    |      |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | T            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | silty clay                      |
| 37           | X    |            | 5  | 87        | 1             | 99                 | 10                 | 90                 | C      |  | C    | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | T            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 38           | X    |            | 1  | 92        | 0             | 100                | 10                 | 90                 | R      |  | R    | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | N            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 39           | X    |            | 1  | 58        | 5             | 95                 | 5                  | 95                 | R      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | R            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay                            |
| 40           | X    |            | 1  | 94        | 10            | 90                 | 3                  | 97                 | R      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | T            | C/A     | T            |                       |                   |                 |              |              |            |                |       |              |  |  |  |                        | clay with nannofossils          |
| 40           | X    |            | 3  | 113       | 0             | 100                | 5                  | 95                 | R      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | N            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay                            |
| 41           | X    |            | 2  | 115       | 5             | 95                 | 10                 | 90                 | R      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | R            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with silt                  |
| 41           | X    |            | 4  | 25        | 25            | 75                 | 5                  | 95                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | A            | T       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | nannofossil clay                |
| 42           | X    |            | 2  | 60        | 5             | 95                 | 5                  | 95                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | R            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay                            |
| 42           | X    |            | 5  | 33        | 35            | 65                 | 5                  | 95                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | A            | T       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | nannofossil clay                |
| 43           | X    |            | 5  | 20        | 30            | 70                 | 5                  | 95                 | N      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             | T      |       |          |              | A            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | nannofossil clay                |
| 43           | X    |            | 7  | 10        | 20            | 80                 | 5                  | 95                 | T      |  |      | D    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | C            | N       | N            | N                     | N                 | N               |              |              |            |                |       |              |  |  |  |                        | clay with nannofossils          |
| 44           | X    |            | 1  | 67        |               |                    | 5                  | 95                 | T      |  |      | A    |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              | A            |         |              |                       |                   |                 |              |              |            |                |       |              |  |  |  | R                      | clay-nannofossil mixed sediment |

| Smear Slides                |      |         |               |           |               |                    |                    |                    |        |          | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              |              |         |              |                   | Sediment or Rock Name |              |              |             |                |       |              |                  |                |
|-----------------------------|------|---------|---------------|-----------|---------------|--------------------|--------------------|--------------------|--------|----------|--|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|---------------|--------|-------------|--------|-------|----------|--------------|--------------|---------|--------------|-------------------|-----------------------|--------------|--------------|-------------|----------------|-------|--------------|------------------|----------------|
| Leg: 172 Site: 1063 Hole: A |      |         | Sili.Fraction |           |               | Composition        |                    |                    |        |          |  |      |          |                |            |           |                    |                |                  |               |        |             |        |       |          |              |              |         |              |                   |                       |              |              |             |                |       |              |                  |                |
| Core                        | Type | Section | cm            | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar | Mica   | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules       | Shell debris | Fish remains | Discoasters | Organic matter | Other | Unidentified |                  |                |
| 44                          | X    |         | 4             | 55        |               |                    | 15                 | 85                 | A      |          | T  | D    |          |                |            |           |                    |                | T                |               |        |             | T      |       |          |              | R            |         |              |                   |                       |              |              |             |                |       | T            | clay with silt   |                |
| 45                          | X    |         | 2             | 52        | 5             | 95                 | 15                 | 85                 | A/C    |          |  | D    |          |                |            |           |                    |                | T                |               |        | T           |        |       |          | T            |              |         |              |                   |                       |              |              |             |                |       |              |                  | clay with silt |
| 45                          | X    |         | 4             | 47        | 35            | 65                 | 5                  | 95                 | T      |          |  | D    |          |                |            |           |                    |                | R                |               |        |             |        |       |          | A            | N            | N       | N            | N                 | N                     |              |              |             |                |       |              | nannofossil clay |                |

| Smear Slides |            |         |     | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |               |                    |                    |                    |             |          |      |      |          |                |            |           |                    |                |                  |        |        | Sediment or Rock Name |             |        |       |          |              |              |         |              |                   |                 |              |              |            |                |       |                              |                              |                                 |
|--------------|------------|---------|-----|--|---------------|--------------------|--------------------|--------------------|-------------|----------|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|--------|--------|-----------------------|-------------|--------|-------|----------|--------------|--------------|---------|--------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|------------------------------|------------------------------|---------------------------------|
| Leg: 172     | Site: 1063 | Hole: B |     | Sili.Fraction  |               |                    |                    |                    | Composition |          |      |      |          |                |            |           |                    |                |                  |        |        |                       |             |        |       |          |              |              |         |              |                   |                 |              |              |            |                |       |                              |                              |                                 |
| Core         | Type       | Section | cm  | % Pelagic  | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz      | Feldspar | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs | Opaque |                       | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discasters | Organic matter | Other | Unidentified                 |                              |                                 |
| 1            | H          | 1       | 23  | 40   | 60            | 5                  | 95                 | T                  |             |          |      | D    |          |                |            |           |                    |                |                  | T      |        |                       |             |        |       | T        | A            | T            | T       |              |                   |                 |              |              |            |                |       |                              |                              | clay nannofossil mixed sediment |
| 1            | H          | 1       | 99  | 50   | 50            | 5                  | 95                 | T                  |             |          |      | T    |          |                |            |           |                    |                |                  | T      |        |                       |             |        | T     | D        | T            |              |         |              |                   |                 |              |              |            |                |       |                              |                              | nannofossil clay mixed sediment |
| 1            | H          | 2       | 85  | 12   | 88            | 2                  | 98                 | T                  |             |          |      | T    | D        |                |            |           |                    |                |                  | T      | T      |                       |             |        |       |          | R            |              | R       | R            | T                 |                 |              |              |            |                |       |                              |                              | clay with biosilica             |
| 1            | H          | 3       | 95  | 5  | 95            | 20                 | 80                 | C                  |             |          |      | C    | D        |                |            |           |                    |                |                  | T      | T      |                       |             |        | T     | R        | T            | T            |         |              |                   |                 |              |              |            |                |       |                              | clay with silt               |                                 |
| 2            | H          | 2       | 77  | 7  | 93            | 10                 | 90                 | C                  |             |          |      | R    | D        |                |            |           |                    |                |                  | T      | T      |                       |             |        |       | T        | N            | T            |         |              |                   |                 |              |              |            |                |       | clay with silt               |                              |                                 |
| 2            | H          | 4       | 35  | 4  | 96            | 20                 | 80                 | C                  |             |          |      | D    |          |                |            |           |                    |                |                  | T      | T      |                       |             |        | T     | T        |              | R            |         |              |                   |                 |              |              |            |                |       | clay with silt               |                              |                                 |
| 3            | H          | 2       | 55  | 35   | 65            | 5                  | 95                 | R                  |             |          |      | D    |          |                |            |           |                    |                |                  | T      |        |                       |             |        |       | A        | T            |              |         |              |                   |                 |              |              |            |                |       | nannofossil clay             |                              |                                 |
| 3            | H          | 4       | 99  | 10   | 90            | 20                 | 80                 | C                  |             |          |      | C    | D        |                |            |           |                    |                |                  | T      | T      |                       |             |        | T     | T        |              | C            |         | R            |                   |                 |              |              |            |                |       | clay with silt and biosilica |                              |                                 |
| 3            | H          | 7       | 61  | 15   | 85            | 1                  | 99                 | T                  |             |          |      | D    |          |                |            |           |                    |                |                  | T      |        |                       |             |        |       | C        |              | T            | T       |              |                   |                 |              |              |            |                |       | clay with nannofossils       |                              |                                 |
| 4            | H          | 5       | 41  | 25   | 75            | 5                  | 95                 | R                  |             |          |      | D    |          |                |            |           |                    |                |                  | T      | T      |                       |             |        | T     | A        | T            |              |         |              |                   |                 |              |              |            |                |       | nannofossil clay             |                              |                                 |
| 4            | H          | 6       | 76  | 8  | 92            | 11                 | 89                 | R/C                |             |          |      | D    |          |                |            |           |                    |                |                  | T      | T      |                       |             |        | T     | R/C      | T            |              |         |              |                   |                 |              |              |            |                |       |                              | clay                         |                                 |
| 7            | H          | 1       | 90  |  |               | 30                 | 70                 | R/C                |             |          |      | T    | D        |                |            |           |                    |                |                  |        |        |                       |             |        | T     | C        |              |              |         |              |                   |                 |              |              |            |                |       |                              | silty clay with nannofossils |                                 |
| 7            | H          | 4       | 70  |  |               | 20                 | 80                 | C                  |             |          |      | D    |          |                |            |           |                    |                |                  | R/C    | T      |                       |             |        |       |          |              | C            | R       | R            | C                 |                 |              |              |            |                |       |                              | siliceous clay w. silt       |                                 |
| 7            | H          | 6       | 70  |  |               | 7                  | 93                 | T                  |             |          |      | R    |          |                |            |           |                    |                |                  | C      | T      |                       |             |        |       | D        | T/R          | T            | T       |              |                   |                 |              |              |            |                |       |                              | nannofossil ooze             |                                 |
| 8            | H          | 3       | 40  | 80   | 20            | 10                 | 90                 | T                  |             |          |      | C    |          |                |            |           |                    |                |                  | T      |        |                       |             |        |       | D        | T            |              |         |              |                   |                 |              |              |            |                |       | nannofossil ooze with clay   |                              |                                 |
| 8            | H          | 4       | 55  | 5  | 95            | 10                 | 90                 | R                  |             |          |      | D    |          |                |            |           |                    |                |                  | R      | T      |                       |             |        |       | R        | N            |              |         |              |                   |                 |              |              |            |                |       | clay                         |                              |                                 |
| 11           | H          | 1       | 65  | 15   | 85            | 5                  | 95                 | R                  |             |          |      | R    | D        |                |            |           |                    |                |                  | T      | T      |                       |             |        | T     | C        | T            | R            |         | T            |                   |                 |              |              |            |                |       | clay with nannofossils       |                              |                                 |
| 11           | H          | 5       | 18  | 75   | 25            | 1                  | 99                 | T                  |             |          |      | A    |          |                |            |           |                    |                |                  | T      |        |                       |             |        |       | D        | T            |              |         |              |                   |                 |              |              |            |                |       | clayey nannofossil ooze      |                              |                                 |
| 11           | H          | 6       | 111 | 75   | 25            | 5                  | 95                 | T                  |             |          |      | A    |          |                |            |           |                    |                |                  | T      |        |                       |             |        |       | D        | T            |              |         |              |                   |                 |              |              |            |                |       | clayey nannofossil ooze      |                              |                                 |
| 12           | H          | 2       | 63  | 10   | 90            | 5                  | 95                 | T                  |             |          |      | D    |          |                |            |           |                    |                |                  | T      | T      |                       |             |        |       | C        |              | R            | R       |              |                   |                 |              |              |            |                |       |                              | clay with nannofossils       |                                 |

| Smear Slides |            |         |    |           |               |                    |                    |                    |        | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |                    |                |                  |        |        |             |        |       |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |             |                |       |              |  |                                 |                                 |                                 |
|--------------|------------|---------|----|-----------|---------------|--------------------|--------------------|--------------------|--------|--|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|--------|--------|-------------|--------|-------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|-------------|----------------|-------|--------------|--|---------------------------------|---------------------------------|---------------------------------|
| Leg: 172     | Site: 1063 | Hole: B |    |           | Sili.Fraction |                    |                    |                    |        | Composition  |      |      |          |                |            |           |                    |                |                  |        |        |             |        |       |          |              |              |         |              |                       |                   |                 |              |              |             |                |       |              |  |                                 |                                 |                                 |
| Core         | Type       | Section | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs | Opaque | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discoasters | Organic matter | Other | Unidentified |  |                                 |                                 |                                 |
| 12           | H          |         | 5  | 69        | 10            | 90                 | 8                  | 92                 | R      |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          |              | T            |         | C            | C                     | T                 |                 |              |              |             |                |       |              |  |                                 | clay with biosilica             |                                 |
| 12           | H          |         | 5  | 131       | 50            | 50                 | 5                  | 95                 | R      |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          |              | A            | T       | N            | N                     | N                 | NT              |              |              |             |                |       |              |  |                                 |                                 | clay nannofossil mixed sediment |
| 13           | H          |         | 2  | 55        | 2             |                    | 8                  |                    | R      | T  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | T            | T       | N            | N                     | N                 | N               |              |              |             |                |       |              |  |                                 |                                 | clay                            |
| 13           | H          |         | 3  | 54        | 3             |                    | 5                  |                    | R      |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | T            | T       | N            | N                     | N                 | N               |              |              |             |                |       |              |  |                                 |                                 | clay                            |
| 13           | H          |         | 6  | 98        | 30            |                    | 10                 |                    | R      | T  |      | D    |          |                |            |           |                    |                | T                |        |        |             |        |       | T        | A            | T            |         |              |                       |                   |                 |              |              |             |                |       |              |  |                                 | nannofossil clay                |                                 |
| 14           | H          |         | 1  | 82        | 5             |                    | 5                  |                    |        | T  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | N            | T       | N            | N                     | N                 |                 |              |              |             |                |       |              |  |                                 | clay                            |                                 |
| 14           | H          |         | 2  | 95        | 10            |                    | 12                 |                    | C/R    | T  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | N            | R       | R            | T                     |                   |                 |              |              |             |                |       |              |  |                                 | clay with silt and biosilica    |                                 |
| 15           | H          |         | 4  | 96        | 7             |                    | 10                 |                    | R      | R  |      | D    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | T            | T            | R       | R            |                       |                   |                 |              |              |             |                |       |              |  |                                 | clay with silt                  |                                 |
| 15           | H          |         | 6  | 140       | 50            |                    | 2                  |                    | T      |  | T    | A    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | D            | T            |         |              |                       |                   |                 |              |              |             |                |       |              |  |                                 | nannofossil clay mixed sediment |                                 |
| 16           | H          |         | 2  | 69        | 5             |                    | 11                 |                    | R      | R  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | T            | T       | T            |                       |                   |                 |              |              |             |                |       |              |  |                                 | clay with silt                  |                                 |
| 16           | H          |         | 3  | 110       | 5             |                    | 5                  |                    | R      | T  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | T            | T       | N            | N                     | N                 | N               |              |              |             |                |       |              |  |                                 |                                 | clay                            |
| 16           | H          |         | 6  | 125       | 50            |                    | 1                  |                    | T      |  |      | A    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | D            | T            | T       | T            |                       |                   |                 |              |              |             |                |       |              |  |                                 | nannofossil clay mixed sediment |                                 |
| 17           | H          |         | 1  | 112       | 8             |                    | 8                  |                    | R      |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | R/C          | T            |         | T            |                       |                   |                 |              |              |             |                |       |              |  |                                 | clay                            |                                 |
| 17           | H          |         | 5  | 91        | 2             |                    | 5                  |                    | R      |  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | T            | T       | T            | T                     |                   |                 |              |              |             |                |       |              |  |                                 | clay                            |                                 |
| 18           | H          |         | 3  | 113       | 50            |                    | 1                  |                    | T      |  | T    | A    |          |                |            |           |                    |                |                  |        | T      |             |        |       |          | D            | T            | N       | N            | N                     | T                 |                 |              |              |             |                |       |              |  |                                 | nannofossil clay mixed sediment |                                 |
| 18           | H          |         | 4  | 77        | 5             |                    | 8                  |                    | R      | T  |      | D    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | T            | T            | T       | T            | T                     |                   |                 |              |              |             |                |       |              |  |                                 | clay                            |                                 |
| 19           | H          |         | 1  | 130       |               |                    | 7                  | 93                 | R/C    |  | T    | D    |          |                |            |           |                    |                | R                | T      |        |             | T      |       |          | C            |              | T       |              |                       |                   |                 |              |              |             |                |       |              |  | clay with nannofossil           |                                 |                                 |
| 19           | H          |         | 5  | 52        |               |                    | 5                  | 95                 | R      |  | T    | D    |          |                |            |           |                    |                | R/C              | T      |        |             | T      |       |          | A            | R            |         |              |                       |                   |                 |              |              |             |                |       |              |  | nannofossil clay                |                                 |                                 |
| 20           | H          |         | 1  | 34        |               |                    | 20                 | 80                 | C      |  | R    | D    |          |                |            |           |                    |                | C                | T      |        |             | T      |       |          | T/R          |              | R       |              |                       |                   |                 |              |              |             |                |       |              |  | clay with silt                  |                                 |                                 |
| 20           | H          |         | 3  | 57        |               |                    | 3                  | 97                 | T      |  |      | A    |          |                |            |           |                    |                | R                |        |        |             |        |       |          | A            | R            |         |              |                       |                   |                 |              |              |             |                |       |              |  | nannofossil clay mixed sediment |                                 |                                 |



| Smear Slides |      |            |    |           |               |                    |                    |                    |             | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |                    |                |                  |        |        |             |        |       |          |              |              | Sediment or Rock Name |         |              |                   |                 |              |              |            |                |       |              |                                 |                        |                                 |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|-------------|--|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|--------|--------|-------------|--------|-------|----------|--------------|--------------|-----------------------|---------|--------------|-------------------|-----------------|--------------|--------------|------------|----------------|-------|--------------|---------------------------------|------------------------|---------------------------------|
| Leg: 172     |      | Site: 1063 |    | Hole: B   |               | Sili.Fraction      |                    |                    | Composition |  |      |      |          |                |            |           |                    |                |                  |        |        |             |        |       |          |              |              |                       |         |              |                   |                 |              |              |            |                |       |              |                                 |                        |                                 |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz      | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs | Opaque | Fe/MN Oxide | Pyrite | Glass | Hematite | Nannofossils | Foraminifers |                       | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discosters | Organic matter | Other | Unidentified |                                 |                        |                                 |
| 21           | H    |            | 1  | 65        |               |                    | 40                 | 60                 | T           |  |      | D    |          |                |            |           |                    |                | R                |        |        |             |        |       |          | A            | R            |                       |         |              |                   |                 |              |              |            |                |       |              | nannofossil clay                |                        |                                 |
| 21           | H    |            | 5  | 60        |               |                    | 20                 | 80                 | C           |  |      | D    |          |                |            |           |                    | T              | R                | T      |        |             |        |       |          | T            | N            |                       |         |              |                   |                 |              |              |            |                |       |              |                                 | clay with silt         |                                 |
| 22           | H    |            | 4  | 30        |               |                    | 15                 | 85                 | C           |  |      | D    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | T            | N            |                       |         |              |                   |                 |              |              |            |                |       |              |                                 | clay with silt         |                                 |
| 22           | H    |            | 6  | 140       |               |                    | 10                 | 90                 | T           |  |      | A    |          |                |            |           |                    |                | R                |        |        |             |        |       |          | A            | C            |                       |         |              |                   |                 |              |              |            |                |       |              | nannofossil clay mixed sediment |                        |                                 |
| 24           | X    |            | 1  | 90        |               |                    | 40                 | 60                 | R           |  |      | D    |          |                |            |           |                    |                | R                |        |        |             |        |       |          | A            | T            |                       |         |              |                   |                 |              |              |            |                |       |              | nannofossil clay                |                        |                                 |
| 24           | X    |            | 4  | 98        |               |                    | 15                 | 85                 | R           |  |      | D    |          |                |            |           |                    |                | R                |        |        |             |        |       |          | T            | N            |                       |         |              |                   |                 |              |              |            |                |       |              |                                 | clay with silt         |                                 |
| 25           | X    |            | 3  | 108       | <1            | 100                | 20                 | 80                 | C           |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            |              | T                     |         |              |                   |                 |              |              |            |                |       |              |                                 | clay with silt         |                                 |
| 25           | X    |            | 6  | 107       | 25            | 75                 | 5                  | 95                 | T           |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | A            | N            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | nannofossil clay                |
| 26           | X    |            | 3  | 90        | <1            | 100                | 10                 | 90                 | R           |  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | N            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay with silt                  |
| 26           | X    |            | 4  | 144       | 20            | 80                 | 1                  | 99                 | T           |  |      | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | C            | T            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay with nannofossil           |
| 27           | X    |            | 4  | 67        | 50            | 50                 | 1                  | 99                 | T           |  | T    | A    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | D            | T            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | nannofossil clay mixed sediment |
| 27           | X    |            | 4  | 135       | 5             | 95                 | 10                 | 90                 | R           |  | R    | D    |          |                |            |           |                    |                | T                | T      | T      |             |        |       |          | R            | N            | N                     | N       | N            |                   |                 |              |              |            |                |       |              |                                 |                        | clay with silt                  |
| 28           | X    |            | 4  | 111       | 30            | 70                 | 5                  | 95                 | T           |  | T    | D    |          |                |            |           |                    |                | T                | T      | T      |             |        |       |          | A            | T            | N                     | N       | N            |                   |                 |              |              |            |                |       |              |                                 |                        | nannofossil clay                |
| 28           | X    |            | 4  | 15        | 40            | 60                 | 1                  | 99                 | T           |  |      | D    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | T            | A            | T                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay nannofossil mixed sediment |
| 29           | X    |            | 1  | 122       | 15            | 85                 | 10                 | 90                 | R           |  | R    | D    |          |                |            |           |                    |                | T                |        | T      |             |        |       |          | T            | C            | T                     |         |              |                   |                 |              |              |            |                |       |              |                                 | clay with nannofossils |                                 |
| 29           | X    |            | 3  | 109       | 10            | 90                 | 7                  | 93                 | R           |  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | T            | C            | T                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay with nannofossils          |
| 30           | X    |            | 1  | 65        | 10            | 90                 | 5                  | 95                 | T           |  |      | D    |          |                |            |           |                    |                | T                | T      | T      |             |        |       |          | C/R          | N            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay with nannofossils          |
| 31           | X    |            | 1  | 58        | 10            | 90                 | 10                 | 90                 | C/R         |  | R    | D    |          |                |            |           |                    |                | T                |        |        |             |        |       |          | C/R          | N            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay with nannofossils and silt |
| 31           | X    |            | 5  | 115       |               |                    |                    |                    |             |  |      |      |          |                |            |           |                    |                |                  |        | T      |             |        |       |          | N            |              |                       |         |              |                   |                 |              |              |            |                |       |              |                                 | clay ? (lithified)     |                                 |
| 32           | X    |            | 1  | 108       | 7             | 93                 | 9                  | 91                 | R           |  | R    | D    |          |                |            |           |                    |                | T                | T      |        |             |        |       |          | C/R          | T            | N                     | N       | N            | N                 |                 |              |              |            |                |       |              |                                 |                        | clay                            |

| Smear Slides |      |            |    |           |               |                    |                    |                    |        | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |                    |                |                  |        |        |             |        |       | Sediment or Rock Name |          |              |              |         |              |                   |                 |              |              |             |                |       |              |                                 |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|--------|--|------|------|----------|----------------|------------|-----------|--------------------|----------------|------------------|--------|--------|-------------|--------|-------|-----------------------|----------|--------------|--------------|---------|--------------|-------------------|-----------------|--------------|--------------|-------------|----------------|-------|--------------|---------------------------------|
| Leg: 172     |      | Site: 1063 |    | Hole: B   |               |                    | Sili.Fraction      |                    |        | Composition  |      |      |          |                |            |           |                    |                |                  |        |        |             |        |       |                       |          |              |              |         |              |                   |                 |              |              |             |                |       |              |                                 |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Zeolites/Aragonite | Rock Fragments | Carbonate Grains | Rhombs | Opaque | Fe/MN Oxide | Pyrite | Glass |                       | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Discoasters | Organic matter | Other | Unidentified |                                 |
| 33           | X    |            | 1  | 56        | 5             | 95                 | 20                 | 80                 | C      |  | R    |      |          |                |            |           |                    |                | T                | T      |        |             |        |       |                       |          |              |              |         |              |                   |                 |              |              |             |                |       |              | clay with silt                  |
| 33           | X    |            | 6  | 89        | 10            | 90                 | 7                  | 93                 | R      |  |      |      |          |                |            |           |                    |                | T                | T      |        |             |        |       |                       | C/R      | T            |              |         |              |                   |                 |              |              |             |                |       |              | clay with nannofossils          |
| 34           | X    |            | 1  | 107       | 3             | 97                 | 10                 | 90                 | R      |  | R    | D    |          |                |            |           |                    |                | T                | T      | T      |             |        |       |                       | T        | T            |              |         |              |                   |                 |              |              |             |                |       |              | clay with silt                  |
| 34           | X    |            | 6  | 98        | 1             | 99                 | 10                 | 90                 | R      |  | R    |      |          |                |            |           |                    |                | T                | T      | T      |             |        |       |                       | T        | N            | N            | N       | N            | N                 |                 |              |              |             |                |       |              | clay with silt                  |
| 35           | X    |            | 1  | 63        |               |                    | 10                 | 90                 | R      |  | T    | D    |          |                |            |           |                    |                | Y                | T      |        |             | T      |       |                       | A        | T            |              |         |              |                   |                 |              |              |             |                |       |              | nannofossil clay with silt      |
| 35           | X    |            | 1  | 133       |               |                    | 5                  | 95                 | C      |  | T    | D    |          |                |            |           |                    |                | Y                |        |        |             | T      |       |                       | C        | T            |              |         |              |                   |                 |              |              |             |                |       |              | clay with nannofossil and silt  |
| 38           | X    |            | 2  | 120       |               |                    | 3                  | 97                 | R/C    |  | T    | D    |          |                |            |           |                    |                | T/R              | T      |        |             | T      |       |                       | C/A      |              |              |         |              |                   |                 |              |              |             |                |       |              | clay with nannofossil           |
| 38           | X    |            | 4  | 139       |               |                    | 7                  | 93                 | R      |  |      | A    |          |                |            |           |                    |                | R                |        |        |             | T      |       |                       | A        | T            |              |         |              |                   |                 |              |              |             |                |       |              | nannofossil clay mixed sediment |

| Smear Slides |      |            |    |           |               |                    |                    |                    |             | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 |                                     |                |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|-------------|--|------|------|----------|----------------|------------|-----------|-----------|----------------|------------------|----------------|--------|-------------|--------|-----------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|-----------------|----------------|-------|--------------|--|------------------|----------------------------------|---------------------------------|-------------------------------------|----------------|
| Leg: 172     |      | Site: 1063 |    | Hole: C   |               | Sili.Fraction      |                    |                    | Composition |  |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |              |                       |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 |                                     |                |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz      | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Aragonite | Rock Fragments | Carbonate Grains | Rhombes (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Amphibole | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Peloids/pellets | Organic matter | Other | Unidentified |  |                  |                                  |                                 |                                     |                |
| 1            | H    |            | 1  | 113       |               |                    | 7                  | 93                 | R           |  |      | D    |          |                |            |           |           |                | R                |                |        |             | T      |           | T        | A            | R/C          |         |              |                       |                   |                 |              |              |                 |                |       |              |  | nannofossil clay |                                  |                                 |                                     |                |
| 1            | H    |            | 2  | 80        |               |                    | 30                 | 70                 | C           |  |      | D    |          |                |            |           |           |                | C                |                |        |             | T      |           | T        | T            |              | R/C     | R            | R                     | C                 |                 |              |              |                 |                |       |              |  |                  |                                  | siliceous silty clay            |                                     |                |
| 2            | H    |            | 4  | 100       |               |                    | 20                 | 80                 | C           |  |      | T    | D        |                |            |           |           |                | R                |                |        |             | T      |           | T        | R            | T            | T       |              | R                     |                   |                 |              |              |                 |                |       |              |  |                  | clay with silt                   |                                 |                                     |                |
| 3            | H    |            | 3  | 110       | 40            | 60                 | 10                 | 90                 | R           |  |      | D    |          |                |            |           |           |                | R                |                |        |             |        |           |          | C            |              |         |              |                       |                   |                 |              |              |                 |                |       |              |  |                  | siliceous clay with nannofossils |                                 |                                     |                |
| 3            | H    |            | 5  | 85        | 25            | 75                 | 10                 | 90                 | T           |  |      | D    |          |                |            |           |           |                | T/R              |                |        |             |        |           |          | C            | T            | T       | T            | T                     | T                 |                 |              |              |                 |                |       |              |  |                  |                                  | nannofossil clay                |                                     |                |
| 4            | H    |            | 7  | 70        | 20            | 80                 | 20                 | 80                 | C           |  |      | D    |          |                |            |           |           |                | R                |                |        |             |        |           |          | N            | N            | R       | T            | T                     | R                 |                 |              |              |                 |                |       |              |  |                  |                                  | clay with silt and biosilica    |                                     |                |
| 4            | H    |            | 7  | 20        | 45            | 55                 | 5                  | 95                 | T           |  |      | A    |          |                |            |           |           |                | R                |                |        |             |        |           |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |                  |                                  | nannofossil clay mixed sediment |                                     |                |
| 5            | H    |            | 1  | 87        | 20            | 80                 | 5                  | 95                 | R           |  |      | T    | D        |                |            |           |           |                | T                | T              |        |             |        |           |          | C            | T            | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay with nannofossil               |                |
| 5            | H    |            | 4  | 86        | 3             | 97                 | 10                 | 90                 | R           | R  | R    | D    |          |                |            |           |           |                | T                | T              | T      |             |        |           | T        | R            | T            | T       |              | T                     |                   |                 |              |              |                 |                |       |              |  |                  |                                  | clay with silt                  |                                     |                |
| 7            | H    |            | 2  | 101       | 10            | 90                 | 8                  | 92                 | R           |  |      | T    | D        |                |            |           |           |                | R                | T              |        |             |        |           |          | T            | N            | R       | R            | T                     |                   |                 |              |              |                 |                |       |              |  |                  |                                  | clay                            |                                     |                |
| 7            | H    |            | 4  | 107       | 10            | 90                 | 8                  | 92                 | R           |  |      | D    |          |                |            |           |           |                | R                | T              |        |             |        |           | T        | C/R          |              | T       |              |                       |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay with nannofossils              |                |
| 7            | H    | CC         |    | 5         | 20            | 80                 | 5                  | 95                 | R           |  |      | D    |          |                |            |           |           |                | R                | T              |        |             |        |           |          | C            | T            | R       | R            | T                     |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay with nannofossil and biosilica |                |
| 8            | H    |            | 6  | 101       | 50            | 50                 | 1                  | 99                 | T           |  |      | A    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | D            | T            | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | nannofossil clay mixed sediment     |                |
| 8            | H    |            | 2  | 54        | 10            | 90                 | 10                 | 90                 | R           |  | R    | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | T            |              | R       | R            | T                     |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay with silt and biosilica        |                |
| 9            | H    |            | 1  | 74        | 2             | 98                 | 15                 | 85                 | C           | T  | R    | D    |          |                |            |           |           |                | T                | T              | T      |             |        |           | T        | T            | N            | T       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay with silt                      |                |
| 9            | H    |            | 6  | 78        | 15            | 85                 | 7                  | 93                 | R           | R  | T    | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | C            | T            | R       | R            |                       |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay with nannofossils              |                |
| 10           | H    |            | 2  | 66        | 25            | 75                 | 10                 | 90                 | R           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | A            | T            | T       |              |                       |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | nannofossil clay                    |                |
| 10           | H    |            | 4  | 128       | 75            | 25                 | <1                 | 100                | T           |  |      | A    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | D            | T            |         |              |                       |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clayey nannofossil ooze             |                |
| 10           | H    |            | 6  | 77        | 5             | 95                 | 7                  | 93                 | R           | T  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          |              |              |         |              |                       |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 | clay                                |                |
| 11           | H    |            | 1  | 82        | 1             | 99                 | 10                 | 90                 | R           | R  | T    | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | T            | T            | T       | T            | N                     |                   |                 |              |              |                 |                |       |              |  |                  |                                  |                                 |                                     | clay with silt |

| Smear Slides |            |         |    |               |               | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |                    |                    |        |          |      |      |          |                |            |           |           |                |                  |               |        |             |        |           |          | Sediment or Rock Name |              |              |         |              |                   |                 |              |              |                 |                |       |              |  |                                 |                                 |
|--------------|------------|---------|----|---------------|---------------|--|--------------------|--------------------|--------|----------|------|------|----------|----------------|------------|-----------|-----------|----------------|------------------|---------------|--------|-------------|--------|-----------|----------|-----------------------|--------------|--------------|---------|--------------|-------------------|-----------------|--------------|--------------|-----------------|----------------|-------|--------------|--|---------------------------------|---------------------------------|
| Leg: 172     | Site: 1063 | Hole: C |    | Sili.Fraction |               |  | Composition        |                    |        |          |      |      |          |                |            |           |           |                |                  |               |        |             |        |           |          |                       |              |              |         |              |                   |                 |              |              |                 |                |       |              |  |                                 |                                 |
| Core         | Type       | Section | cm | % Pelagic     | % Siliclastic | % Siliclastic Sand   | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Aragonite | Rock Fragments | Carbonate Grains | Rhombs (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Amphibole | Hematite |                       | Nannofossils | Foraminifers | Diatoms | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Peloids/pellets | Organic matter | Other | Unidentified |  |                                 |                                 |
| 11           | H          |         | 4  | 86            | 7             | 93   | 8                  | 92                 | R      | R        |      | D    |          |                |            |           |           |                |                  | T             | T      |             |        |           | T        | R                     | T            | T            | T       |              |                   |                 |              |              |                 |                |       |              |  |                                 | clay                            |
| 11           | H          |         | 6  | 52            | 1             | 99   | 8                  | 92                 | R      | T        |      | D    |          |                |            |           |           |                |                  | T             | T      |             |        |           | T        | N                     | R            | R            | T       |              |                   |                 |              |              |                 |                |       |              |  |                                 | clay with biosilica             |
| 13           | H          |         | 4  | 100           |               |  | 10                 | 90                 | R/C    |          |      | D    |          |                |            |           |           |                |                  | T             | T      |             |        |           | A        | T                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  |                                 | nannofossil clay with silt      |
| 13           | H          |         | 5  | 100           |               |  | 15                 | 85                 | R      |          | T    | D    |          |                |            |           |           |                |                  | T/R           |        |             | T      |           | T        | R                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  |                                 | clay with silt                  |
| 14           | H          |         | 5  | 55            | 30            | 70   | 10                 | 90                 | T      |          |      | D    |          |                |            |           |           |                |                  | R             |        |             |        |           | A        | T                     | N            | N            | N       | T            |                   |                 |              |              |                 |                |       |              |  |                                 | nannofossil clay                |
| 14           | H          |         | 7  | 10            | 25            | 75   | 35                 | 65                 | C      |          |      | D    |          |                |            |           |           |                |                  | T             |        |             |        |           | T        | T                     | R            | R            | R       | R            |                   |                 |              |              |                 |                |       |              |  |                                 | siliceous silty clay            |
| 15           | H          |         | 1  | 55            | 25            | 75   | 20                 | 80                 | R      |          |      | D    |          |                |            |           |           |                |                  | R             |        |             |        |           | T        | T                     | R            | R            | R       | R            |                   |                 |              |              |                 |                |       |              |  |                                 | siliceous clay with silt        |
| 15           | H          |         | 4  | 50            | >5            | 95   | 30                 | 70                 | R      |          |      | D    |          |                |            |           |           |                |                  | C             | T      |             |        |           | R        | T                     | T            | N            |         |              |                   |                 |              |              |                 |                |       |              |  | silty clay                      |                                 |
| 15           | H          |         | 5  | 76            | 50            | 50   | 50                 | 50                 | T      |          |      | D    |          |                |            |           |           |                |                  | R             |        |             |        |           | A        | R                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  | nannofossil clay mixed sediment |                                 |
| 16           | H          |         | 1  | 140           |               |  | 30                 | 70                 | C/A    |          | T    | D    |          |                |            |           |           |                |                  | C             |        |             | T      |           | T        |                       | R            | T            |         | R/C          |                   |                 |              |              |                 |                |       |              |  | silty clay with silica          |                                 |
| 16           | H          |         | 4  | 18            |               |  | 7                  | 93                 | R      |          | T    | A    |          |                |            |           |           |                |                  | R/C           | T      |             |        | T         |          | A                     |              | T            | T       | T            |                   |                 |              |              |                 |                |       |              |  | nannofossil clay mixed sediment |                                 |
| 17           | H          |         | 1  | 50            |               |  | 20                 | 80                 | C      |          | T    | D    |          |                |            |           |           |                |                  | R             | T      |             |        | T         | T        | T                     | T            | T            | T       |              |                   |                 |              |              |                 |                |       |              |  | clay with silt                  |                                 |
| 17           | H          |         | 3  | 40            |               |  | 3                  | 97                 | T/R    |          |      | A    |          |                |            |           |           |                |                  | R             |        |             | T      |           | D        | T                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  | nannofossil clay mixed sediment |                                 |
| 17           | H          |         | 6  | 120           | 15            | 85   | 20                 | 80                 | R      |          |      | D    |          |                |            |           |           |                |                  | R             |        |             |        | T         |          | C                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  | clay with silt and nannofossils |                                 |
| 18           | H          |         | 1  | 57            |               |  | 20                 | 80                 | A      |          | T    | D    |          |                |            |           |           |                |                  | R             |        |             | R      |           | T        | T                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  | clay with silt                  |                                 |
| 18           | H          |         | 2  | 97            |               |  | 10                 | 90                 | R/C    |          | T    | D    |          |                |            |           |           |                |                  | C             |        |             | T      |           | R        | T                     |              |              |         |              |                   |                 |              |              |                 |                |       |              |  | clay with silt                  |                                 |
| 18           | H          |         | 6  | 130           |               |  |                    |                    |        |          |      | D    |          |                |            |           |           |                |                  | C             | T      |             |        | T         |          | T                     | A            | T            |         |              |                   |                 |              |              |                 |                |       |              |  | nannofossil clay mixed sediment |                                 |
| 19           | H          |         | 3  | 14            | 3             | 97   | 5                  | 95                 | R      | T        | T    | D    |          |                |            |           |           |                |                  | T             | T      |             |        |           |          | R                     | N            | N            | N       | N            | N                 | N               |              |              |                 |                |       |              |  |                                 | clay                            |
| 19           | H          |         | 5  | 64            | 10            | 90   | 15                 | 85                 | R      |          |      | D    |          |                |            |           |           |                |                  | T             | T      |             |        |           |          | N                     | N            | R            | R       | T            |                   |                 |              |              |                 |                |       |              |  | clay silt and biosilica         |                                 |
| 12           | H          |         | 4  | 83            | 50            | 50   | 4                  | 96                 | T      |          |      | D    |          |                |            |           |           |                |                  | T             |        |             |        |           |          | A                     | T            | N            | N       | N            | N                 |                 |              |              |                 |                |       |              |  |                                 | clay nannofossil mixed sediment |

| Smear Slides |      |            |    |           |               |                    |                    |                    |             | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         | Sediment or Rock Name |              |                   |                 |              |              |                 |                |       |              |  |                                 |                        |
|--------------|------|------------|----|-----------|---------------|--------------------|--------------------|--------------------|-------------|--|------|------|----------|----------------|------------|-----------|-----------|----------------|------------------|----------------|--------|-------------|--------|-----------|----------|--------------|--------------|---------|-----------------------|--------------|-------------------|-----------------|--------------|--------------|-----------------|----------------|-------|--------------|--|---------------------------------|------------------------|
| Leg: 172     |      | Site: 1063 |    | Hole: C   |               | Sili.Fraction      |                    |                    | Composition |  |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |                       |              |                   |                 |              |              |                 |                |       |              |  |                                 |                        |
| Core         | Type | Section    | cm | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz      | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Aragonite | Rock Fragments | Carbonate Grains | Rhombes (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Amphibole | Hematite | Nannofossils | Foraminifers | Diatoms |                       | Radiolarians | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Peloids/pellets | Organic matter | Other | Unidentified |  |                                 |                        |
| 12           | H    |            | 5  | 44        | 10            | 90                 | 20                 | 80                 | R           |  |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |                       |              |                   |                 |              |              |                 |                |       |              |  | clay with nannofossils          |                        |
| 20           | H    |            | 4  | 36        | 3             | 97                 | 20                 | 80                 | R           |  |      | D    |          |                |            |           |           |                | T                |                |        |             |        |           |          | T            | N            | T       | T                     |              |                   |                 |              |              |                 |                |       |              |  | clay with silt                  |                        |
| 20           | H    |            | 6  | 56        | 25            | 75                 | 3                  | 97                 | R           |  | T    | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | A            | T            | T       |                       |              |                   |                 |              |              |                 |                |       |              |  | nannofossil clay                |                        |
| 21           | H    |            | 3  | 56        | 60            | 40                 | 10                 | 90                 | T           |  |      | A    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | D            | T            |         |                       |              |                   |                 |              |              |                 |                |       |              |  | nannofossil clay mixed sediment |                        |
| 21           | H    |            | 5  | 69        | 1             | 99                 | 20                 | 80                 | C           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | T            | N            |         |                       |              |                   |                 |              |              |                 |                |       |              |  | clay with silt                  |                        |
| 21           | H    |            | 4  | 42        | 3             | 97                 | 15                 | 85                 | C           |  |      |      |          |                |            |           |           |                | T                | T              |        |             |        |           |          | R            | N            | N       | N                     | N            | N                 |                 |              |              |                 |                |       |              |  |                                 | clay with silt         |
| 22           | H    |            | 5  | 95        | 20            | 80                 | 5                  | 95                 | R           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | C            | T            | N       | N                     | N            | N                 |                 |              |              |                 |                |       |              |  |                                 | clay with nannofossils |
| 22           | H    |            | 3  | 89        | 1             | 99                 | 15                 | 85                 | R           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | T            | T            |         |                       |              |                   |                 |              |              |                 |                |       |              |  | clay with silt                  |                        |
| 23           | H    |            | 1  | 41        | 40            | 60                 | 2                  | 98                 | T           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | A            | T            | N       | N                     | N            | N                 |                 |              |              |                 |                |       |              |  |                                 | nannofossil clay       |
| 24           | H    |            | 1  | 48        | 20            | 80                 | 5                  | 95                 | T           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | C            | T            | N       | N                     | N            | N                 |                 |              |              |                 |                |       |              |  |                                 | clay with nannofossils |
| 24           | H    |            | 4  | 54        | 10            | 90                 | 5                  | 95                 | R           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | C            | T            | N       | N                     | N            | N                 |                 |              |              |                 |                |       |              |  |                                 | clay with nannofossils |

| Smear Slides |      |            |     |           |               |                    |                    |                    |             | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |                 |                |       |              |  |  |                  |   |                                 |
|--------------|------|------------|-----|-----------|---------------|--------------------|--------------------|--------------------|-------------|--|------|------|----------|----------------|------------|-----------|-----------|----------------|------------------|----------------|--------|-------------|--------|-----------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|-----------------|----------------|-------|--------------|--|--|------------------|---|---------------------------------|
| Leg: 172     |      | Site: 1063 |     | Hole: D   |               | Sili.Fraction      |                    |                    | Composition |  |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |              |                       |                   |                 |              |              |                 |                |       |              |  |  |                  |   |                                 |
| Core         | Type | Section    | cm  | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz      | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Aragonite | Rock Fragments | Carbonate Grains | Rhombes (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Amphibole | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Peloids/pellets | Organic matter | Other | Unidentified |  |  |                  |   |                                 |
| 1            | H    | 1          | 15  | 40        | 60            |                    | 5                  | 95                 | R           |  | T    | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | A/D          | T            | T       |              |                       |                   |                 |              |              |                 |                |       |              |  |  | nannofossil clay |   |                                 |
| 1            | H    | 2          | 50  | <1        | 100           |                    | 10                 | 90                 | C           |  | T    | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | T            | T            | T       | T            | T                     |                   |                 |              |              |                 |                |       |              |  |  |                  | clay with silt                                |                                 |
| 2            | H    | 2          | 93  | 5         | 95            |                    | 10                 | 90                 | C           |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | R            | T            | T       |              |                       |                   |                 |              |              |                 |                |       |              |  |  |                  | clay with silt                                |                                 |
| 2            | H    | 2          | 78  | 5         | 95            |                    | 10                 | 90                 | C           |  |      | D    |          |                |            |           |           |                | T                |                |        |             |        |           |          | R            | T            | T       |              |                       |                   |                 |              |              |                 |                |       |              |  |  |                  | clay with silt                                |                                 |
| 3            | H    | 1          | 70  |           |               |                    | 15                 | 85                 | R           |  | T    | D    |          |                |            |           |           |                |                  |                |        |             | T      |           | T        | C            | T            | R       | T            | T                     | C                 |                 |              |              |                 |                |       |              |  |  |                  | clay with silt and biosilica and nannofossils |                                 |
| 3            | H    | 7          | 50  |           |               |                    | 3                  | 97                 | R           | T  | T    | D    |          |                |            |           |           |                | R                | T              |        |             |        |           |          | A            | T            | R       | T            | T                     | R                 |                 |              |              |                 |                |       |              |  |  |                  | nannofossil clay with silica                  |                                 |
| 4            | H    | 2          | 60  | 15        | 85            |                    | 10                 | 90                 | R           | T  |      | D    |          |                |            |           |           |                | R                |                |        |             | T      |           |          | T/R          | N            | R       | T            | T                     | R                 |                 |              |              |                 |                |       |              |  |  |                  | clay with biosilica                           |                                 |
| 4            | H    | 5          | 50  | 30        | 70            |                    | 10                 | 90                 | R           |  |      | D    |          |                |            |           |           |                | T                |                |        |             |        |           |          | A            | R            | T       | T            | N                     | T                 |                 |              |              |                 |                |       |              |  |  |                  | nannofossil clay                              |                                 |
| 5            | H    | 2          | 120 |           |               |                    |                    |                    |             |  |      | A    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | A            | R            | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |  |                  |   | nannofossil clay mixed sediment |
| 5            | H    | 5          | 52  |           |               |                    |                    |                    | C           |  |      | D    |          |                |            |           |           |                | R                |                |        |             |        |           |          | R            | T            | T       | N            | N                     | T                 |                 |              |              |                 |                |       |              |  |  |                  | clay with silt                                |                                 |
| 6            | H    | 6          | 49  |           |               |                    | 10                 | 90                 | R           |  |      | D    |          |                |            |           |           |                | R                | T              |        |             | T      |           |          | A            | T            |         |              |                       |                   |                 |              |              |                 |                |       |              |  |  |                  | nannoclay with silt                           |                                 |
| 7            | H    | 1          | 55  | 15        | 85            |                    | 10                 | 90                 | R           |  |      | D    |          |                |            |           |           |                | T                |                |        |             |        |           |          | T            | R            | R       | T            | C/R                   |                   |                 |              |              |                 |                |       |              |  |  |                  | clay with silica and silt                     |                                 |
| 7            | H    | 2          | 90  |           |               |                    |                    |                    |             |  |      | A    |          |                |            |           |           |                | R                |                |        |             |        |           |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |  |                  |   | nannofossil clay mixed sediment |
| 8            | H    | 1          | 70  |           |               |                    |                    |                    | R           |  |      | D    |          |                |            |           |           |                | R                |                |        |             |        |           |          | T/R          | T            | R       | R            | R                     | R                 |                 |              |              |                 |                |       |              |  |  |                  |   | siliceous clay with silt        |
| 8            | H    | 3          | 112 |           |               |                    |                    |                    |             |  |      | A    |          |                |            |           |           |                | C                |                |        |             |        |           |          | A            | T            | N       | N            | N                     | T                 |                 |              |              |                 |                |       |              |  |  |                  |   | nannofossil clay mixed sediment |
| 8            | H    | 5          | 55  |           |               |                    |                    |                    | R           |  |      | D    |          |                |            |           |           |                | R                |                |        |             |        |           |          | C            | N            | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |  |                  |   | clay with nannofossils          |
| 9            | H    | 3          | 50  |           |               |                    | 10                 | 90                 | C           |  |      | D    |          |                |            |           |           |                | R/C              |                |        |             | T      |           | T/R      | A            | T            |         |              |                       |                   |                 |              |              |                 |                |       |              |  |  |                  |   | nannofossil clay with silt      |
| 9            | H    | 5          | 90  |           |               |                    | 35                 | 65                 | A           |  | R    | D    |          |                |            |           |           |                | R                |                |        |             | T      |           |          | T            |              | C       | R            | R                     | C                 |                 |              |              |                 |                |       |              |  |  |                  |   | siliceous silty clay            |
| 10           | H    | 1          | 121 | 18        | 82            |                    | 35                 | 65                 | R           |  |      | D    |          |                |            |           |           |                | T                | T              | T      |             |        |           |          | R/C          |              | R       | R            | T                     |                   |                 |              |              |                 |                |       |              |  |  |                  |   | clay with biosilica             |
| 10           | H    | 4          | 89  | 50        | 50            |                    | 2                  | 98                 | T           |  |      | A    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | D            |              | N       | N            | N                     | N                 |                 |              |              |                 |                |       |              |  |  |                  |   | nannofossil clay mixed sediment |

| Smear Slides |      |            |     |           |               |                    |                    |                    |        | N=none; T=trace (<2%); R=rare (2-10%); C=common (10-25%); A=abundant (25-50%); D=dominant (>50%) |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |              | Sediment or Rock Name |                   |                 |              |              |                 |                |                                 |                         |                       |                                 |
|--------------|------|------------|-----|-----------|---------------|--------------------|--------------------|--------------------|--------|--|------|------|----------|----------------|------------|-----------|-----------|----------------|------------------|----------------|--------|-------------|--------|-----------|----------|--------------|--------------|---------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|-----------------|----------------|---------------------------------|-------------------------|-----------------------|---------------------------------|
| Leg: 172     |      | Site: 1063 |     | Hole: D   |               | Sili.Fraction      |                    |                    |        | Composition  |      |      |          |                |            |           |           |                |                  |                |        |             |        |           |          |              |              |         |              |                       |                   |                 |              |              |                 |                |                                 |                         |                       |                                 |
| Core         | Type | Section    | cm  | % Pelagic | % Siliclastic | % Siliclastic Sand | % Siliclastic Silt | % Siliclastic Clay | Quartz | Feldspar   | Mica | Clay | Chlorite | Volcanic Glass | Glauconite | Phosphate | Aragonite | Rock Fragments | Carbonate Grains | Rhombes (Dol.) | Opaque | Fe/MN Oxide | Pyrite | Amphibole | Hematite | Nannofossils | Foraminifers | Diatoms | Radiolarians |                       | Silicoflagellates | Sponge Spicules | Shell debris | Fish remains | Peloids/pellets | Organic matter | Other                           | Unidentified            |                       |                                 |
| 11           | H    | 2          | 81  | <1        | 100           | 20                 | 80                 | C                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | T            | T            | T       | N            | N                     | N                 |                 |              |              |                 |                |                                 |                         |                       | clay with silt                  |
| 10           | H    | 4          | 89  | 40        | 60            | 5                  | 95                 | R                  |        |  |      | D    |          |                |            |           |           |                | R                | T              |        |             |        |           |          | A            | T            | N       | N            | N                     | N                 |                 |              |              |                 |                |                                 |                         |                       | nannofossil clay mixed sediment |
| 11           | H    | 5          | 76  | 3         | 97            | 10                 | 90                 | C                  |        |  |      | D    |          |                |            |           |           |                | R                | T              |        |             |        |           | T        | T            | N            | N       | N            | N                     | N                 |                 |              |              |                 |                |                                 |                         |                       | clay with silt                  |
| 12           | H    | 1          | 111 | 10        | 90            | 12                 | 88                 | C                  |        | T  | D    |      |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | N            | R            | T       | T            |                       |                   |                 |              |              |                 |                |                                 |                         | clay with silt        |                                 |
| 12           | H    | 6          | 89  | 25        | 75            | 3                  | 97                 | R                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | A        | T            | R            | T       | T            |                       |                   |                 |              |              |                 |                |                                 |                         | nannofossil clay      |                                 |
| 12           | H    | 3          | 101 | 0         | 100           | 25                 | 75                 |                    |        |  |      |      |          |                |            |           |           |                | A                | T              |        |             |        |           |          | T            |              |         |              |                       |                   |                 |              |              |                 |                |                                 | carbonaceous silty clay |                       |                                 |
| 13           | H    | 5          | 62  | 30        | 70            | 2                  | 98                 | T                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | A            | T            | N       | N            | N                     |                   |                 |              |              |                 |                |                                 |                         | nannofossil clay      |                                 |
| 13           | H    | 6          | 83  | 7         | 93            | 10                 | 90                 | C                  |        | T  | D    |      |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | R            | T            | N       | N            | N                     |                   |                 |              |              |                 |                |                                 |                         | clay with silt        |                                 |
| 14           | H    | 6          | 77  | 7         | 93            | 5                  | 95                 | R                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           |          | R            | T            | R       | T            | T                     |                   |                 |              |              |                 |                |                                 |                         | clay (with biosilica) |                                 |
| 14           | H    | 1          | 86  | 2         | 98            | 5                  | 95                 | R                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | T            | T            | N       | N            | N                     |                   |                 |              |              |                 |                |                                 |                         | clay                  |                                 |
| 15           | H    | 7          | 51  | 4         | 96            | 7                  | 93                 | R                  | T      | T  | D    |      |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | T            | T            | T       |              |                       |                   |                 |              |              |                 |                |                                 | clay                    |                       |                                 |
| 15           | H    | 4          | 77  | 4         | 96            | 4                  | 96                 | R                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | N            | T            | T       |              |                       |                   |                 |              |              |                 |                |                                 | clay                    |                       |                                 |
| 16           | H    | 1          | 64  | 2         | 98            | 10                 | 90                 | C                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | T            | T            | T       |              |                       |                   |                 |              |              |                 |                |                                 | clay with silt          |                       |                                 |
| 16           | H    | 5          | 66  | 5         | 95            |                    |                    |                    |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | N            | T            | T       |              |                       |                   |                 |              |              |                 |                |                                 | clay with silt          |                       |                                 |
| 17           | H    | 1          | 79  | 4         | 96            | 10                 | 90                 | R                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | N            | R            | R       | T            |                       |                   |                 |              |              |                 |                |                                 | clay with silt          |                       |                                 |
| 17           | H    | 6          | 99  | <1        | 100           | 10                 | 90                 | R                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | N            | T            |         |              |                       |                   |                 |              |              |                 |                | clay with silt                  |                         |                       |                                 |
| 17           | H    | 2          | 138 | <1        | 100           | 10                 | 90                 | C                  |        |  |      | D    |          |                |            |           |           |                | T                | T              |        |             |        |           | T        | N            | N            | N       |              |                       |                   |                 |              |              |                 |                | clay with silt                  |                         |                       |                                 |
| 18           | H    | 1          | 50  |           |               | 10                 | 90                 | C                  |        |  |      | D    |          |                |            |           |           |                | T                |                |        |             | T      |           | T        | R            |              |         |              |                       |                   |                 |              |              |                 |                | clay with silt                  |                         |                       |                                 |
| 18           | H    | 7          | 30  |           |               | 7                  | 93                 | R                  |        |  |      | A    |          |                |            |           |           |                | T                | T              |        |             |        |           | A        | T            |              |         |              |                       |                   |                 |              |              |                 |                | nannofossil clay mixed sediment |                         |                       |                                 |
| 19           | H    | 3          | 10  |           |               |                    |                    |                    | T      |  |      | D    |          |                |            |           |           |                | T                |                |        |             |        |           | C        | T            | T            | T       | T            | T                     |                   |                 |              |              |                 |                |                                 | clay with nannofossil   |                       |                                 |
| 19           | H    | 8          | 90  | 40        | 60            | 5                  | 95                 | T                  |        |  |      | A    |          |                |            |           |           |                | R                |                |        |             |        |           | A        | T            |              |         |              |                       |                   |                 |              |              |                 |                | nannofossil clay mixed sediment |                         |                       |                                 |