





| CM Scale | SS+TS Sample | Drilling Disturbance | Lithology |    |    |   | Bioturbation Index 0 - 4 | Sedimentary Structures | Pebble Counts >4mm less than #10 | Logged By: | Date:   |
|----------|--------------|----------------------|-----------|----|----|---|--------------------------|------------------------|----------------------------------|------------|---------|
|          |              |                      | C         | ST | SD | G |                          |                        |                                  | BJR        | 26/2/19 |
| 0        |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 2        |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 4        |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 6        |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 8        |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 10       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 12       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 14       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 16       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 18       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 20       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 22       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 24       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 26       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 28       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 30       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 32       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 34       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 36       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 38       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 40       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 42       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 44       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 46       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 48       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 50       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 52       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 54       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 56       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 58       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 60       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 62       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 64       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 66       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 68       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 70       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 72       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 74       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 76       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 78       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 80       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 82       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 84       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 86       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 88       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 90       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 92       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 94       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 96       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 98       |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 100      | SS           |                      |           |    |    |   |                          |                        |                                  |            |         |
| 102      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 104      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 106      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 108      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 110      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 112      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 114      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 116      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 118      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 120      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 122      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 124      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 126      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 128      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 130      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 132      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 134      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 136      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 138      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 140      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 142      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 144      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 145      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 146      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 148      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 150      |              |                      |           |    |    |   |                          |                        |                                  |            |         |
| 152      |              |                      |           |    |    |   |                          |                        |                                  |            |         |

IW

0-58cm Light grayish brown to yellowish brown color banded clay with mottling and lower gradational boundary from 52-61cm

61cm black lamina  
58-98cm Dark brown diatom ooze with surface voids and black mottling

98-145cm Pale brown diatom ooze, mottled and high concentration of surface voids

pale brown diatom ooze

| CM Scale | SS+TS Sample | Drilling Disturbance | Lithology |    |    |   | Bioturbation Index 0-4 | Sedimentary Structures | Pebble Counts<br>>4mm<br>less than #10 | Logged By:  | Date:   |
|----------|--------------|----------------------|-----------|----|----|---|------------------------|------------------------|--|---|---------|
|          |              |                      | C         | ST | SD | G |                        |                        |  | SP  | 2/26/19 |
| 0        |              |                      |           |    |    |   |                        |                        |  |   |         |
| 2        |              |                      |           |    |    |   |                        |                        |  |   |         |
| 4        |              |                      |           |    |    |   |                        |                        |  |   |         |
| 6        |              |                      |           |    |    |   |                        |                        |  |   |         |
| 8        |              |                      |           |    |    |   |                        |                        |  |   |         |
| 10       |              |                      |           |    |    | 4 |                        |                        |  | 0-42cm: very pale brown diatom ooze, heavily bioturbated    |         |
| 12       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 14       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 16       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 18       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 20       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 22       |              |                      |           |    |    | 3 |                        |                        |  | 42-118cm: brown massive diatom-ooze, moderately bioturbated |         |
| 24       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 26       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 28       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 30       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 32       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 34       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 36       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 38       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 40       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 42       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 44       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 46       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 48       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 50       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 52       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 54       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 56       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 58       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 60       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 62       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 64       | SS           |                      |           |    |    |   |                        |                        |  |   |         |
| 66       |              |                      |           |    |    | 2 |                        |                        |  | SS 65cm: diatom ooze  |         |
| 68       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 70       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 72       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 74       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 76       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 78       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 80       |              | None                 |           |    |    |   |                        |                        |  |   |         |
| 82       |              |                      |           |    |    |   |                        |                        |  | 79-82cm: granodiorite clast Ø 3cm (long axis), subangular   |         |
| 84       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 86       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 88       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 90       |              |                      |           |    |    |   |                        |                        |  | 118-119cm: black mottles                                    |         |
| 92       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 94       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 96       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 98       |              |                      |           |    |    |   |                        |                        |  |   |         |
| 100      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 102      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 104      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 106      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 108      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 110      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 112      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 114      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 116      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 118      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 120      |              |                      |           |    |    |   |                        |                        |  | 120cm: pebble   |         |
| 122      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 124      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 126      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 128      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 130      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 132      |              |                      |           |    |    | 2 |                        |                        |  |   |         |
| 134      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 136      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 138      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 140      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 142      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 144      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 146      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 148      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 150      |              |                      |           |    |    |   |                        |                        |  |   |         |
| 152      | 151          |                      |           |    |    |   |                        |                        |  |   |         |

CM Scale

SS

None

0- burrows

118  
119

↑ 142  
↓ 146

0-42cm: very pale brown diatom ooze, heavily bioturbated

42-118cm: brown massive diatom-ooze, moderately bioturbated

SS 65cm: diatom ooze

79-82cm: granodiorite clast Ø 3cm (long axis), subangular

118-119cm: black mottles

118-151cm: color banded light yellowish brown and pale brown clay, moderately bioturbated

120cm: pebble

| CM Scale | SS+TS Sample | Drilling Disturbance | Lithology |    |    |   | Bioturbation Index 0-4 | Sedimentary Structures | Pebble Counts >4mm less than #10 | Logged By: | Date:   |
|----------|--------------|----------------------|-----------|----|----|---|------------------------|------------------------|----------------------------------|------------|---------|
|          |              |                      | C         | ST | SD | G |                        |                        |                                  | SP         | 2/26/19 |
| 0        |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 2        |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 4        |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 6        |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 8        |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 10       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 12       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 14       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 16       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 18       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 20       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 22       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 24       |              |                      |           |    |    | 2 |                        |                        |                                  |            |         |
| 26       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 28       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 30       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 32       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 34       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 36       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 38       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 40       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 42       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 44       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 46       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 48       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 50       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 52       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 54       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 56       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 58       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 60       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 62       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 64       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 66       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 68       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 70       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 72       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 74       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 76       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 78       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 80       |              | none                 |           |    |    |   |                        |                        |                                  |            |         |
| 82       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 84       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 86       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 88       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 90       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 92       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 94       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 96       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 98       |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 100      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 102      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 104      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 106      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 108      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 110      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 112      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 114      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 116      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 118      |              |                      |           |    |    | 3 |                        |                        |                                  |            |         |
| 120      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 122      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 124      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 126      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 128      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 130      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 132      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 134      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 136      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 138      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 140      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 142      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 144      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 146      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 148      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 150      |              |                      |           |    |    |   |                        |                        |                                  |            |         |
| 152      |              |                      |           |    |    |   |                        |                        |                                  |            |         |

0-47cm: light yellowish brown clay, moderately bioturbated

27-33cm: black mottles

47-94cm: pale brown clay, heavily bioturbated

61-67cm: black mottles

94-145cm: brown silty clay completely bioturbated?

28<sup>27</sup>  
33

50<sup>61</sup>  
67

IW

145

| CM Scale | SS+TS Sample | Drilling Disturbance | Lithology<br>C ST SD G | Bioturbation Index 0-4 | Sedimentary Structures | Pebble Counts<br>>4mm<br>less than #10 | Logged By:   | Date:   |
|----------|--------------|----------------------|------------------------|------------------------|------------------------|--|--|---------|
|          |              |                      |                        |                        |                        |  | SP   | 2/26/19 |
| Comments |              |                      |                        |                        |                        |  |  |         |
| 0-24     |              |                      |                        | 4                      |                        | ∅                                      | 0-24 cm: pale brown silty clay   |         |
| 24-31    |              |                      |                        | 2                      | ↑<br>↓                 |  | 24-31 cm: crude horizontal planar lamination; silt interlaminated with clay ~5mm thick silt laminae closely spaced                     |         |
| 31-69    |              |                      |                        | 3                      |                        |  | 31-138 cm: light brown to light yellowish brown color-banded silty clay, mod. to heavy bioturbated color banding at the cm to dm scale |         |
| 69-82    |              |                      | light brown            | 2                      | ↑                      |  |  |         |
| 82-101   |              |                      |                        | 2                      | ↑                      |  | 82-138 cm: black mottles   |         |
| 101-102  |              |                      |                        |                        |                        | 1                                      | 101 cm: pebble   |         |
| 102-103  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 103-104  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 104-105  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 105-106  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 106-107  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 107-108  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 108-109  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 109-110  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 110-111  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 111-112  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 112-113  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 113-114  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 114-115  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 115-116  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 116-117  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 117-118  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 118-119  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 119-120  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 120-121  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 121-122  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 122-123  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 123-124  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 124-125  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 125-126  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 126-127  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 127-128  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 128-129  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 129-130  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 130-131  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 131-132  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 132-133  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 133-134  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 134-135  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 135-136  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 136-137  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 137-138  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 138-139  | 138          |                      |                        |                        |                        | ∅                                      | 133 cm: small pebble   |         |
| 139-140  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 140-141  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 141-142  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 142-143  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 143-144  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 144-145  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 145-146  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 146-147  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 147-148  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 148-149  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 149-150  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 150-151  |              |                      |                        |                        |                        | ∅                                      |  |         |
| 151-152  |              |                      |                        |                        |                        | ∅                                      |  |         |

| CM Scale | SS+TS Sample | Drilling Disturbance | Lithology |    |    |   | Bioturbation Index 0 - 4 | Sedimentary Structures | Pebble Counts >4mm less than #10 | Logged By:   | Date: |  |
|----------|--------------|----------------------|-----------|----|----|---|--------------------------|------------------------|----------------------------------|--|-------|--|
|          |              |                      | C         | ST | SD | G |                          |                        |                                  | SP   | 2/2   |  |
| 0        | SS           | none                 |           |    |    |   | 0                        |                        |                                  | <p>0-33 cm: very pale brown silty clay, massive, dispersed granules (22 cm)</p> <p>SS15: 85% terr, diatom-bearing mud (silty clay)</p> <p>33-58 cm: pale brown diatom ooze, black mottles throughout, heavily bioturbated</p> <p>SS57: diatom ooze</p> |       |  |
| 2        |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 4        |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 6        |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 8        |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 10       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 12       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 14       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 16       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 18       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 20       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 22       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 24       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 26       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 28       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 30       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 32       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 34       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 36       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 38       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 40       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 42       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 44       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 46       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 48       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 50       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 52       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 54       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 56       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 58       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 60       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 62       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 64       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 66       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 68       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 70       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 72       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 74       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 76       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 78       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 80       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 82       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 84       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 86       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 88       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 90       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 92       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 94       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 96       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 98       |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 100      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 102      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 104      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 106      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 108      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 110      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 112      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 114      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 116      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 118      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 120      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 122      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 124      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 126      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 128      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 130      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 132      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 134      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 136      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 138      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 140      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 142      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 144      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 146      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 148      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 150      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |
| 152      |              |                      |           |    |    |   |                          |                        |                                  |  |       |  |

| CM Scale | SS+TS Sample | Drilling Disturbance             | Lithology |    |    |   | Bioturbation Index 0 - 4 | Sedimentary Structures | Pebble Counts<br>>4mm<br>less than #10        | Logged By: | Date:   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------|--------------|----------------------------------|-----------|----|----|---|--------------------------|------------------------|---|------------|---------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|          |              |                                  | C         | ST | SD | G |                          |                        |   | SP         | 2/26/19 |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0        | 11           | [Handwritten disturbance symbol] |           |    |    |   | X                        | ↑ 0<br>○○<br>↓ "       | 0-11 cm: pale brown diatom ooze, dark mottles |            |         |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 2        |              |                                  |           |    |    |   |                          |                        |   |            |         | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 118 | 120 | 122 | 124 | 126 | 128 | 130 |

PAL