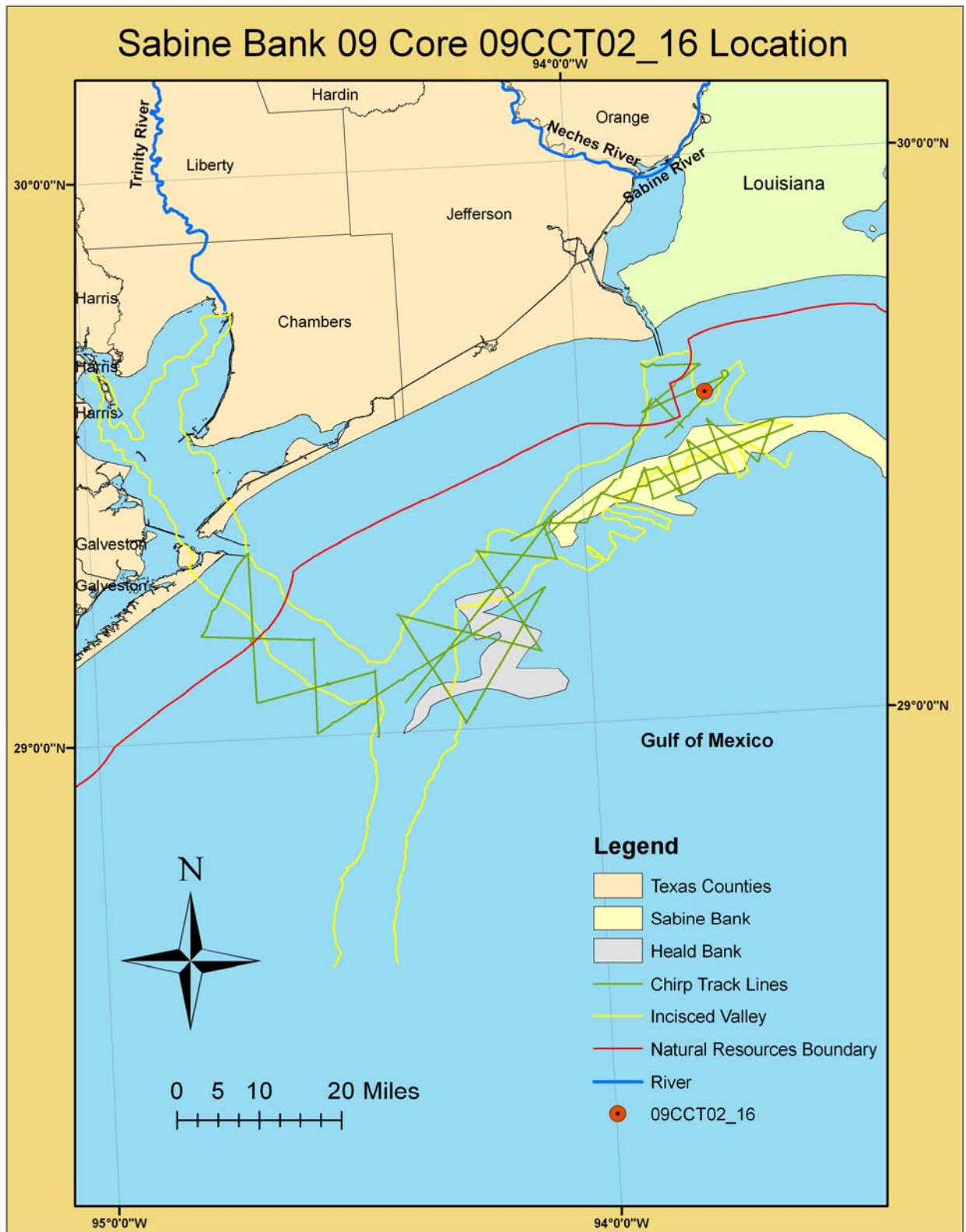


09CCT02\_16 Core Location

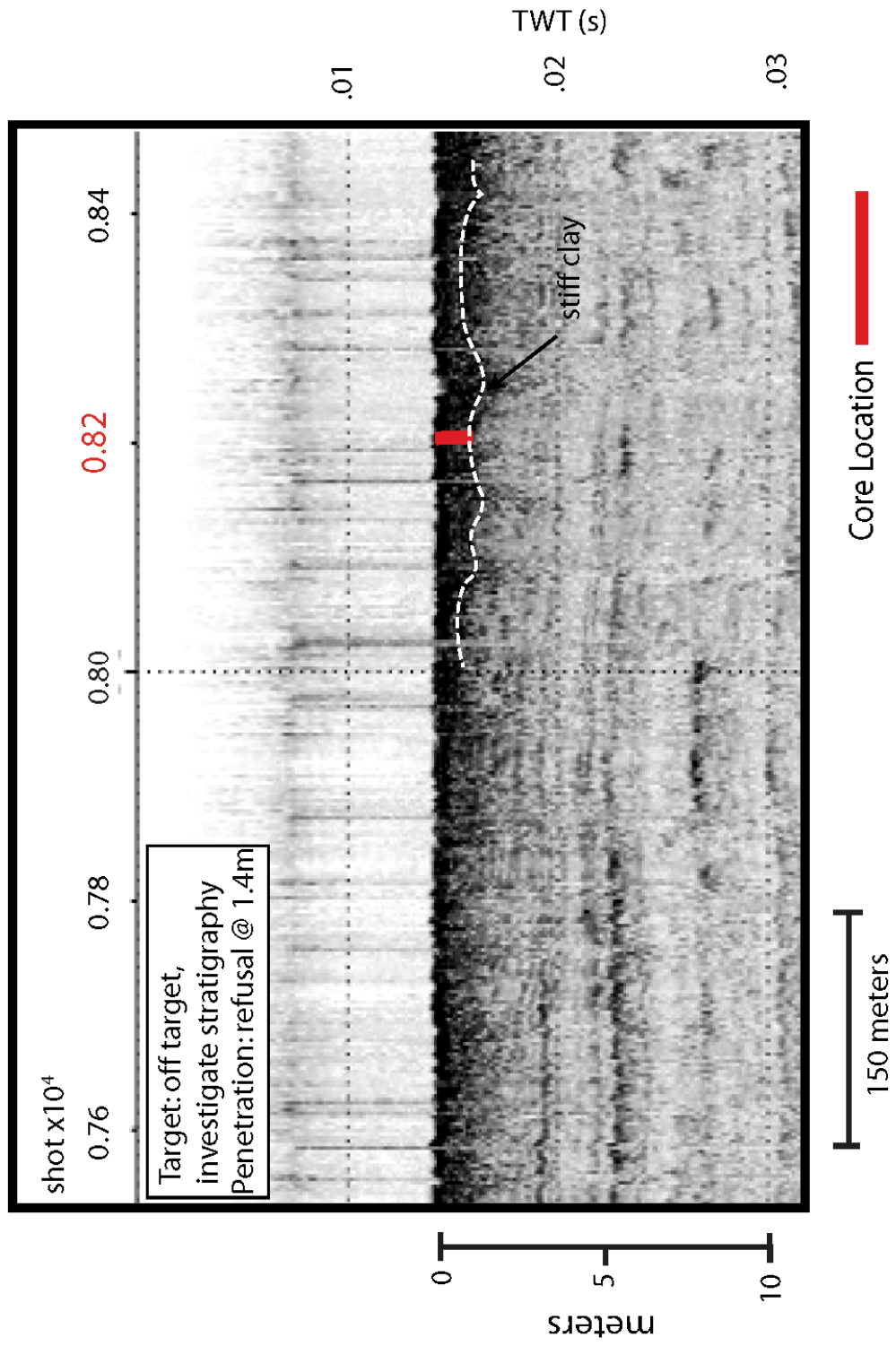


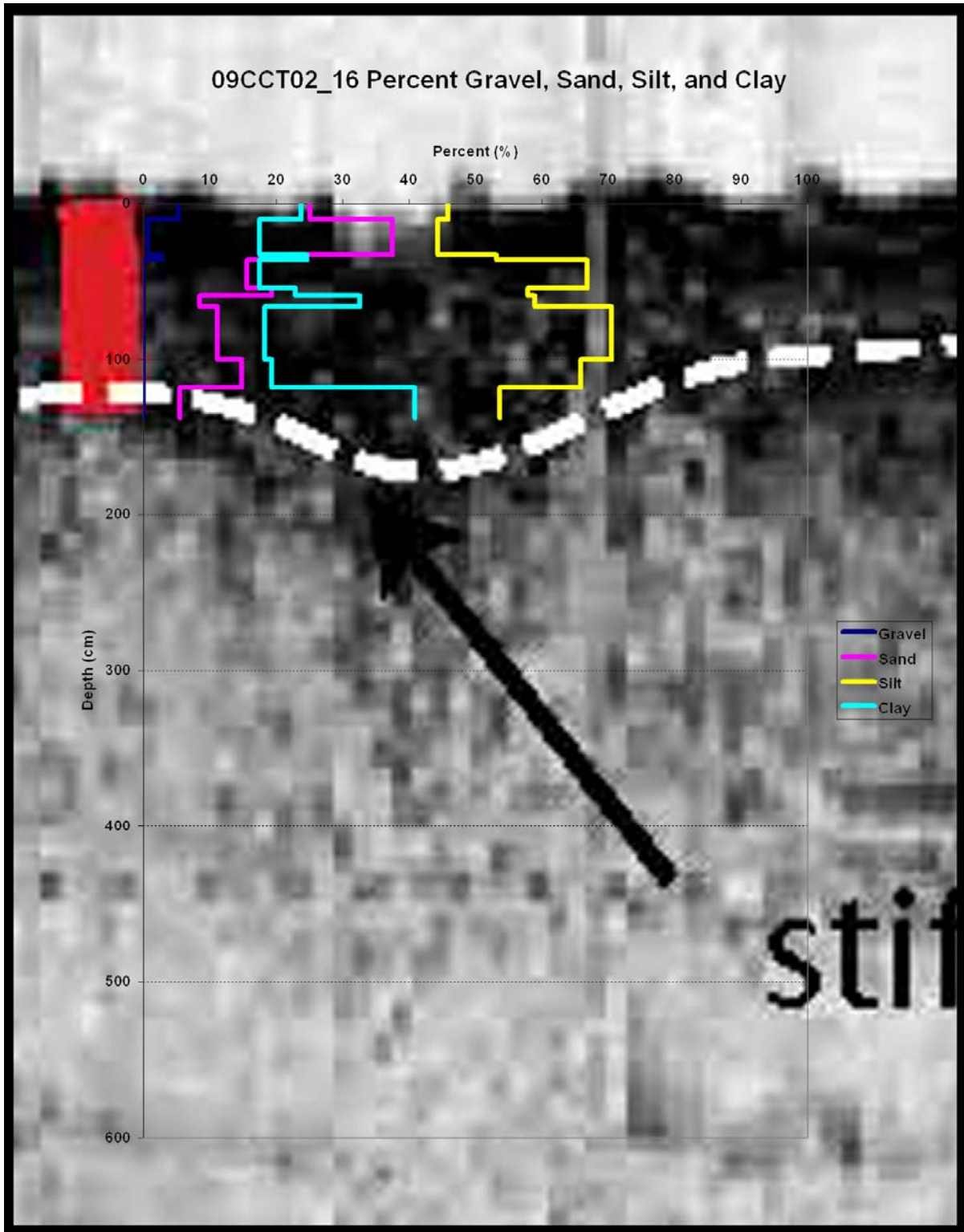
# Project: 09CCT02

Transect: 09C06

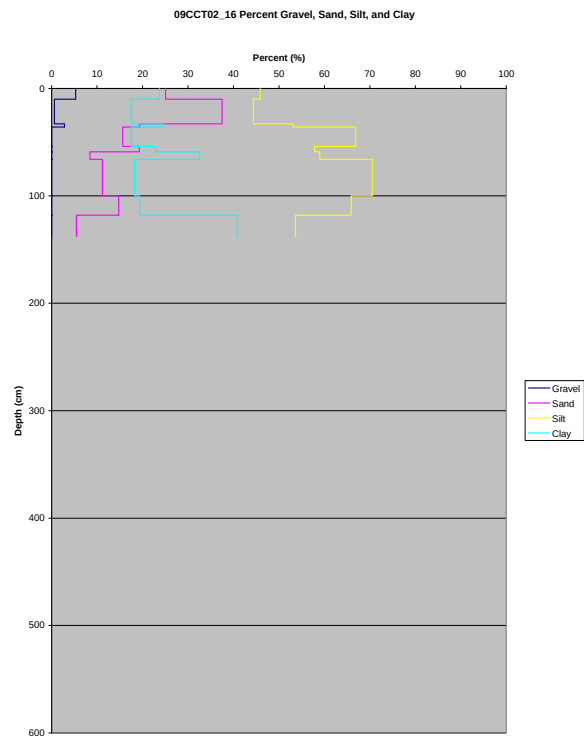
Core: 09CCT02\_16

Core Length (m) : 1.38

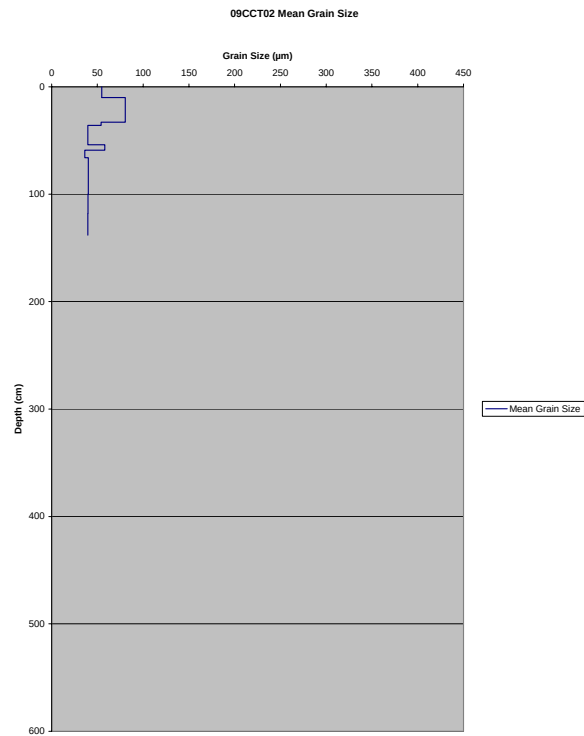




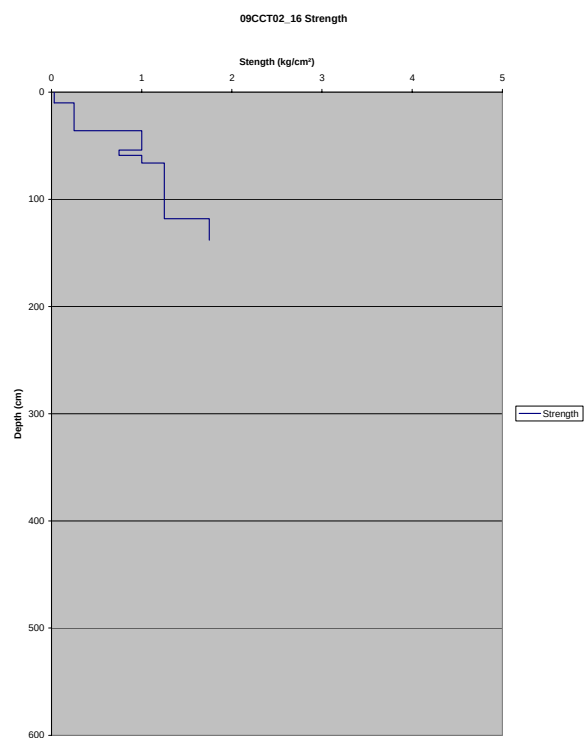
09CCT02\_16 Percent Grain Size Distribution Graph



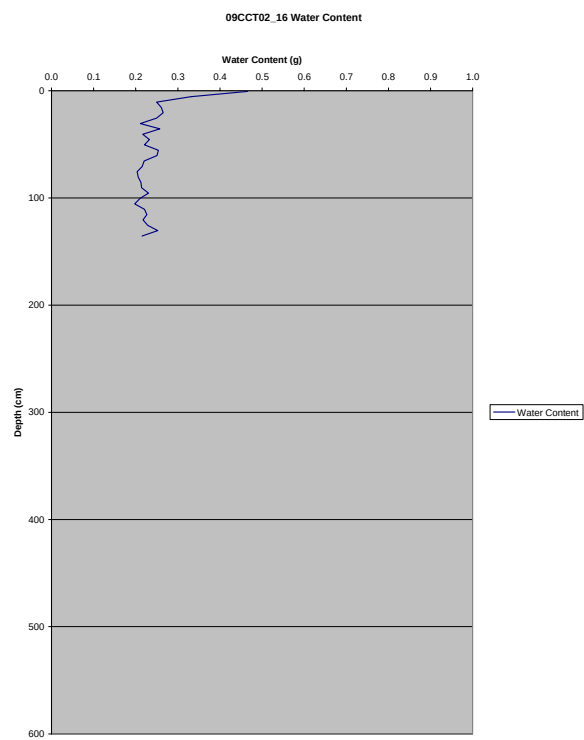
09CCT02\_16 Mean Grain Size Distribution



09CCT02\_16 Strength Graph



09CCT02\_16 Water Content Graph



09CCT02\_16 Grain Size Sand Percent Table

| 09CCT02_16 Grain Size Sand Percent |                         |                          |                          |                          |                           |                            |                            |                            |                            |                            |           |
|------------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------|
| Depth (cm)                         | 63-<br>257<br>µm<br>(%) | 257-<br>451<br>µm<br>(%) | 451-<br>645<br>µm<br>(%) | 645-<br>839<br>µm<br>(%) | 839-<br>1033<br>µm<br>(%) | 1033-<br>1227<br>µm<br>(%) | 1227-<br>1421<br>µm<br>(%) | 1421-<br>1615<br>µm<br>(%) | 1615-<br>1809<br>µm<br>(%) | 1809-<br>2000<br>µm<br>(%) | Total (%) |
| 5-10                               | 90.61                   | 3.27                     | 2.19                     | 1.54                     | 0.99                      | 0.64                       | 0.40                       | 0.21                       | 0.09                       | 0.05                       | 100       |
| 20-25                              | 85.55                   | 10.67                    | 1.11                     | 0.47                     | 0.55                      | 0.55                       | 0.46                       | 0.33                       | 0.20                       | 0.11                       | 100       |
| 33-35                              | 87.32                   | 2.92                     | 1.48                     | 1.81                     | 1.91                      | 1.67                       | 1.26                       | 0.88                       | 0.47                       | 0.28                       | 100       |
| 45-50                              | 91.65                   | 3.85                     | 1.58                     | 1.09                     | 0.82                      | 0.62                       | 0.35                       | 0.04                       | 0.00                       | 0.00                       | 100       |
| 55-59                              | 81.35                   | 7.40                     | 2.23                     | 2.11                     | 2.10                      | 1.79                       | 1.33                       | 0.92                       | 0.49                       | 0.29                       | 100       |
| 60-65                              | 71.46                   | 5.85                     | 6.00                     | 5.82                     | 4.46                      | 2.95                       | 1.79                       | 0.94                       | 0.51                       | 0.21                       | 100       |
| 70-75                              | 86.30                   | 3.04                     | 2.15                     | 2.18                     | 2.07                      | 1.68                       | 1.21                       | 0.73                       | 0.43                       | 0.21                       | 100       |
| 110-115                            | 93.25                   | 1.16                     | 1.05                     | 0.98                     | 0.94                      | 0.87                       | 0.72                       | 0.52                       | 0.33                       | 0.18                       | 100       |
| 130-135                            | 47.35                   | 4.19                     | 6.16                     | 9.71                     | 10.26                     | 8.60                       | 6.19                       | 4.14                       | 2.15                       | 1.26                       | 100       |

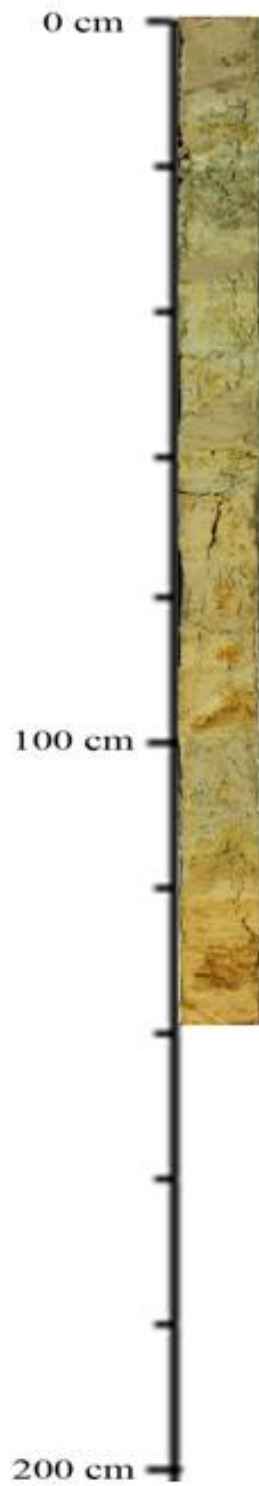
| 09CCT02-16 |                    |                     |                      |                      |                      |                      |                      |                      |                      |                      |              |
|------------|--------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|
| Depth (cm) | 63-<br>82µm<br>(%) | 82-<br>101µm<br>(%) | 101-<br>120µm<br>(%) | 120-<br>139µm<br>(%) | 139-<br>158µm<br>(%) | 158-<br>177µm<br>(%) | 177-<br>196µm<br>(%) | 196-<br>215µm<br>(%) | 215-<br>234µm<br>(%) | 234-<br>257µm<br>(%) | Total<br>(%) |
| 5-10       | 1.02               | 1.24                | 1.82                 | 2.75                 | 4.22                 | 6.54                 | 10.16                | 15.62                | 33.22                | 23.40                | 100          |
| 20-25      | 4.27               | 4.45                | 5.46                 | 6.66                 | 8.09                 | 9.74                 | 11.66                | 13.86                | 19.43                | 16.38                | 100          |
| 33-35      | 1.26               | 1.50                | 2.14                 | 3.09                 | 4.55                 | 6.75                 | 10.11                | 15.15                | 32.92                | 22.52                | 100          |
| 45-50      | 1.19               | 1.31                | 1.73                 | 2.40                 | 3.44                 | 5.17                 | 8.14                 | 13.36                | 40.46                | 22.80                | 100          |
| 55-59      | 2.81               | 2.96                | 3.69                 | 4.66                 | 5.95                 | 7.70                 | 10.20                | 13.87                | 28.69                | 19.47                | 100          |
| 60-65      | 1.73               | 1.86                | 2.42                 | 3.27                 | 4.50                 | 6.34                 | 9.20                 | 13.78                | 35.50                | 21.41                | 100          |
| 70-75      | 0.62               | 0.62                | 0.79                 | 1.13                 | 1.80                 | 3.20                 | 6.05                 | 11.87                | 49.96                | 23.96                | 100          |
| 110-115    | 0.73               | 0.97                | 1.52                 | 2.41                 | 3.81                 | 5.99                 | 9.40                 | 14.67                | 37.46                | 23.04                | 100          |
| 130-135    | 2.92               | 3.04                | 3.77                 | 4.66                 | 5.81                 | 7.35                 | 9.58                 | 12.97                | 31.13                | 18.78                | 100          |

# 09CCT02\_16 Tables

| Mean Grain Size 09CCT02-16 |                      |
|----------------------------|----------------------|
| Depth (cm)                 | Mean Grain Size (μm) |
| 5-10                       | 54.70                |
| 20-25                      | 80.49                |
| 33-35                      | 54.10                |
| 45-50                      | 39.70                |
| 55-59                      | 58.27                |
| 60-65                      | 36.27                |
| 70-75                      | 40.20                |
| 110-115                    | 39.87                |
| 130-135                    | 39.58                |

| Strength 09CCT02-16 |                                |
|---------------------|--------------------------------|
| Interval (cm)       | Strength (kg/cm <sup>2</sup> ) |
| 0-10                | 0.0313                         |
| 10-33               | 0.2500                         |
| 33-36               | 0.2500                         |
| 36-54               | 1.0000                         |
| 54-59               | 0.7500                         |
| 59-66               | 1.0000                         |
| 66-100              | 1.2500                         |
| 100-118             | 1.2500                         |
| 118-138             | 1.7500                         |

09CCT02\_16 Core Pictures





## 09CCT02\_16 Core Log

Core#: 09CCT02-16

Core Date: 17-Jun-09

|                       |               |
|-----------------------|---------------|
| Date Split/subsampled | Length: 158cm |
| 08-Jul-09             | E: 428081     |
|                       | N: 3272237    |

| Grain Size Samples: | Munsell Soil Color | Depths Sampled | Description:                          |
|---------------------|--------------------|----------------|---------------------------------------|
| 0-5                 | 0-10 cm            |                | 0-10cm Dark grey soft silty clay      |
| 5-10                | Grey 2             |                |                                       |
| 10-15               | 3/N                |                | 10-33cm light green hard              |
| 15-20               | 10-33 cm           |                | crumbly clay w/oxidation spots        |
| 20-25               | Grey 2             |                |                                       |
| 25-30               | 5/5G               |                | 33-36cm Dark grey soft                |
| 30-33               | 33-36 cm           |                | sandy clay                            |
| 33-36               | Grey 2             |                | 36-51cm light green hard crumbly      |
| 36-40               | 4/5R               |                | clay w/ layers and spots of oxidation |
| 40-45               | 36-51 cm           |                |                                       |
| 45-50               | Grey 1             |                | 51-59cm Dark grey soft                |
| 50-54               | 2/5G               |                | sandy silt w/ deposits                |
| 54-58               | 5/10G              |                | of beige clay                         |
| 58-62               | 59-66 cm           |                | 59-66cm light green hard              |
| 62-66               | Grey 2             |                | crumbly clay w/oxidation spots        |
| 66-70               | 5/5G               |                | 66-100cm Beige hard clay w/ layers    |
| 70-75               | 66-100 cm          |                | and spots of oxidation                |
| 75-80               | Grey 1             |                | 100-118cm light grey hard crumbly     |
| 80-85               | 6/3                |                | clay w/oxidation spots                |
| 85-90               | 100-118 cm         |                | 118-138cm Oxidized red hard           |
| 90-95               | 7.5YR              |                | crumbly clay                          |
| 95-100              | 6/5G               |                |                                       |
| 100-105             | 118-138 cm         |                |                                       |
| 105-110             | 7.5YR              |                |                                       |
| 110-115             | 5/6                |                |                                       |
| 115-120             |                    |                |                                       |
| 120-125             |                    |                |                                       |
| 125-130             |                    |                |                                       |
| 130-135             |                    |                |                                       |
| 135-138             |                    |                |                                       |