

Impact Water Quality Monitoring for Dredging Activities at ESC CMP Vd

| Sampling Date | Tide | Station | Time | Depth | Depth (m) | Current Direction | Current Velocity (m/s) | Water Temp (°C) | Salinity (ppt) | D.O. Saturation (%) | D.O. (mg/L) | Turbidity (NTU) | pH | SS (mg/L) |
|---------------|------|---------|-------|-------|-----------|-------------------|------------------------|-----------------|----------------|---------------------|-------------|-----------------|------|-----------|
| 2017/09/20 | ME | MW1 | 11:55 | B | 19 | 225.7 | 0.44 | 28.56 | 28.03 | 70.4 | 4.67 | 7.7 | 7.86 | 7.60 |
| 2017/09/20 | ME | MW1 | 11:56 | M | 10.5 | 341.2 | 0.14 | 28.54 | 28.06 | 69.7 | 4.63 | 7.5 | 7.88 | 6.90 |
| 2017/09/20 | ME | MW1 | 11:57 | T | 0.8 | 94.7 | 0.99 | 29.2 | 25.1 | 75.8 | 5.06 | 5.8 | 7.91 | 5.60 |
| 2017/09/20 | ME | MW1 | 11:58 | B | 18.8 | 127.9 | 0.41 | 28.56 | 27.99 | 69.3 | 4.6 | 7.9 | 7.91 | 7.60 |
| 2017/09/20 | ME | MW1 | 11:59 | M | 10.6 | 161.3 | 0.37 | 28.55 | 28.01 | 69.2 | 4.59 | 7.2 | 7.91 | 7.40 |
| 2017/09/20 | ME | MW1 | 12:00 | T | 1 | 89.6 | 1.03 | 29.12 | 25.36 | 75.6 | 5.04 | 5.9 | 7.92 | 6.00 |
| 2017/09/20 | ME | US2 | 13:30 | B | 7 | 88.3 | 1.38 | 29.16 | 23.76 | 76.3 | 5.13 | 37.8 | 7.93 | 24.50 |
| 2017/09/20 | ME | US2 | 13:31 | M | 4.3 | 202.5 | 0.43 | 29.38 | 22.27 | 72.9 | 4.93 | 12.3 | 7.9 | 15.30 |
| 2017/09/20 | ME | US2 | 13:31 | T | 1.1 | 152.7 | 1.44 | 29.77 | 20.5 | 75.7 | 5.13 | 5.9 | 7.84 | 5.30 |
| 2017/09/20 | ME | US2 | 13:32 | B | 7.1 | 73.6 | 0.6 | 29.15 | 23.81 | 72.1 | 4.85 | 45 | 7.93 | 22.60 |
| 2017/09/20 | ME | US2 | 13:33 | M | 4.3 | 117.2 | 0.51 | 29.45 | 21.68 | 71.8 | 4.86 | 12.9 | 7.88 | 15.40 |
| 2017/09/20 | ME | US2 | 13:33 | T | 0.8 | 166.9 | 1.08 | 29.85 | 20.47 | 75.4 | 5.11 | 5.7 | 7.83 | 5.60 |
| 2017/09/20 | ME | US1 | 13:44 | B | 8.1 | 131.4 | 0.24 | 29.2 | 23.59 | 72.2 | 4.86 | 64.7 | 7.92 | 26.90 |
| 2017/09/20 | ME | US1 | 13:44 | M | 4.7 | 120.8 | 1.36 | 29.45 | 21.72 | 72.3 | 4.89 | 15.9 | 7.87 | 9.90 |
| 2017/09/20 | ME | US1 | 13:45 | T | 1.1 | 120.9 | 0.68 | 29.95 | 20.67 | 75.9 | 5.13 | 6.1 | 7.84 | 8.20 |
| 2017/09/20 | ME | US1 | 13:46 | B | 7.8 | 123 | 1.27 | 29.17 | 23.67 | 71.6 | 4.82 | 57.8 | 7.92 | 27.30 |
| 2017/09/20 | ME | US1 | 13:47 | M | 5 | 98.4 | 0.81 | 29.38 | 22.2 | 71.7 | 4.85 | 15.9 | 7.88 | 9.50 |
| 2017/09/20 | ME | US1 | 13:48 | T | 1.1 | 162.6 | 1.11 | 29.78 | 20.92 | 75.4 | 5.1 | 6.3 | 7.84 | 7.70 |
| 2017/09/20 | ME | DS1 | 13:56 | B | 9.1 | 126.3 | 0.38 | 29.22 | 23.89 | 72.3 | 4.85 | 41.8 | 7.93 | 20.00 |
| 2017/09/20 | ME | DS1 | 13:57 | M | 5.3 | 65.6 | 0.5 | 29.27 | 23.19 | 72.1 | 4.86 | 37 | 7.91 | 21.40 |
| 2017/09/20 | ME | DS1 | 13:58 | T | 1 | 183 | 0.21 | 29.94 | 20.8 | 74.9 | 5.06 | 8.9 | 7.83 | 15.80 |
| 2017/09/20 | ME | DS1 | 13:58 | B | 8.8 | 54.5 | 0.78 | 29.25 | 23.64 | 72.2 | 4.85 | 37.5 | 7.92 | 20.80 |
| 2017/09/20 | ME | DS1 | 13:59 | M | 5.6 | 47.4 | 0.28 | 29.27 | 23.22 | 72.1 | 4.86 | 34.7 | 7.91 | 20.40 |
| 2017/09/20 | ME | DS1 | 14:00 | T | 0.8 | 123 | 1.36 | 29.88 | 20.88 | 74.9 | 5.06 | 7.7 | 7.84 | 16.50 |
| 2017/09/20 | ME | DS2 | 14:09 | B | 13.3 | 282.6 | 0.14 | 29.19 | 23.94 | 71.7 | 4.82 | 33.9 | 7.92 | 23.00 |
| 2017/09/20 | ME | DS2 | 14:10 | M | 7.5 | 135.1 | 1.25 | 29.3 | 22.96 | 71.9 | 4.85 | 33.3 | 7.9 | 16.80 |
| 2017/09/20 | ME | DS2 | 14:11 | T | 0.8 | 107.1 | 1.04 | 29.89 | 21.05 | 75 | 5.06 | 7.9 | 7.84 | 6.70 |
| 2017/09/20 | ME | DS2 | 14:18 | B | 13.2 | 65.8 | 0.47 | 29.23 | 23.69 | 71.8 | 4.83 | 30.2 | 7.92 | 22.20 |
| 2017/09/20 | ME | DS2 | 14:18 | M | 7.6 | 46.7 | 0.64 | 29.32 | 22.81 | 71.9 | 4.85 | 28.4 | 7.9 | 16.80 |
| 2017/09/20 | ME | DS2 | 14:19 | T | 0.9 | 102.4 | 0.94 | 29.71 | 21.51 | 73.4 | 4.95 | 9.2 | 7.85 | 6.50 |
| 2017/09/20 | ME | DS3 | 14:27 | B | 9.1 | 89.7 | 0.66 | 29.28 | 23.3 | 74.4 | 5.01 | 30.4 | 7.92 | 10.30 |
| 2017/09/20 | ME | DS3 | 14:28 | M | 5.5 | 103.3 | 0.48 | 29.33 | 22.78 | 72.9 | 4.92 | 24.3 | 7.9 | 9.50 |
| 2017/09/20 | ME | DS3 | 14:28 | T | 1.2 | 120.7 | 0.79 | 29.8 | 21.83 | 74.3 | 5 | 11.1 | 7.85 | 19.40 |
| 2017/09/20 | ME | DS3 | 14:31 | B | 9.1 | 78.9 | 0.42 | 29.27 | 23.35 | 71.7 | 4.82 | 33.4 | 7.91 | 11.00 |
| 2017/09/20 | ME | DS3 | 14:32 | M | 5.3 | 123.1 | 1.45 | 29.33 | 22.86 | 71.8 | 4.84 | 25 | 7.89 | 8.90 |
| 2017/09/20 | ME | DS3 | 14:33 | T | 1.1 | 80.7 | 1.24 | 29.86 | 21.95 | 73.1 | 4.91 | 11.5 | 7.84 | 22.10 |
| 2017/09/20 | ME | DS4 | 14:43 | B | 20 | 16.5 | 0.24 | 28.68 | 27.17 | 67.9 | 4.52 | 26.4 | 7.94 | 22.10 |
| 2017/09/20 | ME | DS4 | 14:44 | M | 11 | 297.2 | 0.16 | 29.3 | 23.22 | 71.1 | 4.79 | 29.9 | 7.91 | 18.50 |
| 2017/09/20 | ME | DS4 | 14:44 | T | 1 | 97.1 | 1.21 | 29.76 | 22.07 | 72.2 | 4.85 | 12.9 | 7.85 | 10.20 |
| 2017/09/20 | ME | DS4 | 14:48 | B | 20.3 | 242.8 | 0.39 | 28.6 | 27.44 | 67.8 | 4.51 | 27 | 7.94 | 21.80 |
| 2017/09/20 | ME | DS4 | 14:49 | M | 11 | 28.8 | 0.38 | 29.32 | 22.98 | 71 | 4.78 | 28.1 | 7.91 | 18.30 |
| 2017/09/20 | ME | DS4 | 14:50 | T | 1.1 | 99.3 | 1.25 | 29.84 | 22.03 | 72.1 | 4.84 | 14.9 | 7.85 | 9.70 |
| 2017/09/20 | ME | DS5 | 14:55 | B | 7.8 | 57.4 | 0.8 | 29.42 | 22.61 | 74.8 | 5.04 | 20.2 | 7.89 | 20.20 |
| 2017/09/20 | ME | DS5 | 14:56 | M | 4.9 | 128.7 | 1.31 | 29.44 | 22.59 | 72.7 | 4.9 | 20.4 | 7.89 | 24.40 |
| 2017/09/20 | MF | DS1 | 18:06 | B | 6.8 | 200.4 | 0.3 | 29.38 | 22.27 | 70 | 4.73 | 14.8 | 7.83 | 11.50 |
| 2017/09/20 | MF | DS1 | 18:07 | M | 4.6 | 293.4 | 1.04 | 29.47 | 21.82 | 69.6 | 4.71 | 13.9 | 7.82 | 15.70 |
| 2017/09/20 | MF | DS1 | 18:07 | T | 0.9 | 278.5 | 0.78 | 29.69 | 20.78 | 70.7 | 4.79 | 10.9 | 7.79 | 10.00 |
| 2017/09/20 | MF | DS1 | 18:08 | B | 7.1 | 272.9 | 0.35 | 29.38 | 22.32 | 68.9 | 4.65 | 14.5 | 7.83 | 12.20 |
| 2017/09/20 | MF | DS1 | 18:09 | M | 4.5 | 249.7 | 0.5 | 29.41 | 22.13 | 69.1 | 4.67 | 14.5 | 7.83 | 15.80 |
| 2017/09/20 | MF | DS1 | 18:10 | T | 1 | 295.4 | 0.68 | 29.72 | 20.64 | 70.5 | 4.78 | 11.1 | 7.78 | 10.40 |
| 2017/09/20 | MF | DS2 | 18:15 | B | 5.9 | 303.4 | 0.12 | 29.52 | 21.79 | 73.9 | 5 | 15.7 | 7.82 | 18.70 |
| 2017/09/20 | MF | DS2 | 18:16 | M | 4 | 265 | 0.38 | 29.67 | 20.87 | 71.1 | 4.82 | 11.6 | 7.79 | 12.20 |
| 2017/09/20 | MF | DS2 | 18:16 | T | 1 | 296.3 | 0.19 | 29.93 | 19.5 | 71.8 | 4.88 | 10 | 7.75 | 16.80 |
| 2017/09/20 | MF | DS2 | 18:17 | B | 5.9 | 284.1 | 0.57 | 29.54 | 21.64 | 69.4 | 4.69 | 14.3 | 7.81 | 18.10 |
| 2017/09/20 | MF | DS2 | 18:18 | M | 4 | 293.3 | 0.76 | 29.79 | 20.3 | 70.9 | 4.81 | 10.5 | 7.78 | 12.50 |
| 2017/09/20 | MF | DS2 | 18:19 | T | 1 | 339.5 | 0.41 | 29.95 | 19.3 | 72 | 4.9 | 9.4 | 7.75 | 16.40 |
| 2017/09/20 | MF | DS3 | 18:23 | B | 6.1 | 294.5 | 0.28 | 29.57 | 21.43 | 72.6 | 4.91 | 19.3 | 7.81 | 13.20 |
| 2017/09/20 | MF | DS3 | 18:24 | M | 4.1 | 32.9 | 0.06 | 29.7 | 20.82 | 70.7 | 4.79 | 13.2 | 7.79 | 13.50 |

