

Annex G3

Monitoring Results for Water Quality

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|------|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | |
| 01-01-20 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 15:59 | 8.2 | Surface | 1.0 | 1 | 20.0 | 7.9 | 32.4 | 7.5 | 99.6 | 2.5 | 12.4 | 7.5 | 4.4 | 10.7 | | | |
| | | | | | | | | | 2 | 20.0 | 7.9 | 32.4 | 7.5 | 99.5 | 2.6 | 12.0 | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 20.0 | 7.9 | 32.7 | 7.5 | 99.7 | 3.9 | 10.9 | | | | | | |
| | | | | | | | | | 2 | 20.0 | 7.9 | 32.7 | 7.5 | 99.6 | 3.9 | 10.2 | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 20.1 | 7.9 | 33.7 | 7.4 | 99.4 | 7.0 | 9.4 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.9 | 33.7 | 7.4 | 99.3 | 6.5 | 9.2 | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 17:55 | 13.1 | Surface | 1.0 | 1 | 20.2 | 7.9 | 32.6 | 6.7 | 89.8 | 1.2 | 7.0 | 6.7 | 2.0 | 10.2 | | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 32.6 | 6.7 | 89.8 | 1.2 | 7.5 | | | | | | |
| | | | | | | | Middle | 6.6 | 1 | 20.3 | 7.9 | 33.0 | 6.6 | 88.2 | 2.0 | 10.6 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 33.0 | 6.6 | 88.5 | 2.1 | 11.0 | | | | | | |
| | | | | | | | Bottom | 12.1 | 1 | 20.3 | 7.9 | 33.2 | 6.6 | 88.8 | 2.8 | 12.9 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 33.2 | 6.6 | 89.0 | 2.8 | 12.0 | | | | | | |
| | | TCE-WQM1 | Cloudy | Moderate | 16:40 | 8.4 | Surface | 1.0 | 1 | 20.1 | 7.9 | 32.3 | 7.2 | 95.3 | 3.5 | 9.8 | 7.1 | 3.7 | 10.4 | | | |
| | | | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.1 | 95.2 | 3.6 | 10.4 | | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 20.1 | 7.9 | 32.3 | 7.1 | 94.7 | 3.7 | 10.2 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.1 | 94.8 | 3.8 | 10.2 | | | | | | |
| | | | | | | | Bottom | 7.4 | 1 | 20.1 | 7.9 | 32.3 | 7.2 | 95.7 | 3.9 | 10.8 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.2 | 95.7 | 3.9 | 10.7 | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 17:17 | 7.2 | Surface | 1.0 | 1 | 20.3 | 7.9 | 32.2 | 7.1 | 95.1 | 2.0 | 13.7 | 7.1 | 2.2 | 10.5 | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.2 | 7.1 | 95.1 | 2.0 | 13.0 | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 20.3 | 7.9 | 32.2 | 7.1 | 94.5 | 2.1 | 9.8 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.2 | 7.1 | 94.6 | 2.1 | 9.4 | | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 20.3 | 7.9 | 32.2 | 7.0 | 94.1 | 2.4 | 8.6 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.2 | 7.1 | 94.2 | 2.4 | 8.5 | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 17:29 | 11.0 | Surface | 1.0 | 1 | 20.3 | 7.9 | 32.2 | 7.0 | 92.8 | 1.0 | 5.8 | 6.8 | 1.8 | 6.6 | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.2 | 6.9 | 92.8 | 1.1 | 6.1 | | | | | | |
| | | | | | | | Middle | 5.5 | 1 | 20.3 | 7.9 | 32.4 | 6.7 | 90.0 | 1.5 | 6.2 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.4 | 6.7 | 89.9 | 1.7 | 6.6 | | | | | | |
| | | | | | | | Bottom | 10.0 | 1 | 20.3 | 7.9 | 32.8 | 6.7 | 89.2 | 2.6 | 7.3 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.8 | 6.7 | 89.3 | 2.6 | 7.5 | | | | | | |
| | | TCE-WQM3A | Cloudy | Calm | 17:06 | 4.0 | Surface | 1.0 | 1 | 20.3 | 7.9 | 32.2 | 7.2 | 96.1 | 1.9 | 6.7 | 7.2 | 2.2 | 7.8 | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.2 | 7.2 | 96.2 | 1.9 | 6.4 | | | | | | |
| | | | | | | | Bottom | 3.0 | 1 | 20.2 | 7.9 | 32.2 | 7.2 | 95.5 | 2.6 | 8.8 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 32.2 | 7.2 | 96.0 | 2.5 | 9.2 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.4 | 7.9 | 32.3 | 7.3 | 97.2 | 1.8 | 5.5 | | | | 7.3 | 2.2 | 8.8 |
| | | | | | | | | | 2 | 20.4 | 7.9 | 32.3 | 7.3 | 97.1 | 1.8 | 7.7 | | | | | | |
| | | Middle | 2.7 | 1 | 20.4 | 7.8 | 32.3 | 7.3 | 97.8 | 2.6 | 9.9 | | | | | | | | | | | |
| | | | | 2 | 20.4 | 7.8 | 32.3 | 7.3 | 97.7 | 2.6 | 9.1 | | | | | | | | | | | |
| | | Bottom | 1.0 | 1 | 20.0 | 8.0 | 32.8 | 7.4 | 97.9 | 5.9 | 13.9 | 7.3 | 7.8 | 12.7 | | | | | | | | |
| | | | | 2 | 20.0 | 8.0 | 32.8 | 7.3 | 97.7 | 6.3 | 13.4 | | | | | | | | | | | |
| | | Middle | 4.0 | 1 | 20.0 | 8.0 | 32.9 | 7.3 | 97.2 | 8.2 | 12.8 | | | | | | | | | | | |
| | | | | 2 | 20.0 | 8.0 | 32.9 | 7.3 | 97.3 | 8.2 | 12.9 | | | | | | | | | | | |
| | | Bottom | 7.0 | 1 | 20.0 | 8.0 | 32.9 | 7.3 | 97.3 | 9.1 | 11.8 | | | | | | | | | | | |
| | | | | 2 | 20.0 | 7.9 | 32.9 | 7.3 | 97.4 | 9.1 | 11.2 | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 11:05 | 12.9 | Surface | 1.0 | 1 | 20.3 | 7.9 | 32.4 | 6.9 | 92.0 | 1.5 | 12.0 | 7.0 | 2.7 | 10.3 | | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 32.4 | 7.0 | 92.1 | 1.6 | 12.3 | | | | | | |
| | | | | | | | Middle | 6.5 | 1 | 20.2 | 7.9 | 32.5 | 7.0 | 90.9 | 2.5 | 10.2 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 32.5 | 7.0 | 90.9 | 2.5 | 9.8 | | | | | | |
| Bottom | 11.9 | | | | | | 1 | 20.2 | 7.9 | 32.5 | 6.9 | 90.4 | 4.0 | 9.1 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 7.9 | 32.5 | 6.8 | 90.3 | 4.2 | 8.6 | | | | | | | | |
| TCE-WQM1 | Cloudy | Calm | 12:25 | 8.1 | Surface | 1.0 | 1 | 20.1 | 7.9 | 32.3 | 7.3 | 94.8 | 3.2 | 6.9 | 7.3 | 4.0 | 9.0 | | | | | |
| | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.3 | 95.0 | 3.3 | 7.2 | | | | | | | | |
| | | | | | Middle | 4.1 | 1 | 20.1 | 7.9 | 32.3 | 7.3 | 95.1 | 4.0 | 8.3 | | | | | | | | |
| | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.3 | 95.4 | 3.9 | 8.9 | | | | | | | | |
| | | | | | Bottom | 7.1 | 1 | 20.1 | 7.9 | 32.3 | 7.3 | 94.9 | 4.7 | 11.0 | | | | | | | | |
| | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.2 | 95.0 | 4.7 | 11.4 | | | | | | | | |
| TCE-WQM2a | Cloudy | Moderate | 11:47 | 7.1 | Surface | 1.0 | 1 | 20.2 | 7.9 | 32.1 | 7.1 | 94.2 | 1.6 | 13.6 | 7.1 | 2.9 | 10.9 | | | | | |
| | | | | | | | 2 | 20.2 | 7.9 | 32.1 | 7.1 | 94.2 | 1.6 | 12.8 | | | | | | | | |
| | | | | | Middle | 3.6 | 1 | 20.2 | 7.9 | 32.2 | 7.2 | 94.7 | 2.8 | 10.0 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 7.9 | 32.2 | 7.1 | 94.6 | 2.9 | 10.8 | | | | | | | | |
| | | | | | Bottom | 6.1 | 1 | 20.1 | 7.9 | 32.3 | 7.1 | 94.6 | 4.2 | 8.9 | | | | | | | | |
| | | | | | | | 2 | 20.1 | 7.9 | 32.3 | 7.2 | 94.7 | 4.2 | 9.5 | | | | | | | | |
| TCE-WQM2b | Cloudy | Moderate | 11:32 | 11.2 | Surface | 1.0 | 1 | 20.2 | 7.8 | 32.2 | 7.2 | 93.5 | 3.3 | 12.1 | 7.1 | 3.9 | 15.7 | | | | | |
| | | | | | | | 2 | 20.2 | 7.8 | 32.2 | 7.1 | 93.5 | 3.4 | 12.2 | | | | | | | | |
| | | | | | Middle | 5.6 | 1 | 20.2 | 7.8 | 32.2 | 7.0 | 93.3 | 3.6 | 14.7 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 7.8 | 32.2 | 7.1 | 93.3 | 3.6 | 15.4 | | | | | | | | |
| | | | | | Bottom | 10.2 | 1 | 20.2 | 7.8 | 32.2 | 7.1 | 93.2 | 4.6 | 19.5 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 7.8 | 32.2 | 7.0 | 93.2 | 4.7 | 20.4 | | | | | | | | |
| TCE-WQM3A | Cloudy | Calm | 12:02 | 4.1 | Surface | 1.0 | 1 | 20.1 | 7.9 | 32.2 | 7.2 | 93.8 | 3.6 | 10.5 | 7.1 | 4.4 | 10.6 | | | | | |
| | | | | | | | 2 | 20.1 | 7.9 | 32.2 | 7.1 | 93.8 | 3.7 | 10.1 | | | | | | | | |
| | | | | | Bottom | 3.1 | 1 | 20.1 | 7.9 | 32.2 | 7.2 | 94.4 | 5.0 | 10.9 | | | | | | | | |
| | | | | | | | 2 | 20.1 | 7.9 | 32.2 | 7.1 | 94.3 | 5.1 | 11.0 | | | | | | | | |
| | | | | | Surface | 1.0 | 1 | 20.2 | 7.9 | 32.4 | 7.1 | 93.0 | 4.2 | 9.6 | | | | 7.1 | 4.8 | 10.6 | | |
| | | | | | | | 2 | 20.2 | 7.9 | 32.4 | 7.1 | 93.0 | 4.3 | 10.0 | | | | | | | | |
| Bottom | 2.6 | 1 | 20.2 | 7.9 | 32.4 | 7.1 | 93.2 | 5.2 | 11.3 | | | | | | | | | | | | | |
| | | 2 | 20.2 | 7.9 | 32.4 | 7.2 | 93.3 | 5.4 | 11.6 | | | | | | | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-----|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|------|-----|------|-----|-----|-----|-----|------|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | | | | | | |
| 03-01-20 | Mid-Ebb | TCE-C1 | Fine | Moderate | 18:25 | 7.5 | Surface | 1.0 | 1 | 20.0 | 8.1 | 31.7 | 7.5 | 99.0 | 2.3 | 6.4 | 7.3 | 4.0 | 7.6 | | | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.1 | 31.7 | 7.5 | 99.0 | 2.3 | 6.9 | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 20.0 | 8.1 | 33.0 | 7.2 | 96.3 | 3.7 | 6.6 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.1 | 33.0 | 7.2 | 96.3 | 3.8 | 6.1 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 20.0 | 8.1 | 33.1 | 7.2 | 96.1 | 5.9 | 9.6 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.1 | 33.1 | 7.2 | 96.2 | 5.9 | 9.7 | | | | | | | | | | | |
| | | TCE-C2 | Fine | Moderate | 20:32 | 15.4 | Surface | 1.0 | 1 | 20.1 | 8.0 | 31.8 | 6.8 | 90.3 | 3.2 | 7.6 | 6.7 | 3.3 | 8.3 | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 31.8 | 6.8 | 90.1 | 3.2 | 7.5 | | | | | | | | | | | |
| | | | | | | | Middle | 7.7 | 1 | 20.2 | 8.0 | 32.5 | 6.6 | 87.6 | 2.7 | 8.6 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 32.5 | 6.6 | 87.5 | 2.7 | 8.2 | | | | | | | | | | | |
| | | | | | | | Bottom | 14.4 | 1 | 20.1 | 8.0 | 32.7 | 6.5 | 87.0 | 4.0 | 8.8 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 32.7 | 6.5 | 87.3 | 4.0 | 8.9 | | | | | | | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 19:14 | 10.2 | Surface | 1.0 | 1 | 20.2 | 8.1 | 32.2 | 7.1 | 94.1 | 6.9 | 9.8 | 7.0 | 7.8 | 10.7 | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 32.2 | 7.1 | 94.1 | 6.9 | 9.8 | | | | | | | | | | | |
| | | | | | | | Middle | 5.1 | 1 | 20.2 | 8.0 | 32.2 | 7.0 | 94.0 | 7.5 | 10.6 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 32.2 | 7.0 | 94.0 | 7.5 | 10.4 | | | | | | | | | | | |
| | | | | | | | Bottom | 9.2 | 1 | 20.2 | 8.0 | 32.3 | 7.1 | 94.1 | 8.9 | 11.5 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 32.3 | 7.1 | 94.1 | 9.0 | 11.9 | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 19:52 | 8.2 | Surface | 1.0 | 1 | 20.3 | 8.0 | 31.6 | 7.1 | 94.5 | 5.9 | 9.1 | 7.0 | 6.6 | 10.4 | | | | | | | | |
| | | | | | | | | | 2 | 20.3 | 8.0 | 31.6 | 7.1 | 94.5 | 5.9 | 9.6 | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 20.2 | 8.0 | 31.6 | 6.9 | 92.3 | 5.1 | 10.0 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 31.6 | 6.9 | 92.2 | 5.2 | 10.6 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 20.1 | 8.0 | 32.1 | 6.6 | 88.3 | 8.6 | 11.7 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 32.2 | 6.6 | 88.3 | 8.6 | 11.3 | | | | | | | | | | | |
| TCE-WQM2b | Fine | Moderate | 20:06 | 11.8 | Surface | 1.0 | 1 | 20.1 | 8.0 | 31.6 | 6.8 | 90.7 | 4.5 | 8.6 | 6.8 | 4.2 | 9.4 | | | | | | | | | | |
| | | | | | | | 2 | 20.1 | 8.0 | 31.6 | 6.8 | 90.6 | 4.6 | 8.4 | | | | | | | | | | | | | |
| | | | | | Middle | 5.9 | 1 | 20.1 | 8.0 | 31.8 | 6.7 | 89.6 | 4.3 | 9.2 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.1 | 8.0 | 31.8 | 6.7 | 89.6 | 4.4 | 9.4 | | | | | | | | | | | | | |
| | | | | | Bottom | 10.8 | 1 | 20.1 | 8.0 | 32.4 | 6.6 | 87.9 | 3.8 | 10.5 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.1 | 8.0 | 32.4 | 6.7 | 88.7 | 3.9 | 10.2 | | | | | | | | | | | | | |
| TCE-WQM3A | Fine | Moderate | 19:40 | 5.2 | Surface | 1.0 | 1 | 20.5 | 8.0 | 31.6 | 7.2 | 95.9 | 5.0 | 10.9 | 7.2 | 6.1 | 10.5 | | | | | | | | | | |
| | | | | | | | 2 | 20.5 | 8.0 | 31.6 | 7.2 | 96.0 | 5.0 | 10.7 | | | | | | | | | | | | | |
| | | | | | Bottom | 4.2 | 1 | 20.5 | 8.0 | 31.7 | 7.2 | 95.9 | 7.2 | 10.0 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.5 | 8.0 | 31.7 | 7.2 | 96.0 | 7.2 | 10.2 | | | | | | | | | | | | | |
| | | | | | Surface | 1.0 | 1 | 20.5 | 8.0 | 31.9 | 7.2 | 96.3 | 4.9 | 8.6 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.4 | 8.0 | 31.9 | 7.2 | 95.9 | 5.0 | 8.5 | | | | | | | | | | | | | |
| TCE-WQM4 | Fine | Moderate | 19:28 | 3.5 | Surface | 1.0 | 1 | 20.4 | 8.0 | 31.9 | 7.2 | 95.9 | 5.0 | 9.0 | 7.2 | 5.0 | 8.9 | | | | | | | | | | |
| | | | | | | | 2 | 20.4 | 8.0 | 31.9 | 7.2 | 95.9 | 5.0 | 9.0 | | | | | | | | | | | | | |
| | | | | | Bottom | 2.5 | 1 | 20.4 | 8.0 | 31.9 | 7.2 | 95.9 | 5.1 | 9.4 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.4 | 8.0 | 31.9 | 7.2 | 96.1 | 5.1 | 9.4 | | | | | | | | | | | | | |
| | | | | | 03-01-20 | Mid-Flood | TCE-C1 | Sunny | Calm | 14:56 | 7.1 | Surface | 1.0 | 1 | | | | 20.0 | 8.1 | 31.6 | 7.3 | 97.1 | 4.3 | 9.9 | 7.2 | 7.9 | 11.3 |
| | | | | | | | | | | | | | | 2 | | | | 20.0 | 8.1 | 31.6 | 7.3 | 97.1 | 4.3 | 9.2 | | | |
| Middle | 3.6 | 1 | 20.0 | 8.1 | | | | | | | | 32.7 | 7.2 | 95.4 | 7.5 | 11.4 | | | | | | | | | | | |
| | | 2 | 20.0 | 8.1 | | | | | | | | 32.7 | 7.2 | 95.4 | 7.6 | 11.9 | | | | | | | | | | | |
| Bottom | 6.1 | 1 | 20.0 | 8.1 | | | | | | | | 33.0 | 7.1 | 95.4 | 11.9 | 12.7 | | | | | | | | | | | |
| | | 2 | 20.0 | 8.1 | | | | | | | | 33.0 | 7.2 | 95.4 | 11.9 | 12.5 | | | | | | | | | | | |
| TCE-C2 | Sunny | Calm | 12:44 | 14.5 | | | Surface | 1.0 | 1 | 20.2 | 8.0 | 31.8 | 6.9 | 92.3 | 4.5 | 7.1 | 6.7 | 7.5 | 9.0 | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 31.9 | 6.9 | 92.1 | 4.6 | 7.2 | | | | | | | | | | | |
| | | | | | | | Middle | 7.3 | 1 | 20.1 | 8.0 | 32.4 | 6.5 | 87.1 | 8.4 | 9.6 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 32.4 | 6.5 | 87.1 | 8.4 | 9.9 | | | | | | | | | | | |
| | | | | | | | Bottom | 13.5 | 1 | 20.1 | 8.0 | 32.4 | 6.5 | 87.0 | 9.4 | 10.1 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 32.4 | 6.5 | 87.0 | 9.4 | 9.8 | | | | | | | | | | | |
| TCE-WQM1 | Sunny | Calm | 14:00 | 9.5 | | | Surface | 1.0 | 1 | 20.3 | 8.0 | 32.0 | 7.1 | 94.6 | 6.9 | 10.0 | 7.1 | 9.5 | 11.7 | | | | | | | | |
| | | | | | | | | | 2 | 20.3 | 8.0 | 32.0 | 7.1 | 94.6 | 6.9 | 10.7 | | | | | | | | | | | |
| | | | | | | | Middle | 4.8 | 1 | 20.2 | 8.0 | 32.1 | 7.1 | 94.3 | 7.6 | 11.9 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 32.1 | 7.1 | 94.3 | 7.7 | 12.3 | | | | | | | | | | | |
| | | | | | | | Bottom | 8.5 | 1 | 20.0 | 8.0 | 32.2 | 7.0 | 93.6 | 14.0 | 12.7 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.0 | 32.2 | 7.1 | 93.8 | 13.9 | 12.3 | | | | | | | | | | | |
| TCE-WQM2a | Sunny | Calm | 13:23 | 7.5 | | | Surface | 1.0 | 1 | 20.4 | 8.0 | 31.3 | 7.1 | 93.9 | 3.3 | 8.8 | 7.1 | 4.4 | 10.4 | | | | | | | | |
| | | | | | | | | | 2 | 20.4 | 8.0 | 31.3 | 7.1 | 93.9 | 3.3 | 9.1 | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 20.1 | 8.0 | 31.5 | 7.1 | 94.0 | 4.6 | 10.7 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 31.5 | 7.1 | 94.0 | 4.5 | 10.6 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 20.1 | 8.0 | 31.6 | 7.1 | 93.9 | 5.3 | 11.7 | | | | | | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 31.6 | 7.1 | 93.9 | 5.3 | 11.2 | | | | | | | | | | | |
| TCE-WQM2b | Sunny | Calm | 13:09 | 11.7 | Surface | 1.0 | 1 | 20.3 | 8.0 | 31.6 | 7.0 | 92.6 | 4.9 | 10.1 | 6.9 | 5.5 | 10.5 | | | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.0 | 31.6 | 7.0 | 92.6 | 4.9 | 9.8 | | | | | | | | | | | | | |
| | | | | | Middle | 5.9 | 1 | 20.2 | 8.0 | 31.7 | 6.9 | 91.6 | 5.5 | 10.2 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.2 | 8.0 | 31.7 | 6.9 | 91.6 | 5.5 | 10.3 | | | | | | | | | | | | | |
| | | | | | Bottom | 10.7 | 1 | 20.1 | 8.0 | 31.7 | 6.9 | 91.2 | 6.1 | 11.1 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.1 | 8.0 | 31.7 | 6.9 | 91.3 | 6.1 | 11.5 | | | | | | | | | | | | | |
| TCE-WQM3A | Sunny | Calm | 13:36 | 4.2 | Surface | 1.0 | 1 | 20.4 | 8.0 | 31.8 | 7.0 | 94.1 | 4.0 | 9.0 | 7.0 | 4.1 | 8.5 | | | | | | | | | | |
| | | | | | | | 2 | 20.4 | 8.0 | 31.8 | 7.0 | 94.1 | 4.0 | 9.0 | | | | | | | | | | | | | |
| | | | | | Bottom | 3.2 | 1 | 20.3 | 8.0 | 31.8 | 7.0 | 93.7 | 4.3 | 8.4 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.0 | 31.8 | 7.0 | 93.7 | 4.4 | 7.8 | | | | | | | | | | | | | |
| | | | | | Surface | 1.0 | 1 | 20.3 | 8.0 | 31.7 | 7.1 | 94.3 | 7.1 | 15.1 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.0 | 31.7 | 7.1 | 94.3 | 7.2 | 14.7 | | | | | | | | | | | | | |
| TCE-WQM4 | Sunny | Calm | 13:47 | 3.8 | Surface | 1.0 | 1 | 20.3 | 8.0 | 31.8 | 7.1 | 94.7 | 9.0 | 28.0 | 7.1 | 8.1 | 21.7 | | | | | | | | | | |
| | | | | | | | 2 | 20.2 | 8.0 | 31.8 | 7.1 | 94.7 | 9.0 | 29.0 | | | | | | | | | | | | | |
| | | | | | Bottom | 2.8 | 1 | 20.2 | 8.0 | 31.8 | 7.1 | 94.7 | 9.0 | 28.0 | | | | | | | | | | | | | |
| | | | | | | | 2 | 20.2 | 8.0 | 31.8 | 7.1 | 94.8 | 9.0 | 29.0 | | | | | | | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-----|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|-----|--|--|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | | |
| 06-01-20 | Mid-Ebb | TCE-C1 | Fine | Rough | 10:24 | 7.5 | Surface | 1.0 | 1 | 19.9 | 8.1 | 33.0 | 7.4 | 98.3 | 1.1 | 7.5 | 7.4 | 1.1 | 8.3 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 2 | 19.9 | 8.1 | 33.0 | 7.3 | 97.9 | 1.2 | 8.0 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 19.9 | 8.1 | 33.0 | 7.3 | 97.7 | 1.0 | 9.7 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-C2 | Fine | Calm | 7:58 | 12.0 | Surface | 1.0 | 1 | 20.2 | 7.8 | 32.3 | 6.9 | 91.6 | 1.3 | 4.9 | 6.8 | 1.8 | 5.3 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.0 | 1 | 20.2 | 7.7 | 32.7 | 6.7 | 90.1 | 1.9 | 5.3 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 11.0 | 1 | 20.2 | 7.7 | 32.7 | 6.7 | 89.8 | 2.0 | 5.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM1 | Fine | Calm | 9:22 | 8.6 | Surface | 1.0 | 1 | 20.4 | 8.1 | 31.7 | 7.3 | 97.6 | 1.8 | 6.4 | 7.3 | 3.2 | 7.4 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.3 | 1 | 20.4 | 8.1 | 31.7 | 7.3 | 97.0 | 3.3 | 7.4 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.6 | 1 | 20.4 | 8.1 | 31.7 | 7.3 | 97.2 | 3.3 | 6.8 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 8:42 | 7.5 | Surface | 1.0 | 1 | 20.2 | 8.0 | 31.6 | 7.2 | 95.5 | 1.5 | 5.2 | 7.1 | 2.4 | 6.9 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 20.2 | 8.0 | 31.6 | 7.1 | 94.9 | 2.5 | 6.9 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 20.2 | 8.0 | 31.6 | 7.1 | 94.5 | 2.8 | 7.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 8:24 | 10.0 | Surface | 1.0 | 1 | 20.3 | 8.0 | 31.7 | 7.0 | 92.9 | 1.7 | 5.5 | 6.9 | 2.3 | 6.6 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.0 | 1 | 20.3 | 7.9 | 31.9 | 6.9 | 91.8 | 2.3 | 6.5 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 9.0 | 1 | 20.3 | 7.9 | 32.3 | 6.9 | 91.6 | 2.8 | 8.3 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM3A | Fine | Calm | 8:55 | 3.3 | Surface | 1.0 | 1 | 20.4 | 8.0 | 31.7 | 7.2 | 96.4 | 1.9 | 6.4 | 7.2 | 2.6 | 7.4 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.3 | 1 | 20.4 | 8.0 | 31.7 | 7.3 | 97.4 | 3.2 | 8.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM4 | Fine | Calm | 9:08 | 3.1 | Surface | 1.0 | 1 | 20.3 | 8.0 | 31.5 | 7.4 | 98.3 | 1.1 | 6.4 | 7.4 | 1.1 | 7.0 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.1 | 1 | 20.3 | 8.0 | 31.5 | 7.3 | 97.8 | 1.1 | 6.3 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | 06-01-20 | Mid-Flood | TCE-C1 | Fine | Moderate | 13:37 | 7.9 | Surface | 1.0 | 1 | 20.0 | 8.0 | 32.9 | 7.4 | 98.6 | 0.9 | 8.1 | 7.3 | 1.4 | 7.8 | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | Middle | 4.0 | 1 | 20.0 | 8.0 | 33.0 | 7.3 | 96.9 | 1.4 | 7.7 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | Bottom | 6.9 | 1 | 19.9 | 8.0 | 33.0 | 7.3 | 97.2 | 1.4 | 8.0 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-C2 | Fine | | | Moderate | 15:40 | 12.0 | Surface | 1.0 | 1 | 20.5 | 8.1 | 32.6 | 6.9 | 92.2 | 0.7 | 6.6 | 6.8 | 3.2 | 8.0 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.0 | 1 | 20.3 | 8.1 | 32.8 | 6.7 | 89.5 | 3.4 | 7.6 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 11.0 | 1 | 20.3 | 8.1 | 32.8 | 6.7 | 89.5 | 3.5 | 7.4 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM1 | Fine | | | Moderate | 14:19 | 8.5 | Surface | 1.0 | 1 | 20.9 | 8.1 | 31.8 | 7.6 | 103.0 | 7.8 | 9.8 | 7.6 | 9.2 | 11.5 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.3 | 1 | 20.8 | 8.2 | 31.8 | 7.6 | 102.2 | 9.4 | 11.7 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.5 | 1 | 20.8 | 8.2 | 31.8 | 7.5 | 101.3 | 10.1 | 12.9 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM2a | Fine | | | Moderate | 14:57 | 7.5 | Surface | 1.0 | 1 | 20.7 | 8.1 | 31.7 | 7.4 | 98.9 | 1.2 | 5.2 | 7.3 | 2.6 | 7.2 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 20.5 | 8.1 | 31.8 | 7.2 | 96.2 | 3.2 | 7.6 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 20.4 | 8.1 | 31.8 | 7.1 | 95.0 | 3.2 | 8.4 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM2b | Fine | | | Moderate | 15:10 | 11.5 | Surface | 1.0 | 1 | 20.7 | 8.1 | 31.8 | 7.3 | 98.1 | 1.0 | 3.7 | 7.2 | 1.2 | 5.1 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.8 | 1 | 20.7 | 8.1 | 31.8 | 7.3 | 98.0 | 1.0 | 4.3 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 10.5 | 1 | 20.4 | 8.1 | 31.9 | 7.1 | 95.2 | 1.1 | 5.5 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM3A | Fine | | | Calm | 14:44 | 3.2 | Surface | 1.0 | 1 | 20.9 | 8.1 | 31.7 | 7.4 | 99.5 | 1.0 | 7.6 | 7.4 | 1.0 | 9.0 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.2 | 1 | 20.9 | 8.1 | 31.7 | 7.3 | 98.8 | 1.1 | 10.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM4 | Fine | | | Calm | 14:32 | 3.1 | Surface | 1.0 | 1 | 20.6 | 8.1 | 31.6 | 7.3 | 98.1 | 5.5 | 11.3 | 7.3 | 5.6 | 13.5 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.1 | 1 | 20.6 | 8.1 | 31.6 | 7.3 | 97.5 | 5.7 | 15.7 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-----|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | |
| 08-01-20 | Mid-Ebb | TCE-C1 | Fine | Rough | 11:46 | 7.4 | Surface | 1.0 | 1 | 20.9 | 8.0 | 30.2 | 7.9 | 105.3 | 1.3 | 5.8 | 7.8 | 3.1 | 5.9 | | |
| | | | | | | | Middle | 3.7 | 2 | 20.9 | 8.0 | 30.2 | 7.9 | 105.3 | 1.3 | 5.7 | | | | | |
| | | | | | | | Bottom | 6.4 | 1 | 20.5 | 8.0 | 31.3 | 7.6 | 101.7 | 2.9 | 5.8 | | | | | |
| | | | | | | | | | 2 | 20.5 | 8.0 | 31.3 | 7.6 | 101.6 | 3.0 | 5.1 | | | | | |
| | | | | | | | | | 1 | 20.2 | 8.0 | 33.1 | 7.5 | 100.1 | 5.1 | 6.6 | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.0 | 33.1 | 7.5 | 100.0 | 5.2 | 6.2 | | | | | |
| | | TCE-C2 | Fine | Moderate | 9:41 | 13.7 | Surface | 1.0 | 1 | 20.7 | 7.8 | 31.5 | 7.0 | 93.3 | 1.4 | 3.4 | 6.8 | 1.5 | 4.5 | | |
| | | | | | | | Middle | 6.9 | 1 | 20.5 | 7.8 | 32.6 | 6.7 | 89.9 | 1.2 | 3.7 | | | | | |
| | | | | | | | Bottom | 12.7 | 1 | 20.5 | 7.8 | 32.6 | 6.7 | 90.1 | 1.2 | 3.9 | | | | | |
| | | | | | | | | | 2 | 20.5 | 7.7 | 32.7 | 6.7 | 89.9 | 1.8 | 6.3 | | | | | |
| | | | | | | | | | 2 | 20.5 | 7.7 | 32.7 | 6.7 | 90.1 | 1.8 | 6.2 | | | | | |
| | | | | | | | | | 1 | 21.0 | 8.0 | 31.8 | 7.2 | 97.8 | 2.7 | 4.3 | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 11:04 | 8.9 | Surface | 1.0 | 1 | 21.0 | 8.0 | 31.8 | 7.2 | 97.8 | 2.7 | 4.3 | 7.2 | 5.3 | 4.7 | | |
| | | | | | | | Middle | 4.5 | 1 | 20.9 | 8.0 | 31.8 | 7.2 | 97.9 | 2.7 | 4.2 | | | | | |
| | | | | | | | Bottom | 7.9 | 1 | 20.9 | 8.0 | 31.8 | 7.1 | 96.0 | 3.5 | 5.0 | | | | | |
| | | | | | | | | | 2 | 20.9 | 8.0 | 31.8 | 7.1 | 96.0 | 3.5 | 4.9 | | | | | |
| | | | | | | | | | 1 | 20.9 | 8.0 | 31.8 | 7.2 | 96.8 | 9.8 | 4.6 | | | | | |
| | | | | | | | | | 2 | 20.9 | 8.0 | 31.8 | 7.2 | 96.7 | 9.8 | 4.9 | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 10:20 | 7.8 | Surface | 1.0 | 1 | 20.9 | 7.8 | 30.7 | 7.2 | 96.4 | 2.4 | 6.1 | 7.1 | 2.3 | 7.3 | | |
| | | | | | | | Middle | 3.9 | 1 | 20.9 | 7.8 | 30.7 | 7.2 | 96.4 | 2.4 | 5.8 | | | | | |
| | | | | | | | Bottom | 6.8 | 1 | 20.7 | 7.8 | 31.4 | 7.0 | 93.3 | 2.0 | 6.9 | | | | | |
| | | | | | | | | | 2 | 20.7 | 7.8 | 31.4 | 7.0 | 93.4 | 2.1 | 7.1 | | | | | |
| | | | | | | | | | 1 | 20.6 | 7.8 | 32.0 | 6.9 | 92.8 | 2.5 | 8.8 | | | | | |
| | | | | | | | | | 2 | 20.6 | 7.8 | 32.0 | 6.9 | 92.8 | 2.5 | 9.2 | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 10:08 | 11.9 | Surface | 1.0 | 1 | 21.0 | 7.8 | 30.1 | 7.2 | 95.7 | 1.6 | 4.3 | 7.0 | 2.1 | 5.4 | | |
| | | | | | | | Middle | 6.0 | 1 | 20.6 | 7.8 | 31.6 | 6.8 | 91.4 | 2.0 | 5.4 | | | | | |
| | | | | | | | Bottom | 10.9 | 1 | 20.6 | 7.8 | 31.6 | 6.8 | 91.4 | 2.0 | 5.6 | | | | | |
| | | | | | | | | | 2 | 20.5 | 7.7 | 32.5 | 6.9 | 92.1 | 2.6 | 6.2 | | | | | |
| | | | | | | | | | 2 | 20.5 | 7.7 | 32.5 | 6.9 | 92.2 | 2.7 | 6.6 | | | | | |
| | | | | | | | | | 1 | 21.0 | 7.9 | 30.2 | 7.2 | 96.8 | 1.2 | 4.3 | | | | | |
| | | TCE-WQM3A | Fine | Moderate | 10:32 | 4.5 | Surface | 1.0 | 1 | 21.0 | 7.9 | 30.2 | 7.2 | 96.7 | 1.2 | 4.8 | 7.2 | 2.4 | 5.6 | | |
| | | | | | | | Middle | 3.5 | 1 | 21.0 | 7.9 | 30.8 | 7.1 | 94.9 | 3.6 | 6.4 | | | | | |
| | | | | | | | Bottom | 3.5 | 1 | 21.0 | 7.9 | 30.8 | 7.1 | 94.9 | 3.6 | 6.4 | | | | | |
| | | | | | | | | | 2 | 21.0 | 7.9 | 30.7 | 7.1 | 95.0 | 3.6 | 6.7 | | | | | |
| | | | | | | | | | 1 | 21.0 | 8.0 | 31.3 | 7.2 | 97.0 | 2.7 | 4.3 | | | | | |
| | | | | | | | | | 2 | 21.0 | 8.0 | 31.3 | 7.2 | 96.8 | 2.8 | 4.2 | | | | | |
| | | TCE-WQM4 | Fine | Moderate | 10:52 | 3.2 | Surface | 1.0 | 1 | 21.0 | 8.0 | 31.5 | 7.1 | 95.3 | 7.2 | 6.5 | 7.1 | 5.0 | 5.4 | | |
| | | | | | | | Middle | 2.2 | 1 | 21.0 | 8.0 | 31.5 | 7.1 | 95.3 | 7.2 | 6.5 | | | | | |
| | | | | | | | Bottom | 2.2 | 2 | 21.0 | 8.0 | 31.5 | 7.1 | 95.4 | 7.2 | 6.6 | | | | | |
| | | | | | | | | | 1 | 21.1 | 7.9 | 30.7 | 8.0 | 107.2 | 2.4 | 3.9 | | | | | |
| | | | | | | | | | 2 | 21.1 | 7.9 | 30.7 | 8.0 | 107.1 | 2.4 | 3.4 | | | | | |
| | | | | | | | | | 1 | 20.5 | 7.9 | 31.6 | 7.6 | 101.9 | 1.9 | 4.6 | | | | | |
| | | 08-01-20 | Mid-Flood | TCE-C1 | Fine | Rough | 14:53 | 7.1 | Surface | 1.0 | 1 | 21.1 | 7.9 | 30.7 | 8.0 | 107.2 | 2.4 | 3.9 | 7.8 | 2.2 | 4.9 |
| | | | | | | | | | Middle | 3.6 | 1 | 20.5 | 7.9 | 31.6 | 7.6 | 101.9 | 1.9 | 4.6 | | | |
| | | | | | | | | | Bottom | 6.1 | 1 | 20.2 | 7.9 | 33.1 | 7.5 | 100.5 | 2.3 | 6.1 | | | |
| | | | | | | | | | | | 2 | 20.2 | 7.9 | 33.1 | 7.5 | 100.6 | 2.3 | 5.8 | | | |
| | | | | | | | | | | | 1 | 20.6 | 8.0 | 32.5 | 6.8 | 91.0 | 1.2 | 6.5 | | | |
| | | | | | | | | | | | 2 | 20.6 | 8.0 | 32.5 | 6.8 | 91.0 | 1.2 | 6.7 | | | |
| TCE-C2 | Fine | | | Rough | 17:04 | 14.2 | Surface | 1.0 | 1 | 20.6 | 8.0 | 32.5 | 6.8 | 89.7 | 2.5 | 6.6 | 6.7 | 3.0 | 6.9 | | |
| | | | | | | | Middle | 7.1 | 1 | 20.5 | 8.0 | 32.9 | 6.7 | 89.7 | 2.6 | 6.9 | | | | | |
| | | | | | | | Bottom | 13.2 | 1 | 20.5 | 7.9 | 33.0 | 6.6 | 89.5 | 5.2 | 7.2 | | | | | |
| | | | | | | | | | 2 | 20.5 | 7.9 | 33.0 | 6.6 | 89.5 | 5.1 | 7.4 | | | | | |
| | | | | | | | | | 1 | 21.7 | 7.9 | 31.3 | 7.5 | 102.5 | 4.1 | 9.3 | | | | | |
| | | | | | | | | | 2 | 21.7 | 7.9 | 31.3 | 7.5 | 102.5 | 4.2 | 9.4 | | | | | |
| TCE-WQM1 | Fine | | | Rough | 15:42 | 9.3 | Surface | 1.0 | 1 | 21.6 | 7.9 | 31.5 | 7.4 | 101.0 | 5.9 | 8.6 | 7.5 | 6.1 | 8.2 | | |
| | | | | | | | Middle | 4.7 | 1 | 21.6 | 7.9 | 31.5 | 7.4 | 100.9 | 6.0 | 8.0 | | | | | |
| | | | | | | | Bottom | 8.3 | 1 | 21.2 | 7.9 | 31.7 | 7.3 | 99.3 | 8.2 | 6.6 | | | | | |
| | | | | | | | | | 2 | 21.2 | 7.9 | 31.7 | 7.3 | 99.0 | 8.3 | 7.0 | | | | | |
| | | | | | | | | | 1 | 21.3 | 8.0 | 29.9 | 7.7 | 102.9 | 1.0 | 3.2 | | | | | |
| | | | | | | | | | 2 | 21.3 | 8.0 | 29.9 | 7.7 | 102.9 | 1.0 | 3.0 | | | | | |
| TCE-WQM2a | Fine | | | Rough | 16:21 | 7.2 | Surface | 1.0 | 1 | 21.4 | 8.0 | 30.7 | 7.5 | 101.3 | 2.8 | 3.6 | 7.6 | 2.8 | 3.4 | | |
| | | | | | | | Middle | 3.6 | 1 | 21.4 | 8.0 | 30.7 | 7.5 | 101.3 | 2.8 | 3.6 | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 21.4 | 8.0 | 30.7 | 7.5 | 101.0 | 2.8 | 3.3 | | | | | |
| | | | | | | | | | 2 | 21.2 | 8.0 | 31.3 | 7.1 | 96.4 | 4.4 | 3.6 | | | | | |
| | | | | | | | | | 1 | 21.2 | 8.0 | 31.3 | 7.1 | 96.4 | 4.5 | 3.8 | | | | | |
| | | | | | | | | | 2 | 21.2 | 8.0 | 31.1 | 7.7 | 103.5 | 1.4 | 3.6 | | | | | |
| TCE-WQM2b | Fine | | | Rough | 16:32 | 11.6 | Surface | 1.0 | 1 | 21.3 | 8.0 | 31.1 | 7.7 | 103.6 | 1.4 | 4.1 | 7.5 | 3.4 | 6.1 | | |
| | | | | | | | Middle | 5.8 | 1 | 21.0 | 8.0 | 31.4 | 7.4 | 99.8 | 3.2 | 6.6 | | | | | |
| | | | | | | | Bottom | 10.6 | 1 | 21.0 | 8.0 | 31.4 | 7.4 | 99.6 | 3.2 | 6.4 | | | | | |
| | | | | | | | | | 2 | 20.9 | 8.0 | 31.6 | 7.3 | 98.0 | 5.5 | 7.8 | | | | | |
| | | | | | | | | | 1 | 20.9 | 8.0 | 31.6 | 7.3 | 98.0 | 5.5 | 8.0 | | | | | |
| | | | | | | | | | 2 | 21.3 | 8.0 | 30.4 | 7.4 | 99.8 | 2.9 | 7.5 | | | | | |
| TCE-WQM3A | Fine | | | Rough | 16:09 | 4.7 | Surface | 1.0 | 1 | 21.3 | 8.0 | 30.4 | 7.4 | 99.6 | 3.0 | 7.2 | 7.4 | 4.7 | 8.6 | | |
| | | | | | | | Middle | 3.7 | 1 | 21.1 | 8.0 | 31.0 | 7.1 | 96.0 | 6.4 | 10.1 | | | | | |
| | | | | | | | Bottom | 3.7 | 1 | 21.2 | 8.0 | 31.0 | 7.1 | 96.3 | 6.5 | 9.7 | | | | | |
| | | | | | | | | | 2 | 21.2 | 8.0 | 31.0 | 7.1 | 96.3 | 6.5 | 9.7 | | | | | |
| | | | | | | | | | 1 | 21.5 | 8.0 | 30.7 | 7.7 | 104.2 | 2.9 | 7.7 | | | | | |
| | | | | | | | | | 2 | 21.5 | 8.0 | 30.7 | 7.7 | 104.0 | 2.9 | 8.3 | | | | | |
| TCE-WQM4 | Fine | | | Rough | 15:56 | 3.6 | Surface | 1.0 | 1 | 21.4 | 8.0 | 31.0 | 7.5 | 101.2 | 4.8 | 9.8 | 7.7 | 3.9 | 9.0 | | |
| | | | | | | | Middle | 2.6 | 1 | 21.4 | 8.0 | 31.0 | 7.5 | 101.2 | 4.8 | 9.8 | | | | | |
| | | | | | | | Bottom | 2.6 | 1 | 21.4 | 8.0 | 31.0 | 7.5 | 101.2 | 4.8 | 9.8 | | | | | |
| | | | | | | | | | 2 | 21.5 | 8.0 | 30.9 | 7.5 | 101.1 | 4.9 | 10.1 | | | | | |
| | | | | | | | | | 1 | 21.5 | 8.0 | 30.9 | 7.5 | 101.1 | 4.9 | 10.1 | | | | | |
| | | | | | | | | | 2 | 21.5 | 8.0 | 30.9 | 7.5 | 101.1 | 4.9 | 10.1 | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | | | | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-----|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|------|-------|------|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | | | | | | | | |
| 10-01-20 | Mid-Ebb | TCE-C1 | Fine | Moderate | 13:34 | 7.5 | Surface | 1.0 | 1 | 20.6 | 8.2 | 32.2 | 7.8 | 104.3 | 4.2 | 5.2 | 7.7 | 5.3 | 7.2 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 20.2 | 8.1 | 32.4 | 7.6 | 101.1 | 4.4 | 7.6 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 20.2 | 8.1 | 33.0 | 7.5 | 100.7 | 7.3 | 8.7 | | | | 7.5 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-C2 | Fine | Moderate | 11:12 | 13.9 | Surface | 1.0 | 1 | 20.4 | 8.0 | 32.3 | 6.6 | 89.0 | 3.2 | 7.1 | 6.6 | 3.3 | 8.1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 7.0 | 1 | 20.3 | 8.0 | 32.6 | 6.6 | 88.0 | 3.1 | 7.8 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 12.9 | 1 | 20.3 | 8.0 | 32.6 | 6.6 | 87.8 | 3.5 | 9.1 | | | | 6.6 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 12:31 | 8.1 | Surface | 1.0 | 1 | 20.4 | 8.1 | 32.0 | 7.2 | 96.8 | 7.2 | 10.1 | 7.2 | 8.4 | 11.3 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 20.3 | 8.1 | 32.0 | 7.2 | 96.5 | 9.0 | 11.5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.1 | 1 | 20.3 | 8.1 | 32.0 | 7.2 | 96.5 | 8.9 | 12.2 | | | | 7.2 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 11:52 | 7.1 | Surface | 1.0 | 1 | 20.5 | 8.1 | 31.6 | 7.1 | 95.3 | 5.1 | 11.1 | 7.1 | 5.8 | 12.8 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 20.4 | 8.1 | 31.6 | 7.1 | 95.1 | 5.5 | 12.5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.1 | 1 | 20.4 | 8.1 | 31.6 | 7.1 | 94.9 | 5.5 | 12.6 | | | | 7.1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 11:38 | 12.1 | Surface | 1.0 | 1 | 20.5 | 8.0 | 31.6 | 7.0 | 93.4 | 3.9 | 8.8 | 6.9 | 4.4 | 10.1 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.1 | 1 | 20.4 | 8.0 | 31.7 | 6.9 | 92.2 | 4.0 | 10.4 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 11.1 | 1 | 20.5 | 8.0 | 32.1 | 6.8 | 91.3 | 5.2 | 11.3 | | | | 6.8 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM3A | Fine | Moderate | 12:06 | 3.7 | Surface | 1.0 | 1 | 20.6 | 8.0 | 31.4 | 6.8 | 91.3 | 4.2 | 24.0 | 6.8 | 5.2 | 25.6 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.7 | 1 | 20.5 | 8.1 | 31.4 | 6.9 | 91.7 | 6.2 | 26.7 | | | | 6.9 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Fine | Moderate | 12:17 | 3.6 | Surface | 1.0 | 1 | 20.7 | 8.1 | | | | 31.4 | 7.1 | 95.7 | 4.4 | 8.2 | 7.1 | 5.4 | 8.8 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Bottom | 2.6 | 1 | 20.5 | 8.1 | | | | | | 31.5 | 7.1 | 94.6 | 6.5 | 9.2 | 7.1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 10-01-20 | Mid-Flood | TCE-C1 | Cloudy | Rough | | | | | | 16:10 | 7.4 | Surface | 1.0 | 1 | 20.9 | 8.1 | 31.8 | 7.9 | 106.7 | 3.9 | 9.5 | 7.8 | | | | 5.5 | 7.9 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 20.4 | 8.1 | | | 32.3 | 7.7 | 102.9 | 4.0 | 7.4 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.4 | 1 | 20.3 | 8.1 | | | 33.0 | 7.4 | 99.5 | 8.7 | 7.1 | 7.4 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | TCE-C2 | Cloudy | Rough | 18:13 | 12.6 | Surface | 1.0 | 1 | 20.5 | 8.0 | 32.2 | 6.8 | 91.5 | 3.2 | 6.8 | 6.8 | 3.8 | 7.7 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | Middle | 6.3 | 1 | 20.4 | 8.0 | 32.5 | 6.7 | 89.9 | 3.0 | 7.2 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bottom | 11.6 | | | | | | | | 1 | 20.3 | 8.0 | 32.5 | 6.9 | 92.3 | 5.2 | 8.6 | 6.9 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM1 | Cloudy | | | Rough | 16:55 | 8.6 | Surface | 1.0 | 1 | 20.8 | 8.0 | 31.7 | 7.4 | 99.7 | 5.9 | 9.5 | 7.4 | 6.9 | 10.9 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.3 | 1 | 20.5 | 8.0 | 31.9 | 7.3 | 98.3 | 6.1 | 10.5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.6 | 1 | 20.4 | 8.1 | 32.0 | 7.3 | 97.4 | 8.6 | 13.0 | | | | 7.3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM2a | Cloudy | | | Rough | 17:36 | 8.2 | Surface | 1.0 | 1 | 20.5 | 8.0 | 31.6 | 7.2 | 96.0 | 12.0 | 12.0 | 7.2 | 12.3 | 14.6 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 20.5 | 8.0 | 31.5 | 7.2 | 95.7 | 11.2 | 14.9 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 20.5 | 8.0 | 31.5 | 7.2 | 95.7 | 11.5 | 14.7 | | | | 7.1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM2b | Cloudy | | | Rough | 17:43 | 11.8 | Surface | 1.0 | 1 | 20.7 | 8.0 | 31.2 | 7.2 | 96.4 | 2.8 | 6.2 | 7.2 | 6.8 | 7.9 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.9 | 1 | 20.6 | 8.0 | 31.5 | 7.1 | 95.1 | 3.9 | 8.1 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 10.8 | 1 | 20.6 | 8.0 | 31.5 | 7.1 | 95.1 | 3.9 | 7.8 | | | | 7.1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM3A | Cloudy | | | Rough | 17:20 | 4.0 | Surface | 1.0 | 1 | 20.6 | 8.0 | 31.7 | 7.1 | 95.4 | 13.6 | 9.5 | 7.1 | 4.9 | 10.4 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 3.0 | 1 | 20.6 | 8.0 | 31.5 | 7.1 | 95.5 | 5.0 | 9.9 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 3.0 | 2 | 20.6 | 8.0 | 31.5 | 7.1 | 95.1 | 4.8 | 10.8 | | | | 7.1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM4 | Cloudy | | | Rough | 17:07 | 3.6 | Surface | 1.0 | 1 | 20.8 | 8.1 | 31.4 | 7.3 | 98.1 | 5.5 | 9.9 | 7.3 | 5.8 | 11.3 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.6 | 1 | 20.8 | 8.1 | 31.4 | 7.3 | 98.1 | 5.6 | 10.5 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.6 | 2 | 20.8 | 8.1 | 31.4 | 7.3 | 98.1 | 5.9 | 12.4 | | | | 7.3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | |
|-----------|-----------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|------|------|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | |
| 13-01-20 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 13:18 | 7.8 | Surface | 1.0 | 1 | 19.9 | 8.2 | 30.0 | 7.8 | 102.6 | 6.9 | 8.1 | 7.8 | 6.8 | 9.5 | | |
| | | | | | | | | | 2 | 19.9 | 8.2 | 30.0 | 7.8 | 102.6 | 6.7 | 8.3 | | | | | |
| | | | | | | | Middle | 3.9 | 1 | 19.9 | 8.2 | 29.9 | 7.8 | 102.4 | 6.1 | 8.9 | | | | | |
| | | | | | | | | | 2 | 19.9 | 8.2 | 29.9 | 7.8 | 102.3 | 6.2 | 8.6 | | | | | |
| | | | | | | | Bottom | 6.8 | 1 | 20.0 | 8.2 | 30.0 | 7.8 | 102.4 | 7.5 | 11.6 | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.3 | 30.0 | 7.8 | 102.3 | 7.4 | 11.5 | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 15:17 | 12.9 | Surface | 1.0 | 1 | 20.2 | 8.1 | 29.4 | 7.4 | 97.2 | 7.0 | 7.1 | 7.4 | 7.7 | 7.7 | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 29.4 | 7.4 | 97.2 | 6.8 | 7.3 | | | | | |
| | | | | | | | Middle | 6.5 | 1 | 20.1 | 8.1 | 29.7 | 7.3 | 96.3 | 8.2 | 7.9 | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.1 | 29.7 | 7.3 | 96.5 | 8.4 | 7.7 | | | | | |
| | | | | | | | Bottom | 11.9 | 1 | 20.1 | 8.1 | 30.0 | 7.5 | 98.5 | 8.1 | 8.3 | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.1 | 30.1 | 7.5 | 98.8 | 7.8 | 8.0 | | | | | |
| | | TCE-WQM1 | Cloudy | Calm | 13:56 | 7.9 | Surface | 1.0 | 1 | 20.1 | 8.1 | 28.9 | 7.5 | 98.1 | 11.6 | 11.2 | 7.5 | 10.7 | 12.2 | | |
| | | | | | | | | | 2 | 20.1 | 8.1 | 28.9 | 7.5 | 98.3 | 11.5 | 11.6 | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 20.2 | 8.1 | 29.0 | 7.5 | 98.1 | 10.6 | 12.2 | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 29.0 | 7.5 | 98.1 | 10.6 | 12.5 | | | | | |
| | | | | | | | Bottom | 6.9 | 1 | 20.2 | 8.1 | 28.9 | 7.6 | 98.9 | 9.8 | 12.6 | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 28.9 | 7.6 | 99.0 | 10.1 | 13.0 | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 14:36 | 7.4 | Surface | 1.0 | 1 | 20.2 | 8.1 | 29.0 | 7.6 | 99.0 | 7.2 | 8.1 | 7.5 | 8.6 | 10.0 | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 29.0 | 7.6 | 99.0 | 7.2 | 8.1 | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 20.2 | 8.1 | 29.0 | 7.5 | 98.1 | 7.9 | 9.7 | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 29.0 | 7.5 | 98.0 | 7.9 | 10.0 | | | | | |
| | | | | | | | Bottom | 6.4 | 1 | 20.2 | 8.1 | 29.0 | 7.5 | 98.8 | 10.9 | 11.6 | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 29.0 | 7.6 | 99.0 | 10.8 | 11.9 | | | | | |
| | TCE-WQM2b | Cloudy | Moderate | 14:51 | 11.0 | Surface | 1.0 | 1 | 20.2 | 8.1 | 29.0 | 7.5 | 97.9 | 6.4 | 5.2 | 7.5 | 7.8 | 6.5 | | | |
| | | | | | | | | 2 | 20.2 | 8.1 | 29.0 | 7.5 | 98.0 | 6.6 | 5.4 | | | | | | |
| | | | | | | Middle | 5.5 | 1 | 20.2 | 8.1 | 29.0 | 7.5 | 98.6 | 8.2 | 6.7 | | | | | | |
| | | | | | | | | 2 | 20.2 | 8.1 | 29.0 | 7.6 | 98.9 | 8.0 | 6.6 | | | | | | |
| | | | | | | Bottom | 10.0 | 1 | 20.2 | 8.1 | 29.0 | 7.5 | 98.8 | 9.3 | 7.6 | | | | | | |
| | | | | | | | | 2 | 20.2 | 8.1 | 29.1 | 7.6 | 99.2 | 8.6 | 7.4 | | | | | | |
| | TCE-WQM3A | Cloudy | Calm | 14:23 | 3.8 | Surface | 1.0 | 1 | 20.3 | 8.1 | 29.0 | 7.4 | 96.8 | 13.7 | 19.1 | 7.4 | 14.9 | 20.2 | | | |
| | | | | | | | | 2 | 20.3 | 8.1 | 29.0 | 7.4 | 96.9 | 13.7 | 18.7 | | | | | | |
| | | | | | | Bottom | 2.8 | 1 | 20.3 | 8.1 | 29.0 | 7.4 | 97.1 | 16.1 | 21.2 | | | | | | |
| | | | | | | | | 2 | 20.3 | 8.1 | 29.0 | 7.4 | 97.1 | 16.0 | 21.7 | | | | | | |
| | | | | | | Surface | 1.0 | 1 | 20.3 | 8.1 | 29.0 | 7.5 | 98.7 | 10.5 | 10.5 | | | | 7.5 | 10.1 | 11.1 |
| | | | | | | | | 2 | 20.3 | 8.1 | 29.0 | 7.5 | 98.7 | 10.3 | 10.0 | | | | | | |
| | Middle | 2.5 | 1 | 20.3 | 8.1 | 28.9 | 7.6 | 99.0 | 9.8 | 11.8 | | | | | | | | | | | |
| | | | 2 | 20.3 | 8.1 | 28.9 | 7.6 | 99.1 | 9.8 | 12.0 | | | | | | | | | | | |
| | Bottom | 10.0 | 1 | 19.7 | 8.2 | 29.3 | 7.6 | 99.1 | 14.6 | 12.2 | | | | | | | | | | | |
| | | | 2 | 19.7 | 8.2 | 29.3 | 7.6 | 99.1 | 14.6 | 12.5 | | | | | | | | | | | |
| | 13-01-20 | Mid-Flood | TCE-C1 | Cloudy | Moderate | 10:50 | 7.6 | Surface | 1.0 | 1 | 19.7 | 8.2 | 29.3 | 7.6 | 99.1 | 14.6 | 12.2 | 7.6 | 11.7 | 14.7 | |
| | | | | | | | | | | 2 | 19.7 | 8.2 | 29.3 | 7.6 | 99.1 | 14.6 | 12.5 | | | | |
| | | | | | | | | Middle | 3.8 | 1 | 19.8 | 8.2 | 29.0 | 7.6 | 99.1 | 10.0 | 13.3 | | | | |
| | | | | | | | | | | 2 | 19.8 | 8.2 | 29.0 | 7.6 | 99.1 | 10.2 | 13.1 | | | | |
| | | | | | | | | Bottom | 6.6 | 1 | 19.8 | 8.2 | 29.0 | 7.6 | 98.9 | 10.3 | 18.7 | | | | |
| | | | | | | | | | | 2 | 19.8 | 8.2 | 29.0 | 7.6 | 98.9 | 10.3 | 18.2 | | | | |
| | | | TCE-C2 | Cloudy | Moderate | 8:34 | 12.8 | Surface | 1.0 | 1 | 20.1 | 8.0 | 29.2 | 7.4 | 96.7 | 9.1 | 9.5 | 7.4 | 10.0 | 12.9 | |
| | | | | | | | | | | 2 | 20.1 | 8.0 | 29.1 | 7.6 | 98.7 | 11.1 | 10.0 | | | | |
| Middle | | | | | | | | 6.4 | 1 | 20.1 | 8.0 | 29.1 | 7.3 | 96.0 | 12.3 | 11.4 | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.0 | 29.0 | 7.3 | 96.0 | 12.2 | 11.2 | | | | | |
| Bottom | | | | | | | | 11.8 | 1 | 20.1 | 8.0 | 29.0 | 7.3 | 95.9 | 7.9 | 17.5 | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.0 | 29.0 | 7.3 | 95.8 | 7.7 | 17.9 | | | | | |
| TCE-WQM1 | | | Cloudy | Calm | 10:00 | 8.0 | Surface | 1.0 | 1 | 20.1 | 8.1 | 28.8 | 7.6 | 99.0 | 11.9 | 10.0 | 7.6 | 11.7 | 11.7 | | |
| | | | | | | | | | 2 | 20.1 | 8.1 | 28.8 | 7.6 | 99.5 | 11.8 | 10.4 | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 20.1 | 8.1 | 28.8 | 7.6 | 99.2 | 13.6 | 11.4 | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.1 | 28.8 | 7.6 | 99.5 | 13.0 | 11.7 | | | | | |
| | | | | | | | Bottom | 7.0 | 1 | 20.1 | 8.1 | 28.8 | 7.4 | 97.2 | 9.9 | 13.2 | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.1 | 28.8 | 7.5 | 97.4 | 10.0 | 13.4 | | | | | |
| TCE-WQM2a | | | Cloudy | Moderate | 9:17 | 7.2 | Surface | 1.0 | 1 | 20.0 | 8.1 | 28.8 | 7.4 | 96.8 | 21.7 | 21.9 | 7.4 | 19.9 | 26.7 | | |
| | | | | | | | | | 2 | 20.0 | 8.1 | 28.8 | 7.4 | 96.8 | 21.7 | 21.2 | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 19.9 | 8.1 | 28.8 | 7.5 | 97.2 | 24.4 | 28.0 | | | | | |
| | | | | | | | | | 2 | 19.9 | 8.1 | 28.8 | 7.5 | 97.3 | 23.2 | 28.3 | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 19.8 | 8.1 | 28.8 | 7.5 | 97.2 | 14.3 | 30.1 | | | | | |
| | | | | | | | | | 2 | 19.8 | 8.1 | 28.8 | 7.5 | 97.5 | 14.2 | 30.6 | | | | | |
| TCE-WQM2b | | Cloudy | Moderate | 9:01 | 11.3 | Surface | 1.0 | 1 | 20.0 | 8.1 | 28.9 | 7.4 | 96.6 | 21.2 | 18.5 | 7.4 | 14.6 | 20.5 | | | |
| | | | | | | | | 2 | 20.0 | 8.1 | 28.9 | 7.4 | 96.6 | 17.6 | 18.8 | | | | | | |
| | | | | | | Middle | 5.7 | 1 | 20.0 | 8.1 | 28.8 | 7.4 | 97.1 | 11.4 | 20.2 | | | | | | |
| | | | | | | | | 2 | 20.0 | 8.1 | 28.8 | 7.4 | 96.4 | 11.7 | 20.3 | | | | | | |
| | | | | | | Bottom | 10.3 | 1 | 20.0 | 8.1 | 28.8 | 7.4 | 96.4 | 12.6 | 22.8 | | | | | | |
| | | | | | | | | 2 | 20.0 | 8.1 | 28.8 | 7.4 | 96.6 | 13.1 | 22.2 | | | | | | |
| TCE-WQM3A | | Cloudy | Calm | 9:36 | 3.9 | Surface | 1.0 | 1 | 20.1 | 8.1 | 28.9 | 7.4 | 96.8 | 6.0 | 5.9 | 7.4 | 6.3 | 5.8 | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 28.9 | 7.4 | 96.8 | 6.0 | 5.9 | | | | | | |
| | | | | | | Middle | 2.9 | 1 | 20.2 | 8.1 | 28.9 | 7.4 | 97.2 | 6.0 | 6.1 | | | | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 28.9 | 7.4 | 96.1 | 6.7 | 5.5 | | | | | | |
| | | | | | | Bottom | 2.9 | 1 | 20.1 | 8.1 | 28.9 | 7.4 | 96.4 | 6.6 | 5.6 | | | | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 28.9 | 7.4 | 96.4 | 6.6 | 5.6 | | | | | | |
| TCE-WQM4 | | Cloudy | Calm | 9:45 | 3.4 | Surface | 1.0 | 1 | 20.1 | 8.1 | 29.0 | 7.4 | 96.8 | 12.7 | 13.3 | 7.4 | 13.0 | 15.5 | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 29.0 | 7.4 | 97.1 | 12.9 | 12.9 | | | | | | |
| | | | | | | Middle | 2.4 | 1 | 20.1 | 8.1 | 29.1 | 7.4 | 96.6 | 13.3 | 17.9 | | | | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 29.1 | 7.4 | 96.6 | 13.3 | 17.7 | | | | | | |
| | | | | | | Bottom | 2.4 | 1 | 20.1 | 8.1 | 29.1 | 7.4 | 96.6 | 13.3 | 17.9 | | | | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 29.1 | 7.4 | 96.6 | 13.3 | 17.7 | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|------|------|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | |
| 15-01-20 | Mid-Ebb | TCE-C1 | Fine | Moderate | 14:56 | 8.4 | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.8 | 7.9 | 105.4 | 4.5 | 7.7 | 7.9 | 7.4 | 8.1 | | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 31.8 | 7.9 | 105.4 | 4.8 | 7.4 | | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 20.0 | 7.9 | 32.3 | 7.8 | 103.8 | 7.6 | 8.1 | | | | | | |
| | | | | | | | | | 2 | 20.0 | 7.9 | 32.4 | 7.8 | 103.8 | 7.9 | 8.0 | | | | | | |
| | | | | | | | Bottom | 7.4 | 1 | 19.9 | 7.8 | 32.8 | 7.8 | 103.4 | 9.6 | 8.9 | | | | | | |
| | | | | | | | | | 2 | 19.9 | 7.8 | 32.8 | 7.8 | 103.5 | 9.7 | 8.7 | | | | | | |
| | | TCE-C2 | Fine | Moderate | 16:48 | 12.9 | Surface | 1.0 | 1 | 20.2 | 7.7 | 31.6 | 7.1 | 94.1 | 2.0 | 9.2 | 7.0 | 3.0 | 9.5 | | | |
| | | | | | | | | | 2 | 20.2 | 7.7 | 31.6 | 7.1 | 94.1 | 2.0 | 8.7 | | | | | | |
| | | | | | | | Middle | 6.5 | 1 | 20.2 | 7.7 | 31.8 | 7.0 | 92.6 | 2.8 | 9.2 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.7 | 31.8 | 7.0 | 92.7 | 2.8 | 8.9 | | | | | | |
| | | | | | | | Bottom | 11.9 | 1 | 20.1 | 7.7 | 31.9 | 7.0 | 93.6 | 4.2 | 10.3 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.7 | 31.9 | 7.0 | 93.7 | 4.3 | 10.8 | | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 15:40 | 8.2 | Surface | 1.0 | 1 | 20.3 | 7.8 | 31.3 | 7.6 | 101.3 | 6.9 | 14.4 | 7.6 | 7.6 | 12.6 | | | |
| | | | | | | | | | 2 | 20.3 | 7.8 | 31.3 | 7.6 | 101.3 | 6.6 | 13.9 | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 20.3 | 7.8 | 31.3 | 7.6 | 100.5 | 7.1 | 13.0 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.8 | 31.3 | 7.6 | 100.8 | 7.4 | 12.8 | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 20.3 | 7.8 | 31.3 | 7.6 | 101.0 | 8.8 | 10.5 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 7.8 | 31.3 | 7.6 | 101.0 | 8.9 | 10.8 | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 16:13 | 7.2 | Surface | 1.0 | 1 | 20.4 | 7.8 | 31.0 | 7.5 | 101.1 | 3.3 | 10.8 | 7.5 | 3.1 | 9.6 | | | |
| | | | | | | | | | 2 | 20.4 | 7.8 | 31.0 | 7.5 | 101.1 | 3.3 | 11.2 | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 20.4 | 7.8 | 31.0 | 7.5 | 99.6 | 3.1 | 9.5 | | | | | | |
| | | | | | | | | | 2 | 20.4 | 7.8 | 31.0 | 7.5 | 99.6 | 3.2 | 9.7 | | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 20.4 | 7.8 | 31.0 | 7.5 | 100.3 | 2.9 | 8.4 | | | | | | |
| | | | | | | | | | 2 | 20.4 | 7.8 | 31.0 | 7.6 | 100.6 | 2.8 | 8.0 | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 16:25 | 10.9 | Surface | 1.0 | 1 | 20.3 | 7.7 | 31.2 | 7.2 | 95.2 | 1.7 | 5.5 | 7.1 | 3.0 | 5.7 | | | |
| | | | | | | | | | 2 | 20.3 | 7.7 | 31.2 | 7.2 | 95.2 | 1.8 | 5.9 | | | | | | |
| | | | | | | | Middle | 5.5 | 1 | 20.2 | 7.7 | 31.9 | 7.0 | 93.7 | 3.5 | 5.6 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.7 | 31.9 | 7.0 | 93.7 | 3.6 | 5.5 | | | | | | |
| | | | | | | | Bottom | 9.9 | 1 | 20.2 | 7.7 | 31.9 | 7.2 | 95.3 | 3.9 | 5.8 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.7 | 31.9 | 7.2 | 95.6 | 3.7 | 5.6 | | | | | | |
| | | TCE-WQM3A | Fine | Calm | 16:02 | 3.8 | Surface | 1.0 | 1 | 20.5 | 7.8 | 31.0 | 7.5 | 99.3 | 4.6 | 9.3 | 7.5 | 4.8 | 10.1 | | | |
| | | | | | | | | | 2 | 20.5 | 7.8 | 31.0 | 7.5 | 99.5 | 4.6 | 9.7 | | | | | | |
| | | | | | | | Bottom | 2.8 | 1 | 20.5 | 7.8 | 31.0 | 7.6 | 100.5 | 4.8 | 10.6 | | | | | | |
| | | | | | | | | | 2 | 20.5 | 7.8 | 31.0 | 7.6 | 100.8 | 5.0 | 10.8 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.4 | 7.8 | 31.0 | 7.6 | 100.4 | 5.7 | 11.5 | | | | 7.6 | 5.8 | 11.1 |
| | | | | | | | | | 2 | 20.4 | 7.8 | 31.0 | 7.6 | 100.7 | 5.7 | 11.8 | | | | | | |
| | | Middle | 2.5 | 1 | 20.4 | 7.8 | 31.0 | 7.6 | 101.2 | 5.9 | 10.7 | | | | | | | | | | | |
| | | | | 2 | 20.4 | 7.8 | 31.0 | 7.7 | 101.6 | 5.9 | 10.2 | | | | | | | | | | | |
| | | Bottom | 1.0 | 1 | 20.0 | 7.8 | 31.0 | 7.7 | 102.0 | 7.7 | 12.7 | | | | | | | | | | | |
| | | | | 2 | 20.0 | 7.8 | 31.1 | 7.7 | 102.1 | 7.9 | 12.9 | | | | | | | | | | | |
| | | 15-01-20 | Mid-Flood | TCE-C1 | Fine | Moderate | 12:24 | 7.8 | Surface | 1.0 | 1 | 20.0 | 7.8 | 31.0 | 7.7 | 102.0 | 7.7 | 12.7 | 7.7 | 8.8 | 11.2 | |
| | | | | | | | | | | | 2 | 20.0 | 7.8 | 31.1 | 7.7 | 102.1 | 7.9 | 12.9 | | | | |
| | | | | | | | | | Middle | 3.9 | 1 | 19.9 | 7.8 | 32.1 | 7.7 | 101.6 | 8.3 | 11.0 | | | | |
| | | | | | | | | | | | 2 | 19.9 | 7.8 | 32.1 | 7.7 | 101.6 | 8.3 | 11.5 | | | | |
| | | | | | | | | | Bottom | 6.8 | 1 | 19.9 | 7.8 | 32.6 | 7.7 | 101.8 | 10.2 | 9.4 | | | | |
| | | | | | | | | | | | 2 | 19.9 | 7.8 | 32.6 | 7.7 | 101.7 | 10.5 | 9.6 | | | | |
| | | | | TCE-C2 | Fine | Moderate | 10:16 | 12.8 | Surface | 1.0 | 1 | 20.2 | 7.5 | 31.0 | 7.2 | 95.2 | 2.8 | 8.0 | 7.2 | 4.3 | 10.0 | |
| | | | | | | | | | | | 2 | 20.2 | 7.5 | 31.0 | 7.2 | 95.1 | 2.9 | 8.7 | | | | |
| Middle | 6.4 | | | | | | | | 1 | 20.1 | 7.5 | 31.0 | 7.1 | 94.4 | 4.4 | 9.8 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.5 | 31.0 | 7.1 | 94.2 | 4.5 | 9.5 | | | | | | |
| Bottom | 11.8 | | | | | | | | 1 | 20.1 | 7.5 | 31.0 | 7.1 | 94.1 | 5.6 | 11.8 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.5 | 31.0 | 7.1 | 94.2 | 5.5 | 12.1 | | | | | | |
| TCE-WQM1 | Fine | | | Calm | 11:52 | 8.0 | Surface | 1.0 | 1 | 20.0 | 7.7 | 31.1 | 7.4 | 97.6 | 4.4 | 10.2 | 7.4 | 5.0 | 11.6 | | | |
| | | | | | | | | | 2 | 20.0 | 7.7 | 31.1 | 7.4 | 97.6 | 4.5 | 9.9 | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 19.9 | 7.7 | 31.1 | 7.4 | 97.6 | 4.9 | 11.8 | | | | | | |
| | | | | | | | | | 2 | 19.9 | 7.7 | 31.1 | 7.4 | 97.8 | 5.1 | 11.6 | | | | | | |
| | | | | | | | Bottom | 7.0 | 1 | 19.9 | 7.7 | 31.1 | 7.5 | 98.5 | 5.4 | 12.8 | | | | | | |
| | | | | | | | | | 2 | 19.9 | 7.7 | 31.1 | 7.5 | 98.7 | 5.4 | 13.2 | | | | | | |
| TCE-WQM2a | Fine | | | Moderate | 10:58 | 7.0 | Surface | 1.0 | 1 | 20.1 | 7.6 | 31.0 | 7.4 | 97.7 | 5.1 | 11.3 | 7.4 | 5.4 | 10.4 | | | |
| | | | | | | | | | 2 | 20.1 | 7.6 | 31.0 | 7.4 | 97.7 | 5.1 | 11.7 | | | | | | |
| | | | | | | | Middle | 3.5 | 1 | 20.1 | 7.7 | 31.0 | 7.4 | 97.6 | 5.6 | 10.7 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.7 | 31.0 | 7.4 | 97.7 | 6.0 | 10.2 | | | | | | |
| | | | | | | | Bottom | 6.0 | 1 | 20.1 | 7.7 | 31.0 | 7.5 | 98.7 | 5.4 | 9.6 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 7.7 | 31.0 | 7.5 | 99.1 | 4.9 | 9.1 | | | | | | |
| TCE-WQM2b | Fine | | | Moderate | 10:42 | 10.6 | Surface | 1.0 | 1 | 20.1 | 7.6 | 30.7 | 7.3 | 96.4 | 8.9 | 14.1 | 7.3 | 12.8 | 13.3 | | | |
| | | | | | | | | | 2 | 20.1 | 7.6 | 30.7 | 7.3 | 96.4 | 8.8 | 14.4 | | | | | | |
| | | | | | | | Middle | 5.3 | 1 | 20.2 | 7.6 | 30.7 | 7.2 | 95.3 | 13.2 | 13.8 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.6 | 30.7 | 7.2 | 95.4 | 12.6 | 13.9 | | | | | | |
| | | | | | | | Bottom | 9.6 | 1 | 20.2 | 7.6 | 30.7 | 7.2 | 95.2 | 17.0 | 11.9 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 7.6 | 30.7 | 7.2 | 95.2 | 16.5 | 11.4 | | | | | | |
| TCE-WQM3A | Fine | | | Calm | 11:11 | 3.7 | Surface | 1.0 | 1 | 20.0 | 7.6 | 31.0 | 7.3 | 95.9 | 3.9 | 7.9 | 7.3 | 4.9 | 8.5 | | | |
| | | | | | | | | | 2 | 20.0 | 7.6 | 31.0 | 7.3 | 95.9 | 3.9 | 7.6 | | | | | | |
| | | | | | | | Bottom | 2.7 | 1 | 20.0 | 7.6 | 31.0 | 7.3 | 96.6 | 5.9 | 9.2 | | | | | | |
| | | | | | | | | | 2 | 20.0 | 7.6 | 31.0 | 7.3 | 96.7 | 6.0 | 9.3 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.1 | 7.6 | 31.1 | 7.3 | 96.0 | 15.1 | 11.0 | | | | 7.3 | 15.4 | 12.2 |
| | | | | | | | | | 2 | 20.1 | 7.6 | 31.1 | 7.3 | 96.2 | 15.3 | 11.1 | | | | | | |
| Bottom | 2.3 | | | 1 | 20.1 | 7.6 | 31.1 | 7.3 | 96.2 | 15.7 | 13.2 | | | | | | | | | | | |
| | | | | 2 | 20.1 | 7.6 | 31.1 | 7.3 | 96.3 | 15.5 | 13.4 | | | | | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|------|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | |
| 17-01-20 | Mid-Ebb | TCE-C1 | Cloudy | Rough | 17:10 | 7.4 | Surface | 1.0 | 1 | 19.9 | 7.9 | 30.8 | 8.1 | 106.9 | 1.3 | 7.0 | 8.1 | 1.3 | 7.7 | | |
| | | | | | | | | | 2 | 19.9 | 7.9 | 30.8 | 8.1 | 106.8 | 1.4 | 7.4 | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 19.9 | 7.8 | 31.0 | 8.0 | 105.8 | 1.1 | 7.9 | | | | | |
| | | | | | | | | 2 | 19.9 | 7.8 | 31.0 | 8.0 | 105.8 | 1.1 | 7.5 | | | | | | |
| | | | | | | | Bottom | 6.4 | 1 | 19.9 | 7.9 | 31.3 | 8.0 | 105.7 | 1.5 | 8.5 | | | | | |
| | | | | | | | | 2 | 19.9 | 7.9 | 31.3 | 8.0 | 105.9 | 1.5 | 8.1 | | | | | | |
| | | TCE-C2 | Cloudy | Rough | 19:12 | 14.3 | Surface | 1.0 | 1 | 20.2 | 7.8 | 31.2 | 7.4 | 97.7 | 1.3 | 7.0 | 7.2 | 1.9 | 6.4 | | |
| | | | | | | | | | 2 | 20.2 | 7.8 | 31.2 | 7.4 | 97.5 | 1.3 | 6.7 | | | | | |
| | | | | | | | Middle | 7.2 | 1 | 20.2 | 7.9 | 32.1 | 7.1 | 94.5 | 1.8 | 7.1 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 32.1 | 7.1 | 94.4 | 1.8 | 6.8 | | | | | | |
| | | | | | | | Bottom | 13.3 | 1 | 20.1 | 7.9 | 32.5 | 7.2 | 96.0 | 2.6 | 5.5 | | | | | |
| | | | | | | | | 2 | 20.1 | 7.9 | 32.5 | 7.2 | 96.0 | 2.6 | 5.0 | | | | | | |
| | | TCE-WQM1 | Cloudy | Rough | 17:57 | 9.5 | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.3 | 7.7 | 101.7 | 6.0 | 10.9 | 7.7 | 7.2 | 12.1 | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 31.3 | 7.7 | 101.7 | 6.0 | 11.4 | | | | | |
| | | | | | | | Middle | 4.8 | 1 | 20.2 | 7.9 | 31.3 | 7.7 | 101.8 | 7.1 | 12.0 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 31.3 | 7.7 | 102.1 | 7.1 | 12.3 | | | | | | |
| | | | | | | | Bottom | 8.5 | 1 | 20.2 | 7.9 | 31.3 | 7.7 | 101.9 | 8.3 | 13.1 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 31.3 | 7.7 | 101.9 | 8.4 | 12.9 | | | | | | |
| | | TCE-WQM2a | Cloudy | Rough | 18:33 | 7.5 | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.1 | 7.3 | 97.2 | 2.0 | 7.4 | 7.3 | 3.7 | 8.2 | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 31.1 | 7.3 | 97.2 | 2.0 | 7.0 | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 20.2 | 7.9 | 31.2 | 7.2 | 95.4 | 3.6 | 7.8 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 31.2 | 7.2 | 95.4 | 3.7 | 8.1 | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 20.2 | 7.9 | 31.6 | 7.2 | 95.2 | 5.3 | 9.1 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 31.6 | 7.2 | 95.2 | 5.4 | 9.5 | | | | | | |
| | | TCE-WQM2b | Cloudy | Rough | 18:47 | 12.5 | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.0 | 7.4 | 98.4 | 1.4 | 9.6 | 7.4 | 1.2 | 8.8 | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 31.0 | 7.4 | 98.3 | 1.4 | 9.9 | | | | | |
| | | | | | | | Middle | 6.3 | 1 | 20.3 | 7.9 | 31.2 | 7.3 | 97.1 | 1.1 | 8.7 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.2 | 7.3 | 96.9 | 1.1 | 9.1 | | | | | | |
| | | | | | | | Bottom | 11.5 | 1 | 20.1 | 7.9 | 32.3 | 7.3 | 97.1 | 1.2 | 7.6 | | | | | |
| | | | | | | | | 2 | 20.1 | 8.0 | 32.3 | 7.4 | 98.1 | 1.1 | 8.1 | | | | | | |
| | | TCE-WQM3A | Cloudy | Rough | 18:21 | 3.8 | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.0 | 7.7 | 102.4 | 2.1 | 7.4 | 7.7 | 3.3 | 8.2 | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 31.0 | 7.7 | 102.4 | 2.2 | 7.1 | | | | | |
| | | | | | | | Bottom | 2.8 | 1 | 20.2 | 8.0 | 31.1 | 7.7 | 102.6 | 4.4 | 9.3 | | | | | |
| | | | | | | | | 2 | 20.2 | 8.0 | 31.1 | 7.8 | 102.8 | 4.4 | 9.1 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.3 | 7.9 | 31.2 | 7.8 | 103.9 | 4.1 | 9.5 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.2 | 7.8 | 104.0 | 4.0 | 9.1 | | | | | | |
| | | TCE-WQM4 | Cloudy | Rough | 18:09 | 3.7 | Surface | 1.0 | 1 | 20.3 | 7.9 | 31.3 | 8.0 | 106.0 | 3.4 | 11.8 | 7.8 | 3.7 | 10.4 | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 31.3 | 8.0 | 106.0 | 3.4 | 11.1 | | | | | |
| | | | | | | | Bottom | 2.7 | 1 | 20.3 | 7.9 | 31.3 | 8.0 | 106.0 | 3.4 | 11.1 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.3 | 8.0 | 106.0 | 3.4 | 11.1 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.0 | 7.9 | 30.5 | 7.7 | 101.2 | 4.1 | 9.7 | | | | | |
| | | | | | | | | 2 | 20.0 | 7.9 | 30.5 | 7.7 | 101.1 | 4.0 | 10.0 | | | | | | |
| | | 17-01-20 | Mid-Flood | TCE-C1 | Cloudy | Rough | 13:24 | 7.1 | Surface | 1.0 | 1 | 20.0 | 7.9 | 30.5 | 7.7 | 101.2 | 4.1 | 9.7 | 7.7 | 5.1 | 10.2 |
| | | | | | | | | | | | 2 | 20.0 | 7.9 | 30.5 | 7.7 | 101.1 | 4.0 | 10.0 | | | |
| | | | | | | | | | Middle | 3.6 | 1 | 20.0 | 7.9 | 30.7 | 7.8 | 102.2 | 5.2 | 10.3 | | | |
| | | | | | | | | | | 2 | 20.0 | 7.9 | 30.7 | 7.8 | 102.1 | 5.2 | 10.0 | | | | |
| | | | | | | | | | Bottom | 6.1 | 1 | 20.0 | 8.0 | 30.8 | 7.8 | 103.4 | 6.0 | 10.2 | | | |
| | | | | | | | | | | 2 | 20.0 | 8.0 | 30.8 | 7.8 | 103.3 | 6.1 | 10.7 | | | | |
| TCE-C2 | Cloudy | | | Rough | 11:03 | 12.3 | Surface | 1.0 | 1 | 20.3 | 7.7 | 31.1 | 7.3 | 97.2 | 1.4 | 6.2 | 7.3 | 1.9 | 6.1 | | |
| | | | | | | | | | 2 | 20.3 | 7.7 | 31.1 | 7.3 | 97.0 | 1.5 | 6.1 | | | | | |
| | | | | | | | Middle | 6.2 | 1 | 20.3 | 7.7 | 31.2 | 7.2 | 95.9 | 1.1 | 6.2 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.7 | 31.2 | 7.2 | 96.1 | 1.1 | 6.3 | | | | | | |
| | | | | | | | Bottom | 11.3 | 1 | 20.3 | 7.8 | 31.4 | 7.1 | 94.7 | 3.0 | 5.8 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.8 | 31.4 | 7.1 | 94.6 | 3.0 | 5.7 | | | | | | |
| TCE-WQM1 | Cloudy | | | Rough | 12:30 | 8.7 | Surface | 1.0 | 1 | 20.3 | 7.9 | 31.4 | 7.4 | 98.4 | 5.1 | 12.1 | 7.4 | 7.3 | 13.3 | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 31.4 | 7.4 | 98.4 | 5.1 | 12.4 | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 20.3 | 7.9 | 31.4 | 7.4 | 98.3 | 6.9 | 13.1 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.4 | 7.4 | 98.3 | 7.0 | 13.3 | | | | | | |
| | | | | | | | Bottom | 7.7 | 1 | 20.3 | 7.9 | 31.5 | 7.4 | 98.0 | 9.9 | 14.5 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.5 | 7.4 | 98.0 | 10.0 | 14.1 | | | | | | |
| TCE-WQM2a | Cloudy | | | Rough | 11:44 | 6.3 | Surface | 1.0 | 1 | 20.3 | 7.9 | 30.9 | 7.6 | 100.3 | 2.4 | 6.7 | 7.5 | 3.9 | 7.5 | | |
| | | | | | | | | | 2 | 20.3 | 7.9 | 30.9 | 7.6 | 100.3 | 2.4 | 7.1 | | | | | |
| | | | | | | | Middle | 3.2 | 1 | 20.3 | 7.9 | 31.0 | 7.5 | 99.2 | 3.9 | 7.6 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.0 | 7.5 | 99.3 | 3.9 | 7.3 | | | | | | |
| | | | | | | | Bottom | 5.3 | 1 | 20.3 | 7.9 | 31.0 | 7.5 | 99.9 | 5.2 | 7.9 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.0 | 7.5 | 100.0 | 5.3 | 8.1 | | | | | | |
| TCE-WQM2b | Cloudy | | | Rough | 11:29 | 11.2 | Surface | 1.0 | 1 | 20.3 | 7.8 | 30.9 | 7.3 | 97.0 | 2.5 | 9.4 | 7.3 | 4.9 | 9.5 | | |
| | | | | | | | | | 2 | 20.3 | 7.8 | 30.9 | 7.3 | 96.7 | 2.5 | 9.0 | | | | | |
| | | | | | | | Middle | 5.6 | 1 | 20.3 | 7.9 | 31.0 | 7.3 | 97.1 | 5.3 | 9.3 | | | | | |
| | | | | | | | | 2 | 20.3 | 7.9 | 31.0 | 7.3 | 97.2 | 5.3 | 9.5 | | | | | | |
| | | | | | | | Bottom | 10.2 | 1 | 20.3 | 8.0 | 31.0 | 7.4 | 98.2 | 6.9 | 9.7 | | | | | |
| | | | | | | | | 2 | 20.3 | 8.0 | 31.0 | 7.4 | 98.1 | 6.9 | 10.1 | | | | | | |
| TCE-WQM3A | Cloudy | | | Rough | 12:04 | 4.1 | Surface | 1.0 | 1 | 20.2 | 7.8 | 31.3 | 7.4 | 98.4 | 58.4 | 27.4 | 7.4 | 46.3 | 30.1 | | |
| | | | | | | | | | 2 | 20.2 | 7.8 | 31.3 | 7.4 | 98.5 | 55.7 | 27.9 | | | | | |
| | | | | | | | Bottom | 3.1 | 1 | 20.2 | 7.8 | 31.3 | 7.4 | 98.1 | 36.7 | 32.9 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.8 | 31.3 | 7.4 | 98.0 | 34.4 | 32.2 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.3 | 7.4 | 98.0 | 5.1 | 16.0 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 31.3 | 7.4 | 98.1 | 5.2 | 16.5 | | | | | | |
| TCE-WQM4 | Cloudy | | | Rough | 12:17 | 3.2 | Surface | 1.0 | 1 | 20.2 | 7.9 | 31.3 | 7.4 | 98.8 | 10.4 | 22.2 | 7.4 | 7.8 | 19.3 | | |
| | | | | | | | | | 2 | 20.2 | 7.9 | 31.3 | 7.4 | 98.5 | 10.5 | 22.5 | | | | | |
| | | | | | | | Bottom | 2.2 | 1 | 20.2 | 7.9 | 31.3 | 7.4 | 98.8 | 10.4 | 22.2 | | | | | |
| | | | | | | | | 2 | 20.2 | 7.9 | 31.3 | 7.4 | 98.5 | 10.5 | 22.5 | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | |
| 20-01-20 | Mid-Ebb | TCE-C1 | Sunny | Moderate | 10:56 | 7.5 | Surface | 1.0 | 1 | 18.1 | 7.9 | 33.4 | 8.8 | 113.4 | 3.6 | 7.0 | 8.8 | 5.1 | 8.2 | | |
| | | | | | | | | | 2 | 18.1 | 7.9 | 33.4 | 8.8 | 113.4 | 3.6 | 7.4 | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 18.1 | 7.9 | 33.4 | 8.8 | 113.0 | 5.6 | 7.9 | | | | | |
| | | | | | | | | 2 | 18.1 | 7.9 | 33.4 | 8.8 | 112.9 | 5.6 | 8.1 | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 18.0 | 7.9 | 33.4 | 8.7 | 111.6 | 6.1 | 9.4 | | | | | |
| | | | | | | | | 2 | 18.0 | 7.9 | 33.4 | 8.7 | 111.4 | 6.2 | 9.1 | | | | | | |
| | | TCE-C2 | Sunny | Moderate | 8:42 | 14.8 | Surface | 1.0 | 1 | 18.0 | 7.9 | 33.0 | 7.9 | 100.7 | 4.3 | 3.4 | 7.9 | 3.5 | 5.4 | | |
| | | | | | | | | | 2 | 18.0 | 7.9 | 33.0 | 7.9 | 100.7 | 4.3 | 3.3 | | | | | |
| | | | | | | | Middle | 7.4 | 1 | 18.3 | 8.0 | 33.2 | 7.8 | 100.4 | 3.4 | 5.5 | | | | | |
| | | | | | | | | 2 | 18.3 | 8.0 | 33.2 | 7.8 | 100.4 | 3.4 | 5.3 | | | | | | |
| | | | | | | | Bottom | 13.8 | 1 | 18.3 | 8.0 | 33.2 | 7.9 | 100.6 | 2.9 | 7.8 | | | | | |
| | | | | | | | | 2 | 18.3 | 8.0 | 33.2 | 7.9 | 100.6 | 2.8 | 7.2 | | | | | | |
| | | TCE-WQM1 | Sunny | Moderate | 9:55 | 11.3 | Surface | 1.0 | 1 | 18.3 | 7.9 | 31.9 | 8.4 | 106.7 | 3.4 | 6.3 | 8.3 | 3.8 | 6.7 | | |
| | | | | | | | | | 2 | 18.3 | 7.9 | 31.9 | 8.4 | 106.7 | 3.4 | 5.8 | | | | | |
| | | | | | | | Middle | 5.7 | 1 | 18.3 | 7.9 | 31.9 | 8.3 | 106.7 | 3.9 | 6.5 | | | | | |
| | | | | | | | | 2 | 18.3 | 7.9 | 31.9 | 8.3 | 106.7 | 3.9 | 6.2 | | | | | | |
| | | | | | | | Bottom | 10.3 | 1 | 18.2 | 7.9 | 31.9 | 8.4 | 106.8 | 4.2 | 7.7 | | | | | |
| | | | | | | | | 2 | 18.2 | 7.9 | 31.9 | 8.4 | 106.9 | 4.1 | 7.4 | | | | | | |
| | | TCE-WQM2a | Sunny | Moderate | 9:23 | 8.4 | Surface | 1.0 | 1 | 18.2 | 7.8 | 32.0 | 8.0 | 102.6 | 3.4 | 5.0 | 8.0 | 3.1 | 6.7 | | |
| | | | | | | | | | 2 | 18.2 | 7.8 | 32.0 | 8.0 | 102.6 | 3.4 | 5.2 | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 18.3 | 7.8 | 32.0 | 8.0 | 102.6 | 2.8 | 6.3 | | | | | |
| | | | | | | | | 2 | 18.3 | 7.8 | 32.0 | 8.0 | 102.7 | 2.9 | 6.7 | | | | | | |
| | | | | | | | Bottom | 7.4 | 1 | 18.2 | 7.9 | 33.2 | 8.2 | 103.7 | 3.2 | 8.3 | | | | | |
| | | | | | | | | 2 | 18.2 | 7.9 | 32.0 | 8.2 | 104.4 | 3.2 | 8.8 | | | | | | |
| | | TCE-WQM2b | Sunny | Moderate | 9:11 | 10.5 | Surface | 1.0 | 1 | 18.2 | 7.8 | 32.3 | 8.0 | 102.0 | 3.2 | 4.9 | 8.0 | 3.1 | 5.6 | | |
| | | | | | | | | | 2 | 18.2 | 7.8 | 32.3 | 8.0 | 102.0 | 3.2 | 4.8 | | | | | |
| | | | | | | | Middle | 5.3 | 1 | 18.3 | 7.9 | 32.3 | 8.0 | 101.8 | 3.0 | 5.6 | | | | | |
| | | | | | | | | 2 | 18.3 | 7.9 | 32.3 | 8.0 | 101.8 | 3.0 | 5.9 | | | | | | |
| | | | | | | | Bottom | 9.5 | 1 | 18.2 | 7.9 | 32.4 | 8.0 | 101.8 | 3.1 | 6.2 | | | | | |
| | | | | | | | | 2 | 18.2 | 7.9 | 32.4 | 8.0 | 101.9 | 3.1 | 6.4 | | | | | | |
| | | TCE-WQM3A | Sunny | Moderate | 9:34 | 4.8 | Surface | 1.0 | 1 | 18.3 | 7.9 | 31.8 | 7.9 | 100.7 | 3.3 | 5.3 | 7.9 | 3.1 | 5.6 | | |
| | | | | | | | | | 2 | 18.3 | 7.9 | 31.8 | 7.9 | 100.8 | 3.3 | 5.0 | | | | | |
| | | | | | | | Bottom | 3.8 | 1 | 18.2 | 7.9 | 31.7 | 8.2 | 103.2 | 3.0 | 6.4 | | | | | |
| | | | | | | | | 2 | 18.2 | 7.9 | 31.7 | 8.2 | 103.7 | 3.0 | 6.4 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 18.2 | 7.9 | 31.6 | 8.2 | 103.7 | 2.3 | 5.7 | | | | | |
| | | | | | | | | 2 | 18.2 | 7.9 | 31.6 | 8.2 | 103.8 | 2.4 | 6.0 | | | | | | |
| | | TCE-WQM4 | Sunny | Moderate | 9:44 | 3.8 | Surface | 1.0 | 1 | 18.1 | 8.0 | 31.6 | 8.3 | 105.0 | 2.9 | 6.3 | 8.2 | 2.6 | 6.1 | | |
| | | | | | | | | | 2 | 18.1 | 8.0 | 31.6 | 8.3 | 105.0 | 2.9 | 6.3 | | | | | |
| | | | | | | | Middle | 2.8 | 1 | 18.1 | 8.0 | 31.6 | 8.3 | 105.0 | 2.9 | 6.3 | | | | | |
| | | | | | | | | 2 | 18.1 | 8.0 | 31.6 | 8.3 | 105.1 | 2.9 | 6.3 | | | | | | |
| | | | | | | | Bottom | 2.8 | 1 | 18.1 | 8.0 | 31.6 | 8.3 | 105.0 | 2.9 | 6.3 | | | | | |
| | | | | | | | | 2 | 18.1 | 8.0 | 31.6 | 8.3 | 105.1 | 2.9 | 6.3 | | | | | | |
| | | 20-01-20 | Mid-Flood | TCE-C1 | Cloudy | Rough | 13:30 | 7.2 | Surface | 1.0 | 1 | 18.2 | 7.9 | 33.4 | 9.2 | 118.3 | 3.4 | 5.8 | 9.0 | 3.8 | 7.1 |
| | | | | | | | | | | | 2 | 18.2 | 8.0 | 33.4 | 9.2 | 118.3 | 3.4 | 5.1 | | | |
| | | | | | | | | | Middle | 3.6 | 1 | 18.1 | 8.0 | 33.4 | 8.9 | 114.4 | 3.6 | 7.8 | | | |
| | | | | | | | | | | 2 | 18.1 | 8.0 | 33.4 | 8.9 | 114.4 | 3.6 | 7.3 | | | | |
| | | | | | | | | | Bottom | 6.2 | 1 | 18.1 | 8.0 | 33.4 | 8.9 | 113.8 | 4.6 | 8.6 | | | |
| | | | | | | | | | | 2 | 18.1 | 8.0 | 33.4 | 8.9 | 113.8 | 4.5 | 8.2 | | | | |
| TCE-C2 | Cloudy | | | Rough | 15:48 | 13.8 | Surface | 1.0 | 1 | 18.6 | 8.0 | 33.1 | 8.0 | 103.6 | 1.8 | 5.0 | 7.9 | 2.0 | 6.2 | | |
| | | | | | | | | | 2 | 18.5 | 8.0 | 33.1 | 8.0 | 103.5 | 1.9 | 4.8 | | | | | |
| | | | | | | | Middle | 6.9 | 1 | 18.5 | 8.0 | 33.2 | 7.9 | 102.7 | 2.2 | 6.3 | | | | | |
| | | | | | | | | 2 | 18.5 | 8.0 | 33.2 | 7.9 | 102.7 | 2.2 | 6.7 | | | | | | |
| | | | | | | | Bottom | 12.8 | 1 | 18.5 | 7.9 | 33.1 | 7.9 | 103.2 | 1.9 | 7.1 | | | | | |
| | | | | | | | | 2 | 18.5 | 7.9 | 33.1 | 7.9 | 103.1 | 1.9 | 7.3 | | | | | | |
| TCE-WQM1 | Cloudy | | | Rough | 14:33 | 10.9 | Surface | 1.0 | 1 | 18.7 | 7.9 | 31.7 | 8.6 | 111.5 | 4.3 | 6.3 | 8.6 | 7.0 | 8.0 | | |
| | | | | | | | | | 2 | 18.8 | 7.9 | 31.7 | 8.6 | 111.1 | 4.3 | 6.1 | | | | | |
| | | | | | | | Middle | 5.5 | 1 | 18.6 | 7.9 | 31.8 | 8.5 | 109.6 | 7.5 | 8.0 | | | | | |
| | | | | | | | | 2 | 18.7 | 7.9 | 31.6 | 8.5 | 110.4 | 7.5 | 8.7 | | | | | | |
| | | | | | | | Bottom | 9.9 | 1 | 18.6 | 7.9 | 31.8 | 8.5 | 109.5 | 9.1 | 9.6 | | | | | |
| | | | | | | | | 2 | 18.6 | 7.9 | 31.8 | 8.5 | 109.3 | 9.1 | 9.4 | | | | | | |
| TCE-WQM2a | Cloudy | | | Rough | 15:12 | 7.9 | Surface | 1.0 | 1 | 18.7 | 7.9 | 32.3 | 8.0 | 104.3 | 3.6 | 5.2 | 8.0 | 2.9 | 5.8 | | |
| | | | | | | | | | 2 | 18.7 | 7.9 | 32.3 | 8.0 | 104.3 | 3.6 | 4.7 | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 18.7 | 7.9 | 32.3 | 8.0 | 104.2 | 2.4 | 5.7 | | | | | |
| | | | | | | | | 2 | 18.7 | 7.9 | 32.3 | 8.0 | 104.2 | 2.5 | 5.4 | | | | | | |
| | | | | | | | Bottom | 6.9 | 1 | 18.7 | 7.9 | 32.3 | 8.0 | 104.1 | 2.5 | 6.7 | | | | | |
| | | | | | | | | 2 | 18.7 | 7.9 | 32.3 | 8.0 | 104.1 | 2.5 | 6.8 | | | | | | |
| TCE-WQM2b | Cloudy | | | Rough | 15:25 | 11.4 | Surface | 1.0 | 1 | 18.6 | 8.0 | 32.5 | 8.1 | 105.4 | 1.7 | 4.8 | 8.1 | 1.7 | 6.6 | | |
| | | | | | | | | | 2 | 18.6 | 8.0 | 32.5 | 8.1 | 105.4 | 1.7 | 4.5 | | | | | |
| | | | | | | | Middle | 5.7 | 1 | 18.6 | 7.9 | 32.5 | 8.1 | 105.5 | 1.5 | 6.2 | | | | | |
| | | | | | | | | 2 | 18.6 | 7.9 | 32.5 | 8.1 | 105.5 | 1.5 | 5.9 | | | | | | |
| | | | | | | | Bottom | 10.4 | 1 | 18.6 | 7.9 | 32.6 | 8.1 | 104.9 | 1.9 | 8.8 | | | | | |
| | | | | | | | | 2 | 18.6 | 7.9 | 32.6 | 8.1 | 104.8 | 1.9 | 9.1 | | | | | | |
| TCE-WQM3A | Cloudy | | | Rough | 14:59 | 4.1 | Surface | 1.0 | 1 | 18.6 | 7.9 | 31.8 | 8.2 | 105.8 | 3.6 | 7.2 | 8.2 | 5.0 | 8.3 | | |
| | | | | | | | | | 2 | 18.6 | 7.9 | 31.8 | 8.2 | 105.8 | 3.6 | 7.2 | | | | | |
| | | | | | | | Middle | 3.1 | 1 | 18.7 | 7.9 | 31.8 | 8.1 | 105.3 | 6.4 | 9.4 | | | | | |
| | | | | | | | | 2 | 18.7 | 7.9 | 31.8 | 8.1 | 105.2 | 6.4 | 9.7 | | | | | | |
| | | | | | | | Bottom | 2.9 | 1 | 18.5 | 7.9 | 31.8 | 8.1 | 104.6 | 9.3 | 12.3 | | | | | |
| | | | | | | | | 2 | 18.5 | 7.9 | 31.8 | 8.1 | 104.6 | 9.3 | 12.7 | | | | | | |
| TCE-WQM4 | Cloudy | | | Rough | 14:47 | 3.9 | Surface | 1.0 | 1 | 18.5 | 7.9 | 31.8 | 8.1 | 104.6 | 9.3 | 12.3 | 8.1 | 10.4 | 14.4 | | |
| | | | | | | | | | 2 | 18.5 | 7.9 | 31.8 | 8.1 | 104.6 | 9.3 | 12.7 | | | | | |
| | | | | | | | Middle | 2.9 | 1 | 18.5 | 7.9 | 31.8 | 8.1 | 104.1 | 11.5 | 16.6 | | | | | |
| | | | | | | | | 2 | 18.5 | 7.9 | 31.8 | 8.1 | 104.1 | 11.5 | 16.0 | | | | | | |
| | | | | | | | Bottom | 2.9 | 1 | 18.5 | 7.9 | 31.8 | 8.1 | 104.1 | 11.5 | 16.6 | | | | | |
| | | | | | | | | 2 | 18.5 | 7.9 | 31.8 | 8.1 | 104.1 | 11.5 | 16.0 | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | |
| 22-01-20 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 12:14 | 8.4 | Surface | 1.0 | 1 | 19.6 | 8.2 | 33.5 | 8.2 | 109.6 | 3.0 | 6.0 | 8.2 | 3.7 | 6.9 | | | |
| | | | | | | | | | 2 | 19.6 | 8.2 | 33.5 | 8.3 | 109.7 | 3.2 | 5.0 | | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 19.3 | 8.2 | 33.5 | 8.2 | 108.2 | 3.8 | 6.8 | | | | | | |
| | | | | | | | | 2 | 19.3 | 8.2 | 33.5 | 8.1 | 107.7 | 3.9 | 7.8 | | | | | | | |
| | | | | | | | Bottom | 7.4 | 1 | 19.3 | 8.1 | 33.5 | 8.1 | 107.4 | 4.2 | 8.3 | | | | | | |
| | | | | | | | | 2 | 19.3 | 8.1 | 33.5 | 8.1 | 107.3 | 4.2 | 7.3 | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 10:15 | 12.7 | Surface | 1.0 | 1 | 19.8 | 7.7 | 33.1 | 7.3 | 96.7 | 2.1 | 5.7 | 7.1 | 2.4 | 5.8 | | | |
| | | | | | | | | | 2 | 19.8 | 7.7 | 33.1 | 7.2 | 96.1 | 2.1 | 5.4 | | | | | | |
| | | | | | | | Middle | 6.4 | 1 | 19.7 | 7.7 | 33.3 | 7.1 | 93.9 | 2.5 | 5.5 | | | | | | |
| | | | | | | | | 2 | 19.7 | 7.7 | 33.3 | 7.0 | 93.7 | 2.5 | 5.0 | | | | | | | |
| | | | | | | | Bottom | 11.7 | 1 | 19.7 | 7.7 | 33.3 | 7.0 | 93.3 | 2.6 | 6.9 | | | | | | |
| | | | | | | | | 2 | 19.7 | 7.7 | 33.3 | 7.0 | 93.4 | 2.7 | 6.2 | | | | | | | |
| | | TCE-WQM1 | Cloudy | Calm | 11:31 | 8.0 | Surface | 1.0 | 1 | 19.7 | 8.0 | 32.4 | 8.2 | 108.8 | 3.1 | 7.1 | 8.2 | 3.3 | 6.8 | | | |
| | | | | | | | | | 2 | 19.7 | 8.0 | 32.4 | 8.2 | 108.6 | 3.3 | 8.0 | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 19.7 | 8.0 | 32.5 | 8.1 | 107.7 | 3.4 | 7.0 | | | | | | |
| | | | | | | | | 2 | 19.7 | 8.0 | 32.5 | 8.1 | 107.7 | 3.4 | 7.7 | | | | | | | |
| | | | | | | | Bottom | 7.0 | 1 | 19.7 | 8.0 | 32.5 | 8.1 | 107.2 | 3.4 | 6.0 | | | | | | |
| | | | | | | | | 2 | 19.7 | 8.0 | 32.5 | 8.1 | 107.6 | 3.3 | 5.1 | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 10:56 | 7.3 | Surface | 1.0 | 1 | 19.8 | 7.9 | 32.5 | 7.7 | 102.7 | 2.9 | 4.0 | 7.7 | 3.4 | 6.3 | | | |
| | | | | | | | | | 2 | 19.8 | 7.9 | 32.5 | 7.7 | 102.7 | 2.9 | 4.9 | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 19.8 | 7.9 | 32.6 | 7.7 | 102.0 | 3.4 | 7.5 | | | | | | |
| | | | | | | | | 2 | 19.8 | 7.9 | 32.6 | 7.7 | 102.1 | 3.4 | 6.6 | | | | | | | |
| | | | | | | | Bottom | 6.3 | 1 | 19.7 | 7.9 | 32.6 | 7.6 | 100.5 | 3.9 | 7.9 | | | | | | |
| | | | | | | | | 2 | 19.7 | 7.9 | 32.6 | 7.6 | 101.0 | 3.9 | 6.9 | | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 10:45 | 10.8 | Surface | 1.0 | 1 | 19.9 | 7.9 | 32.7 | 7.9 | 105.7 | 2.6 | 6.5 | 7.8 | 2.9 | 6.4 | | | |
| | | | | | | | | | 2 | 19.9 | 7.9 | 32.7 | 7.9 | 105.7 | 2.6 | 6.5 | | | | | | |
| | | | | | | | Middle | 5.4 | 1 | 19.7 | 7.9 | 32.6 | 7.7 | 102.4 | 3.0 | 6.0 | | | | | | |
| | | | | | | | | 2 | 19.7 | 7.9 | 32.6 | 7.7 | 102.2 | 3.0 | 6.2 | | | | | | | |
| | | | | | | | Bottom | 9.8 | 1 | 19.7 | 7.9 | 32.6 | 7.7 | 102.4 | 3.2 | 6.1 | | | | | | |
| | | | | | | | | 2 | 19.7 | 7.9 | 32.6 | 7.8 | 102.7 | 3.2 | 7.0 | | | | | | | |
| | | TCE-WQM3A | Cloudy | Calm | 11:07 | 3.8 | Surface | 1.0 | 1 | 19.9 | 7.9 | 32.5 | 7.5 | 99.0 | 2.1 | 5.0 | 7.5 | 3.5 | 5.5 | | | |
| | | | | | | | | | 2 | 19.9 | 7.9 | 32.5 | 7.5 | 99.1 | 2.2 | 5.9 | | | | | | |
| | | | | | | | Bottom | 2.8 | 1 | 19.9 | 7.9 | 32.6 | 7.5 | 99.3 | 4.8 | 5.1 | | | | | | |
| | | | | | | | | 2 | 19.9 | 7.9 | 32.6 | 7.5 | 99.4 | 4.8 | 6.0 | | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.1 | 8.1 | 32.3 | 8.1 | 108.3 | 2.4 | 5.1 | | | | 8.1 | 2.5 | 6.8 |
| | | | | | | | | | 2 | 20.1 | 8.1 | 32.3 | 8.1 | 107.9 | 2.4 | 6.0 | | | | | | |
| | | Middle | 2.3 | 1 | 20.0 | 8.1 | 32.3 | 8.0 | 106.6 | 2.4 | 7.7 | | | | | | | | | | | |
| | | | 2 | 20.0 | 8.1 | 32.3 | 8.0 | 106.6 | 2.7 | 8.5 | | | | | | | | | | | | |
| | | Bottom | 2.3 | 1 | 20.0 | 8.1 | 32.3 | 8.0 | 106.6 | 2.7 | 8.5 | | | | | | | | | | | |
| | | | 2 | 20.0 | 8.1 | 32.3 | 8.0 | 106.6 | 2.7 | 8.5 | | | | | | | | | | | | |
| | | 22-01-20 | Mid-Flood | TCE-C1 | Cloudy | Moderate | 15:01 | 8.2 | Surface | 1.0 | 1 | 19.9 | 8.3 | 33.1 | 9.2 | 123.3 | 2.5 | 5.8 | 8.9 | 4.2 | 5.9 | |
| | | | | | | | | | | | 2 | 19.9 | 8.3 | 33.1 | 9.2 | 123.1 | 2.6 | 5.6 | | | | |
| | | | | | | | | | Middle | 4.1 | 1 | 19.4 | 8.2 | 33.5 | 8.6 | 113.5 | 4.1 | 6.3 | | | | |
| | | | | | | | | | | 2 | 19.4 | 8.2 | 33.5 | 8.6 | 113.5 | 4.3 | 5.9 | | | | | |
| | | | | | | | | | Bottom | 7.2 | 1 | 19.4 | 8.2 | 33.5 | 8.3 | 109.5 | 5.6 | 5.4 | | | | |
| | | | | | | | | | | 2 | 19.4 | 8.2 | 33.5 | 8.2 | 108.7 | 6.1 | 6.4 | | | | | |
| | | | | TCE-C2 | Cloudy | Moderate | 17:04 | 12.9 | Surface | 1.0 | 1 | 20.1 | 8.1 | 32.9 | 7.7 | 102.6 | 1.6 | 4.8 | 7.5 | 4.6 | 4.5 | |
| | | | | | | | | | | | 2 | 20.1 | 8.1 | 32.9 | 7.7 | 102.3 | 1.6 | 4.0 | | | | |
| Middle | 6.5 | | | | | | | | 1 | 19.9 | 8.1 | 33.0 | 7.4 | 98.2 | 4.6 | 4.7 | | | | | | |
| | 2 | | | | | | | | 19.9 | 8.1 | 33.0 | 7.4 | 98.3 | 5.0 | 4.2 | | | | | | | |
| Bottom | 11.9 | | | | | | | | 1 | 19.9 | 8.1 | 33.1 | 7.4 | 98.2 | 7.4 | 4.9 | | | | | | |
| | 2 | | | | | | | | 19.9 | 8.1 | 33.0 | 7.4 | 98.2 | 7.5 | 4.1 | | | | | | | |
| TCE-WQM1 | Cloudy | | | Calm | 15:44 | 8.1 | Surface | 1.0 | 1 | 20.5 | 8.1 | 32.3 | 8.8 | 118.5 | 2.9 | 6.4 | 8.7 | 4.5 | 5.1 | | | |
| | | | | | | | | | 2 | 20.4 | 8.1 | 32.3 | 8.8 | 118.0 | 3.1 | 5.5 | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 19.9 | 8.1 | 32.5 | 8.7 | 115.2 | 4.8 | 4.7 | | | | | | |
| | | | | | | | | 2 | 19.9 | 8.1 | 32.5 | 8.7 | 115.0 | 4.9 | 4.5 | | | | | | | |
| | | | | | | | Bottom | 7.1 | 1 | 19.7 | 8.1 | 32.8 | 8.6 | 114.2 | 6.1 | 5.3 | | | | | | |
| | | | | | | | | 2 | 19.7 | 8.1 | 32.8 | 8.7 | 114.8 | 4.9 | 4.3 | | | | | | | |
| TCE-WQM2a | Cloudy | | | Moderate | 16:22 | 7.5 | Surface | 1.0 | 1 | 20.1 | 8.2 | 32.5 | 8.4 | 112.0 | 3.3 | 10.4 | 8.3 | 4.4 | 9.2 | | | |
| | | | | | | | | | 2 | 20.1 | 8.2 | 32.5 | 8.4 | 112.0 | 3.3 | 11.3 | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 19.8 | 8.1 | 32.5 | 8.2 | 108.6 | 4.8 | 8.4 | | | | | | |
| | | | | | | | | 2 | 19.8 | 8.1 | 32.5 | 8.2 | 108.5 | 4.7 | 9.0 | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 19.8 | 8.2 | 32.5 | 8.0 | 106.7 | 5.3 | 7.6 | | | | | | |
| | | | | | | | | 2 | 19.8 | 8.2 | 32.5 | 8.0 | 106.1 | 4.9 | 8.5 | | | | | | | |
| TCE-WQM2b | Cloudy | | | Moderate | 16:34 | 11.0 | Surface | 1.0 | 1 | 20.2 | 8.1 | 32.5 | 8.4 | 112.0 | 2.3 | 7.3 | 8.3 | 3.1 | 6.7 | | | |
| | | | | | | | | | 2 | 20.2 | 8.1 | 32.5 | 8.4 | 111.8 | 2.3 | 6.9 | | | | | | |
| | | | | | | | Middle | 5.5 | 1 | 20.1 | 8.1 | 32.5 | 8.2 | 109.3 | 3.1 | 7.2 | | | | | | |
| | | | | | | | | 2 | 20.1 | 8.1 | 32.5 | 8.2 | 109.2 | 3.1 | 7.0 | | | | | | | |
| | | | | | | | Bottom | 10.0 | 1 | 20.0 | 8.1 | 32.6 | 8.0 | 107.0 | 4.0 | 6.1 | | | | | | |
| | | | | | | | | 2 | 20.0 | 8.1 | 32.6 | 8.0 | 107.2 | 4.0 | 5.8 | | | | | | | |
| TCE-WQM3A | Cloudy | | | Calm | 16:11 | 4.0 | Surface | 1.0 | 1 | 20.4 | 8.1 | 32.4 | 8.2 | 110.3 | 1.8 | 5.1 | 8.2 | 2.6 | 5.4 | | | |
| | | | | | | | | | 2 | 20.4 | 8.1 | 32.4 | 8.2 | 110.1 | 1.8 | 4.1 | | | | | | |
| | | | | | | | Middle | 3.0 | 1 | 20.2 | 8.1 | 32.4 | 7.9 | 105.0 | 3.3 | 6.7 | | | | | | |
| | | | | | | | | 2 | 20.2 | 8.1 | 32.4 | 7.8 | 104.8 | 3.3 | 5.8 | | | | | | | |
| | | | | | | | Bottom | 1.0 | 1 | 20.0 | 8.1 | 32.4 | 8.0 | 106.5 | 6.0 | 11.6 | | | | | | |
| | | | | | | | | 2 | 20.0 | 8.1 | 32.4 | 8.0 | 106.4 | 6.0 | 12.8 | | | | | | | |
| TCE-WQM4 | Cloudy | | | Calm | 15:59 | 3.2 | Surface | 1.0 | 1 | 20.0 | 8.1 | 32.4 | 8.0 | 106.5 | 6.0 | 11.6 | 8.0 | 6.2 | 11.4 | | | |
| | | | | | | | | | 2 | 20.0 | 8.1 | 32.4 | 8.0 | 106.4 | 6.0 | 12.8 | | | | | | |
| | | | | | | | Middle | 2.2 | 1 | 20.0 | 8.1 | 32.4 | 7.9 | 105.4 | 6.3 | 10.3 | | | | | | |
| | | | | | | | | 2 | 20.0 | 8.1 | 32.4 | 7.9 | 105.1 | 6.3 | 11.0 | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-----|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-----|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | |
| 24-01-20 | Mid-Ebb | TCE-C1 | Fine | Moderate | 11:24 | 7.8 | Surface | 1.0 | 1 | 20.2 | 8.4 | 29.7 | 9.8 | 128.4 | 3.9 | 7.3 | 9.3 | 5.3 | 6.3 | | | |
| | | | | | | | | | 2 | 20.1 | 8.4 | 29.7 | 9.8 | 128.3 | 3.9 | 8.2 | | | | | | |
| | | | | | | | Middle | 3.9 | 1 | 19.9 | 8.4 | 30.3 | 8.8 | 116.0 | 4.6 | 6.3 | | | | | | |
| | | | | | | | | | 2 | 19.9 | 8.4 | 30.3 | 8.8 | 115.7 | 4.6 | 6.5 | | | | | | |
| | | | | | | | Bottom | 6.8 | 1 | 19.8 | 8.4 | 31.0 | 8.5 | 111.2 | 7.5 | 5.2 | | | | | | |
| | | | | | | | | | 2 | 19.8 | 8.4 | 31.0 | 8.4 | 111.0 | 7.4 | 4.2 | | | | | | |
| | | TCE-C2 | Fine | Moderate | 13:41 | 12.0 | Surface | 1.0 | 1 | 20.5 | 8.3 | 31.1 | 8.7 | 115.4 | 2.3 | 3.9 | 8.1 | 2.2 | 4.5 | | | |
| | | | | | | | | | 2 | 20.4 | 8.3 | 31.1 | 8.6 | 115.0 | 2.3 | 3.4 | | | | | | |
| | | | | | | | Middle | 6.0 | 1 | 20.0 | 8.3 | 31.6 | 7.6 | 100.8 | 2.2 | 4.3 | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.3 | 31.6 | 7.6 | 100.7 | 2.1 | 4.1 | | | | | | |
| | | | | | | | Bottom | 11.0 | 1 | 20.0 | 8.3 | 31.6 | 7.6 | 100.3 | 2.2 | 6.0 | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.3 | 31.6 | 7.6 | 100.4 | 2.2 | 5.2 | | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 12:06 | 9.0 | Surface | 1.0 | 1 | 20.3 | 8.4 | 30.9 | 8.8 | 117.5 | 4.0 | 7.4 | 8.8 | 4.4 | 7.3 | | | |
| | | | | | | | | | 2 | 20.3 | 8.4 | 30.9 | 8.8 | 117.3 | 4.2 | 6.4 | | | | | | |
| | | | | | | | Middle | 4.5 | 1 | 20.4 | 8.4 | 30.9 | 8.7 | 116.0 | 4.6 | 7.6 | | | | | | |
| | | | | | | | | | 2 | 20.4 | 8.4 | 30.9 | 8.7 | 115.9 | 4.7 | 6.7 | | | | | | |
| | | | | | | | Bottom | 8.0 | 1 | 20.4 | 8.4 | 30.9 | 8.7 | 115.3 | 4.5 | 8.1 | | | | | | |
| | | | | | | | | | 2 | 20.4 | 8.4 | 30.9 | 8.7 | 115.1 | 4.6 | 7.3 | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 13:07 | 7.3 | Surface | 1.0 | 1 | 20.4 | 8.4 | 30.6 | 9.2 | 122.6 | 3.3 | 5.1 | 9.0 | 6.7 | 4.6 | | | |
| | | | | | | | | | 2 | 20.4 | 8.4 | 30.6 | 9.2 | 122.6 | 3.3 | 4.9 | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 20.3 | 8.4 | 30.7 | 8.9 | 117.2 | 3.7 | 4.5 | | | | | | |
| | | | | | | | | | 2 | 20.3 | 8.4 | 30.7 | 8.8 | 116.5 | 8.2 | 4.4 | | | | | | |
| | | | | | | | Bottom | 6.3 | 1 | 20.2 | 8.4 | 30.8 | 8.4 | 111.3 | 8.0 | 4.0 | | | | | | |
| | | | | | | | | | 2 | 20.2 | 8.4 | 30.8 | 8.4 | 111.0 | 8.8 | 4.6 | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 13:17 | 10.5 | Surface | 1.0 | 1 | 20.3 | 8.4 | 30.5 | 9.0 | 119.0 | 2.8 | 4.5 | 8.5 | 2.9 | 5.9 | | | |
| | | | | | | | | | 2 | 20.3 | 8.4 | 30.6 | 9.0 | 118.6 | 2.9 | 5.5 | | | | | | |
| | | | | | | | Middle | 5.3 | 1 | 20.1 | 8.3 | 31.1 | 8.1 | 106.6 | 2.9 | 5.0 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.3 | 31.1 | 8.1 | 106.7 | 2.9 | 5.8 | | | | | | |
| | | | | | | | Bottom | 9.5 | 1 | 20.0 | 8.3 | 31.3 | 7.8 | 103.3 | 2.8 | 6.9 | | | | | | |
| | | | | | | | | | 2 | 20.0 | 8.3 | 31.3 | 7.8 | 103.5 | 2.9 | 7.9 | | | | | | |
| | | TCE-WQM3A | Fine | Calm | 12:55 | 3.2 | Surface | 1.0 | 1 | 20.6 | 8.5 | 30.5 | 9.5 | 126.3 | 2.8 | 5.6 | 9.5 | 2.9 | 5.2 | | | |
| | | | | | | | | | 2 | 20.6 | 8.5 | 30.5 | 9.5 | 126.0 | 2.9 | 6.5 | | | | | | |
| | | | | | | | Bottom | 2.2 | 1 | 20.6 | 8.5 | 30.5 | 9.3 | 123.5 | 3.1 | 3.8 | | | | | | |
| | | | | | | | | | 2 | 20.6 | 8.5 | 30.5 | 9.2 | 122.8 | 3.1 | 4.7 | | | | | | |
| | | | | | | | Surface | 1.0 | 1 | 20.7 | 8.5 | 31.0 | 9.4 | 125.3 | 3.0 | 6.4 | | | | 9.4 | 3.1 | 6.1 |
| | | | | | | | | | 2 | 20.7 | 8.5 | 31.0 | 9.3 | 124.9 | 3.1 | 6.6 | | | | | | |
| | | Bottom | 2.4 | 1 | 20.6 | 8.5 | 31.0 | 9.2 | 123.1 | 3.2 | 5.2 | | | | | | | | | | | |
| | | | | 2 | 20.6 | 8.5 | 31.0 | 9.2 | 122.7 | 3.2 | 6.1 | | | | | | | | | | | |
| | | Surface | 1.0 | 1 | 20.1 | 8.4 | 29.6 | 9.4 | 122.8 | 4.9 | 7.7 | 9.2 | 6.7 | 7.3 | | | | | | | | |
| | | | | 2 | 20.0 | 8.4 | 29.6 | 9.4 | 122.5 | 5.0 | 6.7 | | | | | | | | | | | |
| | | Middle | 3.8 | 1 | 20.0 | 8.4 | 30.0 | 9.1 | 119.2 | 6.2 | 6.5 | | | | | | | | | | | |
| | | | | 2 | 20.0 | 8.4 | 30.0 | 9.1 | 118.9 | 6.4 | 7.7 | | | | | | | | | | | |
| | | Bottom | 6.6 | 1 | 19.8 | 8.4 | 30.9 | 8.8 | 115.0 | 8.7 | 7.6 | | | | | | | | | | | |
| | | | | 2 | 19.8 | 8.4 | 30.9 | 8.7 | 115.0 | 8.8 | 7.6 | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Calm | 7:30 | 11.2 | Surface | 1.0 | 1 | 20.2 | 8.2 | 30.5 | 8.5 | 111.8 | 3.4 | 3.3 | 8.4 | 4.7 | 3.5 | | | |
| | | | | | | | | | 2 | 20.1 | 8.2 | 30.5 | 8.5 | 111.6 | 3.5 | 2.5 | | | | | | |
| | | | | | | | Middle | 5.6 | 1 | 20.1 | 8.2 | 30.9 | 8.3 | 110.0 | 4.4 | 3.8 | | | | | | |
| | | | | | | | | | 2 | 20.1 | 8.2 | 30.9 | 8.3 | 109.8 | 4.7 | 3.4 | | | | | | |
| Bottom | 10.2 | | | | | | 1 | 20.1 | 8.2 | 31.0 | 8.2 | 108.1 | 6.0 | 3.5 | | | | | | | | |
| | | | | | | | 2 | 20.1 | 8.2 | 31.0 | 8.2 | 108.0 | 6.1 | 4.5 | | | | | | | | |
| TCE-WQM1 | Cloudy | Moderate | 8:34 | 8.5 | Surface | 1.0 | 1 | 20.3 | 8.4 | 31.1 | 8.6 | 114.8 | 3.8 | 8.6 | 8.6 | 4.3 | 7.7 | | | | | |
| | | | | | | | 2 | 20.3 | 8.4 | 31.1 | 8.6 | 114.1 | 4.2 | 7.6 | | | | | | | | |
| | | | | | Middle | 4.3 | 1 | 20.3 | 8.4 | 31.1 | 8.6 | 114.0 | 4.3 | 7.1 | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.4 | 31.1 | 8.4 | 112.2 | 4.8 | 7.3 | | | | | | | | |
| | | | | | Bottom | 7.5 | 1 | 20.3 | 8.4 | 31.1 | 8.4 | 111.8 | 4.8 | 7.5 | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.4 | 31.1 | 8.4 | 111.8 | 4.8 | 7.5 | | | | | | | | |
| TCE-WQM2a | Cloudy | Moderate | 8:04 | 7.0 | Surface | 1.0 | 1 | 20.2 | 8.3 | 30.4 | 8.8 | 115.9 | 3.4 | 6.3 | 8.7 | 6.0 | 6.3 | | | | | |
| | | | | | | | 2 | 20.2 | 8.3 | 30.4 | 8.8 | 115.9 | 3.4 | 5.4 | | | | | | | | |
| | | | | | Middle | 3.5 | 1 | 20.2 | 8.3 | 30.6 | 8.6 | 114.3 | 5.1 | 6.7 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 8.3 | 30.6 | 8.6 | 114.0 | 6.5 | 6.4 | | | | | | | | |
| | | | | | Bottom | 6.0 | 1 | 20.3 | 8.3 | 30.7 | 8.5 | 112.1 | 8.7 | 7.0 | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.3 | 30.7 | 8.5 | 111.9 | 9.3 | 6.1 | | | | | | | | |
| TCE-WQM2b | Cloudy | Moderate | 7:53 | 10.3 | Surface | 1.0 | 1 | 20.2 | 8.3 | 30.4 | 8.4 | 111.2 | 3.6 | 4.1 | 8.4 | 4.6 | 5.9 | | | | | |
| | | | | | | | 2 | 20.2 | 8.3 | 30.4 | 8.4 | 111.3 | 3.8 | 5.1 | | | | | | | | |
| | | | | | Middle | 5.2 | 1 | 20.2 | 8.3 | 30.5 | 8.5 | 111.6 | 4.9 | 6.3 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 8.3 | 30.5 | 8.5 | 111.6 | 5.0 | 6.3 | | | | | | | | |
| | | | | | Bottom | 9.3 | 1 | 20.2 | 8.3 | 30.5 | 8.4 | 111.0 | 5.2 | 6.6 | | | | | | | | |
| | | | | | | | 2 | 20.2 | 8.3 | 30.5 | 8.4 | 110.9 | 5.0 | 7.0 | | | | | | | | |
| TCE-WQM3A | Cloudy | Calm | 8:15 | 3.1 | Surface | 1.0 | 1 | 20.2 | 8.3 | 31.0 | 8.4 | 111.2 | 3.1 | 3.9 | 8.4 | 3.2 | 4.6 | | | | | |
| | | | | | | | 2 | 20.2 | 8.3 | 31.0 | 8.4 | 110.7 | 3.2 | 2.9 | | | | | | | | |
| | | | | | Bottom | 2.1 | 1 | 20.3 | 8.3 | 31.0 | 8.3 | 109.5 | 3.2 | 5.0 | | | | | | | | |
| | | | | | | | 2 | 20.3 | 8.3 | 30.9 | 8.2 | 109.2 | 3.2 | 5.4 | | | | | | | | |
| | | | | | Surface | 1.0 | 1 | 20.2 | 8.4 | 30.9 | 8.7 | 115.1 | 9.9 | 4.8 | | | | 8.7 | 10.0 | 7.1 | | |
| | | | | | | | 2 | 20.2 | 8.4 | 30.9 | 8.7 | 115.0 | 9.5 | 5.3 | | | | | | | | |
| Bottom | 2.2 | 1 | 20.3 | 8.4 | 30.9 | 8.6 | 114.1 | 10.3 | 8.7 | | | | | | | | | | | | | |
| | | 2 | 20.3 | 8.4 | 30.9 | 8.6 | 114.0 | 10.3 | 9.7 | | | | | | | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-------|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|-------|------|-----|-----|-----|-----|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | | | | |
| 27-01-20 | Mid-Ebb | TCE-C1 | Cloudy | Rough | 13:06 | 8.9 | Surface | 1.0 | 1 | 19.1 | 8.4 | 30.9 | 8.3 | 108.2 | 4.3 | 5.6 | 8.3 | 7.2 | 6.9 | | | | | | |
| | | | | | | | | | 2 | 19.1 | 8.3 | 30.9 | 8.3 | 108.2 | 4.2 | 6.4 | | | | | | | | | |
| | | | | | | | Middle | 4.5 | 1 | 19.1 | 8.3 | 31.0 | 8.2 | 106.7 | 4.1 | 5.5 | | | | | | | | | |
| | | | | | | | | 2 | 19.1 | 8.3 | 31.0 | 8.2 | 106.6 | 4.2 | 6.5 | | | | | | | | | | |
| | | | | | | | Bottom | 7.9 | 1 | 19.4 | 8.3 | 31.9 | 7.7 | 100.7 | 11.2 | 8.2 | | | | | | | | | |
| | | | | | | | | 2 | 19.4 | 8.3 | 32.0 | 7.7 | 100.7 | 15.1 | 9.1 | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 15:04 | 13.8 | Surface | 1.0 | 1 | 19.7 | 8.3 | 31.4 | 7.9 | 103.9 | 2.0 | 5.4 | 7.5 | 2.5 | 4.7 | | | | | | |
| | | | | | | | | | 2 | 19.7 | 8.3 | 31.4 | 7.9 | 103.9 | 2.0 | 4.7 | | | | | | | | | |
| | | | | | | | Middle | 6.9 | 1 | 19.9 | 8.3 | 31.9 | 7.2 | 95.3 | 2.3 | 4.8 | | | | | | | | | |
| | | | | | | | | 2 | 19.9 | 8.3 | 31.9 | 7.2 | 95.3 | 2.3 | 5.1 | | | | | | | | | | |
| | | | | | | | Bottom | 12.8 | 1 | 19.8 | 8.3 | 32.0 | 7.2 | 94.7 | 3.1 | 4.3 | | | | | | | | | |
| | | | | | | | | 2 | 19.8 | 8.3 | 32.0 | 7.2 | 94.7 | 3.1 | 3.9 | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Moderate | 13:48 | 8.1 | Surface | 1.0 | 1 | 19.3 | 8.4 | 30.4 | 8.0 | 104.3 | 4.6 | 6.5 | 8.0 | 4.5 | 6.3 | | | | | | |
| | | | | | | | | | 2 | 19.3 | 8.4 | 30.4 | 8.0 | 104.3 | 4.6 | 5.9 | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 19.3 | 8.4 | 30.4 | 8.0 | 103.9 | 4.5 | 6.5 | | | | | | | | | |
| | | | | | | | | 2 | 19.3 | 8.4 | 30.4 | 8.0 | 103.9 | 4.5 | 6.8 | | | | | | | | | | |
| | | | | | | | Bottom | 7.1 | 1 | 19.3 | 8.4 | 30.4 | 8.0 | 103.6 | 4.6 | 5.6 | | | | | | | | | |
| | | | | | | | | 2 | 19.3 | 8.4 | 30.4 | 8.0 | 103.5 | 4.4 | 6.4 | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 14:23 | 7.0 | Surface | 1.0 | 1 | 19.6 | 8.4 | 30.8 | 7.9 | 103.2 | 3.1 | 5.0 | 7.8 | 5.0 | 5.1 | | | | | | |
| | | | | | | | | | 2 | 19.6 | 8.4 | 30.8 | 7.9 | 103.2 | 3.1 | 4.1 | | | | | | | | | |
| | | | | | | | Middle | 3.5 | 1 | 19.6 | 8.3 | 30.8 | 7.8 | 102.1 | 3.2 | 4.6 | | | | | | | | | |
| | | | | | | | | 2 | 19.6 | 8.3 | 30.8 | 7.8 | 102.0 | 3.3 | 5.4 | | | | | | | | | | |
| | | | | | | | Bottom | 6.0 | 1 | 19.9 | 8.3 | 31.4 | 7.3 | 96.7 | 8.5 | 5.5 | | | | | | | | | |
| | | | | | | | | 2 | 19.9 | 8.3 | 31.4 | 7.3 | 96.7 | 9.0 | 5.9 | | | | | | | | | | |
| TCE-WQM2b | Cloudy | Moderate | 14:36 | 11.2 | Surface | 1.0 | 1 | 19.7 | 8.3 | 30.9 | 8.0 | 104.7 | 2.4 | 4.7 | 7.8 | 3.0 | 4.4 | | | | | | | | |
| | | | | | | | 2 | 19.7 | 8.3 | 30.9 | 8.0 | 104.7 | 2.4 | 4.6 | | | | | | | | | | | |
| | | | | | Middle | 5.6 | 1 | 19.8 | 8.3 | 31.1 | 7.6 | 100.3 | 3.1 | 4.8 | | | | | | | | | | | |
| | | | | | | 2 | 19.8 | 8.3 | 31.1 | 7.6 | 100.2 | 3.1 | 3.8 | | | | | | | | | | | | |
| | | | | | Bottom | 10.2 | 1 | 19.8 | 8.3 | 31.8 | 7.2 | 95.5 | 3.5 | 4.5 | | | | | | | | | | | |
| | | | | | | 2 | 19.8 | 8.3 | 31.8 | 7.2 | 95.6 | 3.6 | 4.0 | | | | | | | | | | | | |
| TCE-WQM3A | Cloudy | Moderate | 14:11 | 3.5 | Surface | 1.0 | 1 | 19.2 | 8.4 | 30.4 | 8.4 | 108.8 | 3.0 | 5.8 | 8.4 | 3.1 | 4.5 | | | | | | | | |
| | | | | | | | 2 | 19.2 | 8.4 | 30.4 | 8.4 | 108.8 | 3.0 | 4.8 | | | | | | | | | | | |
| | | | | | Bottom | 2.5 | 1 | 19.2 | 8.4 | 30.4 | 8.4 | 108.4 | 3.2 | 3.7 | | | | | | | | | | | |
| | | | | | | 2 | 19.2 | 8.4 | 30.4 | 8.4 | 108.3 | 3.4 | 3.8 | | | | | | | | | | | | |
| | | | | | TCE-WQM4 | Cloudy | Moderate | 14:01 | 3.3 | Surface | 1.0 | 1 | 19.4 | 8.4 | | | | 30.5 | 8.6 | 112.2 | 3.0 | 5.0 | 8.6 | 3.1 | 4.7 |
| | | | | | | | | | | | 2 | 19.5 | 8.4 | 30.5 | | | | 8.6 | 112.2 | 3.1 | 4.1 | | | | |
| Bottom | 2.3 | 1 | 19.4 | 8.4 | 30.4 | | | | | 8.6 | 111.8 | 3.3 | 5.3 | | | | | | | | | | | | |
| | 2 | 19.4 | 8.4 | 30.4 | 8.6 | | | | | 111.7 | 3.2 | 4.5 | | | | | | | | | | | | | |
| TCE-C1 | Cloudy | Rough | 10:16 | 8.6 | Surface | | | | | 1.0 | 1 | 19.0 | 8.4 | 30.7 | 8.0 | 102.9 | 11.3 | 12.7 | 7.9 | 17.7 | 16.3 | | | | |
| | | | | | | | | | | 2 | 19.0 | 8.4 | 30.7 | 8.0 | 102.9 | 11.2 | 12.0 | | | | | | | | |
| Middle | | | | | 4.3 | 1 | 19.0 | 8.4 | 30.8 | 7.9 | 102.7 | 13.0 | 16.1 | | | | | | | | | | | | |
| | | | | | 2 | 19.1 | 8.4 | 30.8 | 7.9 | 102.7 | 12.8 | 17.8 | | | | | | | | | | | | | |
| Bottom | | | | | 7.6 | 1 | 19.1 | 8.4 | 30.8 | 7.9 | 102.9 | 30.6 | 18.7 | | | | | | | | | | | | |
| | | | | | 2 | 19.1 | 8.4 | 30.8 | 7.9 | 102.9 | 27.5 | 20.4 | | | | | | | | | | | | | |
| TCE-C2 | Cloudy | Moderate | 8:16 | 13.7 | Surface | 1.0 | 1 | 19.6 | 8.2 | 30.9 | 7.7 | 100.9 | 3.2 | 4.8 | 7.7 | 4.7 | 5.7 | | | | | | | | |
| | | | | | | | 2 | 19.6 | 8.2 | 30.9 | 7.7 | 100.9 | 3.3 | 5.8 | | | | | | | | | | | |
| | | | | | Middle | 6.9 | 1 | 19.7 | 8.2 | 30.9 | 7.7 | 100.5 | 4.6 | 6.0 | | | | | | | | | | | |
| | | | | | | 2 | 19.7 | 8.2 | 30.9 | 7.7 | 100.5 | 4.5 | 5.4 | | | | | | | | | | | | |
| | | | | | Bottom | 12.7 | 1 | 19.7 | 8.2 | 30.9 | 7.7 | 100.3 | 6.5 | 6.4 | | | | | | | | | | | |
| | | | | | | 2 | 19.7 | 8.2 | 30.9 | 7.7 | 100.3 | 6.4 | 5.6 | | | | | | | | | | | | |
| TCE-WQM1 | Cloudy | Moderate | 9:30 | 8.1 | Surface | 1.0 | 1 | 19.2 | 8.4 | 30.4 | 8.0 | 103.5 | 4.3 | 6.6 | 8.0 | 4.6 | 7.1 | | | | | | | | |
| | | | | | | | 2 | 19.2 | 8.4 | 30.4 | 8.0 | 103.6 | 4.4 | 6.9 | | | | | | | | | | | |
| | | | | | Middle | 4.1 | 1 | 19.2 | 8.4 | 30.4 | 8.0 | 103.1 | 4.0 | 6.3 | | | | | | | | | | | |
| | | | | | | 2 | 19.2 | 8.4 | 30.4 | 8.0 | 103.1 | 4.2 | 7.3 | | | | | | | | | | | | |
| | | | | | Bottom | 7.1 | 1 | 19.2 | 8.4 | 30.4 | 8.0 | 103.0 | 5.5 | 7.6 | | | | | | | | | | | |
| | | | | | | 2 | 19.2 | 8.4 | 30.4 | 8.0 | 103.0 | 5.5 | 8.1 | | | | | | | | | | | | |
| TCE-WQM2a | Cloudy | Moderate | 8:53 | 6.8 | Surface | 1.0 | 1 | 19.5 | 8.3 | 30.4 | 7.9 | 102.5 | 4.0 | 6.0 | 7.9 | 5.3 | 6.8 | | | | | | | | |
| | | | | | | | 2 | 19.5 | 8.3 | 30.4 | 7.9 | 102.5 | 4.0 | 6.8 | | | | | | | | | | | |
| | | | | | Middle | 3.4 | 1 | 19.5 | 8.3 | 30.4 | 7.9 | 102.3 | 4.3 | 6.2 | | | | | | | | | | | |
| | | | | | | 2 | 19.5 | 8.3 | 30.4 | 7.9 | 102.3 | 4.4 | 6.0 | | | | | | | | | | | | |
| | | | | | Bottom | 5.8 | 1 | 19.5 | 8.3 | 30.4 | 7.9 | 102.3 | 7.4 | 8.2 | | | | | | | | | | | |
| | | | | | | 2 | 19.5 | 8.3 | 30.4 | 7.9 | 102.3 | 7.7 | 7.4 | | | | | | | | | | | | |
| TCE-WQM2b | Cloudy | Moderate | 8:40 | 9.8 | Surface | 1.0 | 1 | 19.5 | 8.3 | 30.6 | 7.8 | 101.6 | 5.5 | 7.3 | 7.8 | 6.3 | 9.5 | | | | | | | | |
| | | | | | | | 2 | 19.5 | 8.3 | 30.6 | 7.8 | 101.6 | 5.5 | 7.3 | | | | | | | | | | | |
| | | | | | Middle | 4.9 | 1 | 19.5 | 8.3 | 30.6 | 7.8 | 101.5 | 6.7 | 10.3 | | | | | | | | | | | |
| | | | | | | 2 | 19.5 | 8.3 | 30.6 | 7.8 | 101.5 | 6.8 | 9.8 | | | | | | | | | | | | |
| | | | | | Bottom | 8.8 | 1 | 19.5 | 8.3 | 30.6 | 7.8 | 101.6 | 6.8 | 10.6 | | | | | | | | | | | |
| | | | | | | 2 | 19.5 | 8.3 | 30.6 | 7.8 | 101.7 | 6.9 | 11.5 | | | | | | | | | | | | |
| TCE-WQM3A | Cloudy | Calm | 9:06 | 3.2 | Surface | 1.0 | 1 | 19.1 | 8.3 | 30.4 | 7.9 | 102.7 | 2.7 | 4.9 | 7.9 | 2.7 | 4.9 | | | | | | | | |
| | | | | | | | 2 | 19.1 | 8.3 | 30.4 | 7.9 | 102.7 | 2.7 | 4.9 | | | | | | | | | | | |
| | | | | | Bottom | 2.2 | 1 | 19.0 | 8.3 | 30.4 | 7.9 | 102.6 | 2.8 | 5.6 | | | | | | | | | | | |
| | | | | | | 2 | 19.0 | 8.3 | 30.4 | 7.9 | 102.6 | 2.7 | 5.1 | | | | | | | | | | | | |
| | | | | | TCE-WQM4 | Cloudy | Calm | 9:18 | 3.1 | Surface | 1.0 | 1 | 19.4 | 8.3 | | | | 30.6 | 7.9 | 103.0 | 3.6 | 5.7 | 7.9 | 3.6 | 6.3 |
| | | | | | | | | | | | 2 | 19.4 | 8.3 | 30.6 | | | | 7.9 | 103.1 | 3.6 | 6.6 | | | | |
| Bottom | 2.1 | 1 | 19.4 | 8.3 | 30.6 | | | | | 7.9 | 103.0 | 3.5 | 5.9 | | | | | | | | | | | | |
| | 2 | 19.4 | 8.3 | 30.6 | 7.9 | | | | | 103.0 | 3.6 | 6.9 | | | | | | | | | | | | | |

| Date | Tide | Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Water Level | Sampling depth (m) | Replicate | Water Temperature (°C) | pH | Salinity (ppt) | Dissolved Oxygen (DO) (mg/L) | DO Saturation (%) | Turbidity (NTU) | Suspended Solids (SS) (mg/L) | Depth-averaged | | | | | | | |
|-----------|---------|-----------|-------------------|---------------|---------------|-----------------|-------------|--------------------|-----------|------------------------|-----|----------------|------------------------------|-------------------|-----------------|------------------------------|----------------|-----------------|-----------|------|------|--|--|--|
| | | | | | | | | | | | | | | | | | DO (mg/L) | Turbidity (NTU) | SS (mg/L) | | | | | |
| 29-01-20 | Mid-Ebb | TCE-C1 | Fine | Rough | 14:12 | 7.8 | Surface | 1.0 | 1 | 19.2 | 8.0 | 34.4 | 7.5 | 99.0 | 10.6 | 22.7 | 7.4 | 12.2 | 23.4 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.9 | 1 | 19.2 | 8.0 | 34.4 | 7.4 | 98.6 | 14.9 | 22.9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.8 | 1 | 19.2 | 8.0 | 34.4 | 7.4 | 98.5 | 10.9 | 24.9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-C2 | Fine | Rough | 16:03 | 14.5 | Surface | 1.0 | 1 | 19.2 | 8.0 | 32.9 | 7.6 | 100.3 | 1.2 | 3.9 | 7.4 | 1.7 | 4.5 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 7.3 | 1 | 19.4 | 7.9 | 33.6 | 7.1 | 94.5 | 1.8 | 4.5 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 13.5 | 1 | 19.4 | 7.9 | 33.6 | 7.2 | 95.4 | 2.2 | 5.3 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM1 | Fine | Rough | 14:53 | 9.7 | Surface | 1.0 | 1 | 18.1 | 8.1 | 31.9 | 8.2 | 105.2 | 3.4 | 8.3 | 8.2 | 3.4 | 7.7 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.9 | 1 | 18.1 | 8.1 | 31.9 | 8.1 | 104.0 | 3.3 | 8.9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.7 | 1 | 18.0 | 8.1 | 31.9 | 8.1 | 103.6 | 3.5 | 6.4 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Rough | 15:27 | 7.5 | Surface | 1.0 | 1 | 19.0 | 8.0 | 32.5 | 7.6 | 99.7 | 2.8 | 4.2 | 7.6 | 3.0 | 4.6 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 18.9 | 7.9 | 32.5 | 7.5 | 97.7 | 2.6 | 4.0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 19.0 | 7.9 | 32.8 | 7.4 | 97.0 | 3.4 | 5.0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM2b | Fine | Rough | 15:39 | 9.9 | Surface | 1.0 | 1 | 19.1 | 8.0 | 32.7 | 7.6 | 99.8 | 1.9 | 3.3 | 7.5 | 2.2 | 4.5 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.0 | 1 | 19.2 | 7.9 | 32.9 | 7.3 | 96.3 | 2.2 | 4.9 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.9 | 1 | 19.4 | 7.9 | 33.3 | 7.2 | 95.1 | 2.5 | 6.1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM3A | Fine | Rough | 15:15 | 3.9 | Surface | 1.0 | 1 | 18.5 | 8.0 | 32.1 | 8.3 | 106.9 | 2.4 | 3.8 | 8.3 | 2.3 | 3.8 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.9 | 1 | 18.6 | 8.0 | 32.2 | 8.2 | 106.3 | 2.2 | 3.6 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TCE-WQM4 | Fine | Rough | 15:05 | 4.1 | Surface | 1.0 | 1 | 18.4 | 8.1 | 31.8 | 8.6 | 110.1 | 3.3 | 4.7 | 8.6 | 3.6 | 4.5 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 3.1 | 1 | 18.4 | 8.0 | 31.8 | 8.5 | 109.8 | 3.7 | 5.2 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 29-01-20 | Mid-Flood | TCE-C1 | Cloudy | Rough | 11:09 | 7.7 | Surface | 1.0 | 1 | 18.9 | 8.0 | 34.1 | 7.6 | 99.9 | 7.0 | 27.6 | 7.6 | 11.0 | 19.3 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | Middle | 3.9 | 1 | 18.9 | 8.0 | 34.1 | 7.6 | 100.3 | 10.6 | 16.8 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | Bottom | 6.7 | 1 | 18.9 | 8.0 | 34.1 | 7.7 | 101.6 | 15.3 | 15.0 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-C2 | Cloudy | | | Rough | 8:58 | 14.2 | Surface | 1.0 | 1 | 19.0 | 8.0 | 32.7 | 7.3 | 96.1 | 2.7 | 5.4 | 7.3 | 4.4 | 6.9 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 7.1 | 1 | 19.0 | 8.0 | 32.7 | 7.3 | 95.6 | 3.5 | 7.2 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 13.2 | 1 | 18.9 | 7.9 | 32.8 | 7.3 | 95.5 | 6.9 | 7.6 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM1 | Cloudy | | | Rough | 10:10 | 8.2 | Surface | 1.0 | 1 | 17.9 | 8.0 | 31.7 | 8.0 | 101.4 | 4.2 | 7.9 | 7.9 | 5.7 | 8.3 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 17.9 | 8.0 | 31.7 | 7.9 | 100.7 | 4.6 | 6.7 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 18.0 | 8.0 | 31.8 | 7.9 | 101.0 | 8.4 | 10.2 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM2a | Cloudy | | | Rough | 9:36 | 7.4 | Surface | 1.0 | 1 | 18.4 | 8.0 | 32.1 | 7.7 | 99.3 | 3.9 | 7.9 | 7.7 | 6.3 | 10.2 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 18.4 | 8.0 | 32.1 | 7.7 | 98.7 | 7.2 | 10.3 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.4 | 1 | 18.4 | 8.0 | 32.1 | 7.7 | 98.7 | 7.2 | 10.5 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM2b | Cloudy | | | Rough | 9:22 | 10.5 | Surface | 1.0 | 1 | 18.6 | 8.0 | 32.5 | 7.5 | 97.5 | 5.1 | 9.4 | 7.5 | 5.8 | 9.3 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.3 | 1 | 18.6 | 8.0 | 32.5 | 7.5 | 97.5 | 5.1 | 10.4 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 9.5 | 1 | 18.7 | 8.0 | 32.6 | 7.5 | 97.4 | 6.3 | 9.0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| TCE-WQM3A | Cloudy | | | Rough | 9:48 | 3.3 | Surface | 1.0 | 1 | 18.0 | 8.0 | 31.7 | 7.7 | 98.5 | 2.1 | 5.3 | 7.7 | 2.3 | 4.8 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.3 | 1 | 18.2 | 7.9 | 31.9 | 7.7 | 99.0 | 2.4 | 4.1 | | | | | | | | |
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| TCE-WQM4 | Cloudy | | | Rough | 9:59 | 3.7 | Surface | 1.0 | 1 | 18.3 | 8.0 | 32.0 | 7.8 | 100.6 | 4.1 | 7.0 | 7.8 | 4.5 | 6.8 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.7 | 1 | 18.3 | 8.0 | 32.0 | 7.8 | 100.8 | 4.9 | 6.7 | | | | | | | | |
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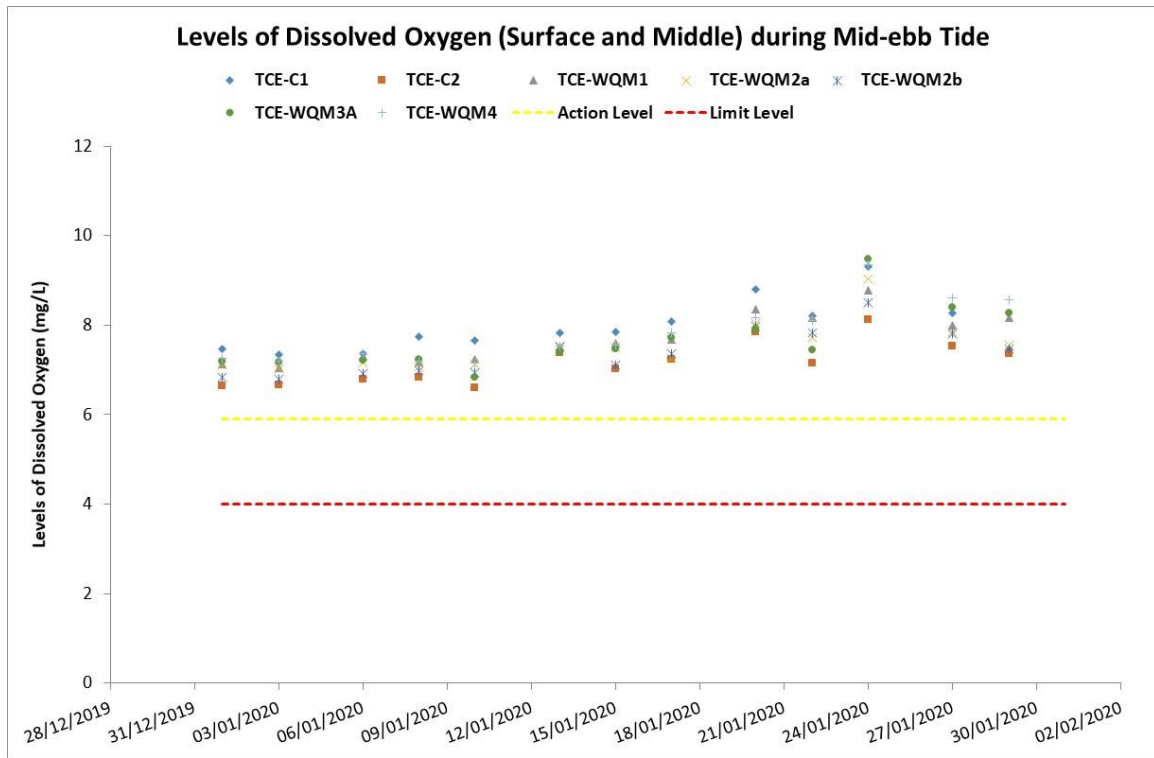


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 January 2020

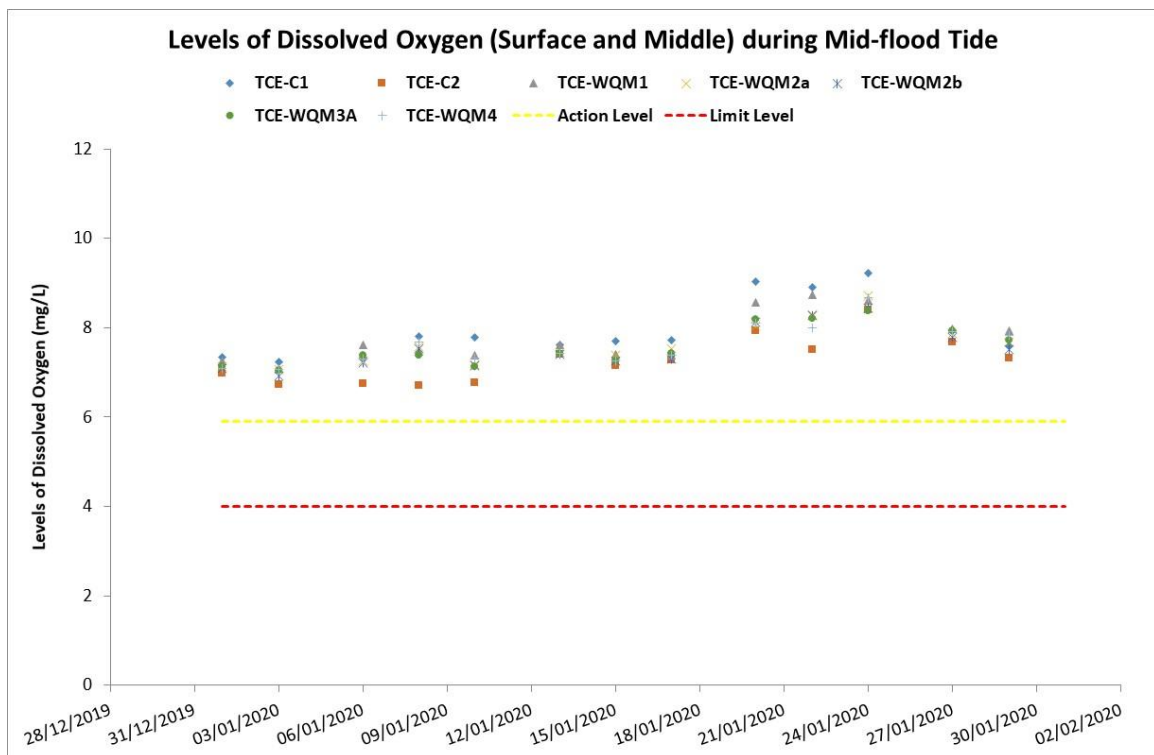


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 January 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: January 2020

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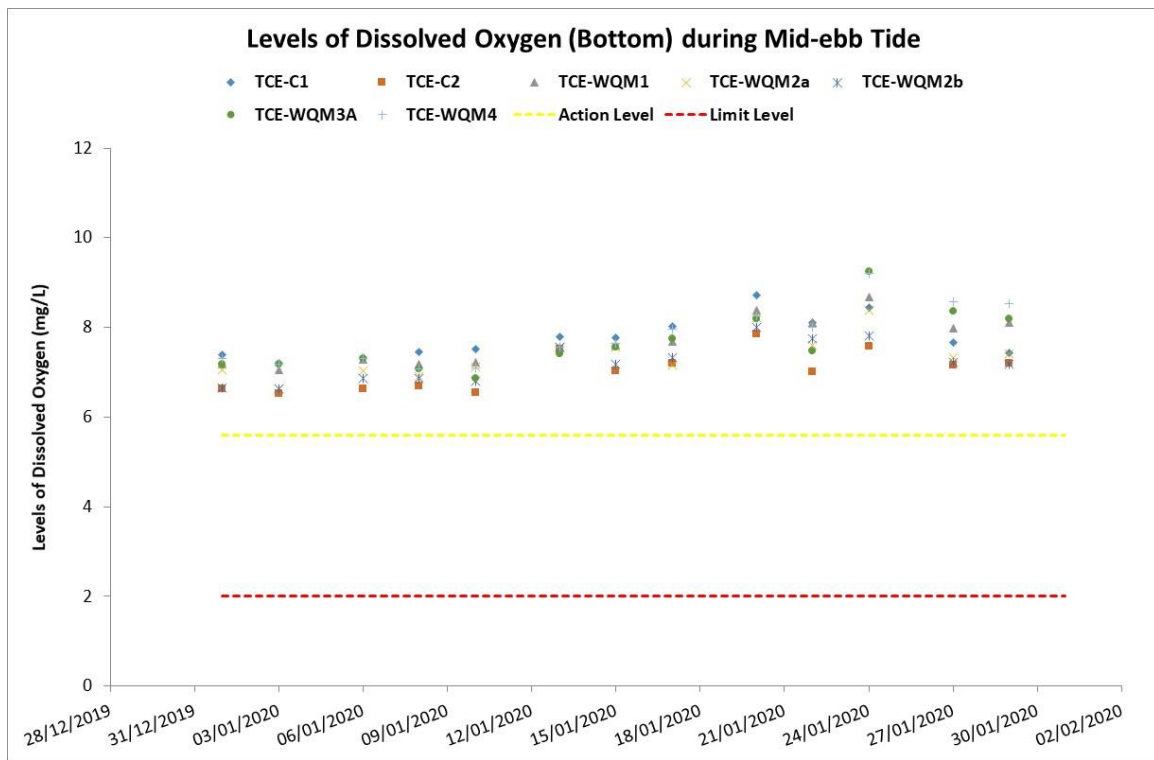


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 January 2020

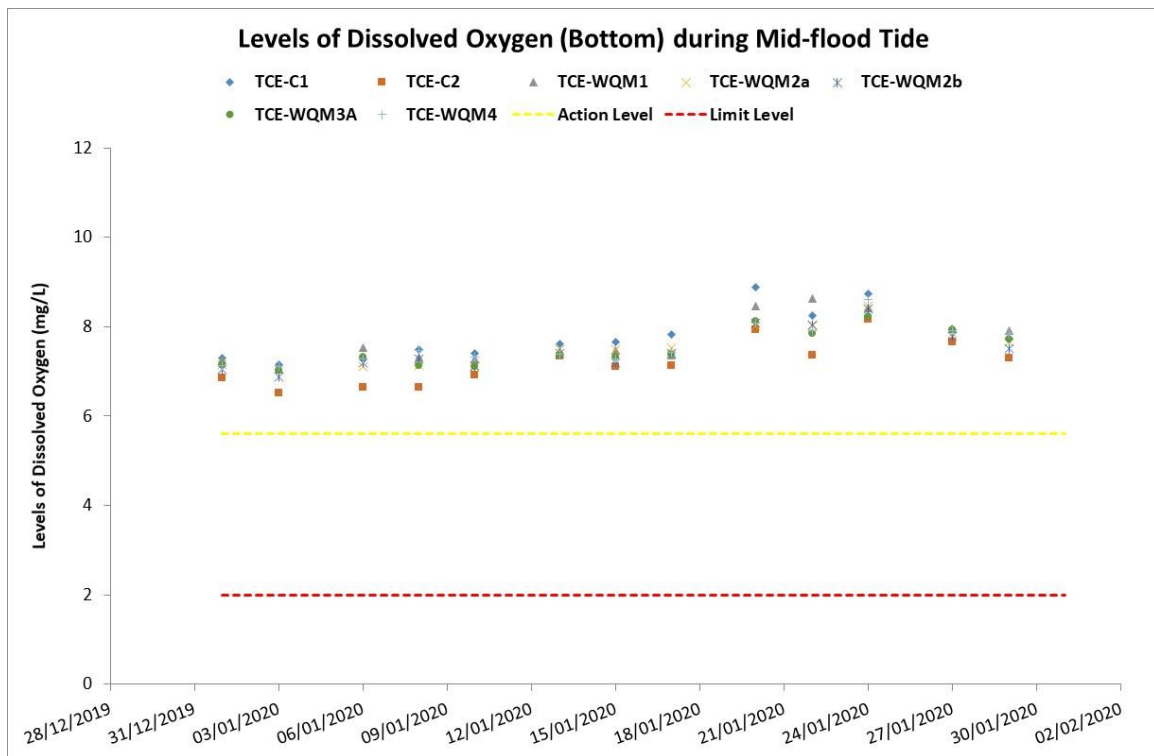


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 January 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: January 2020

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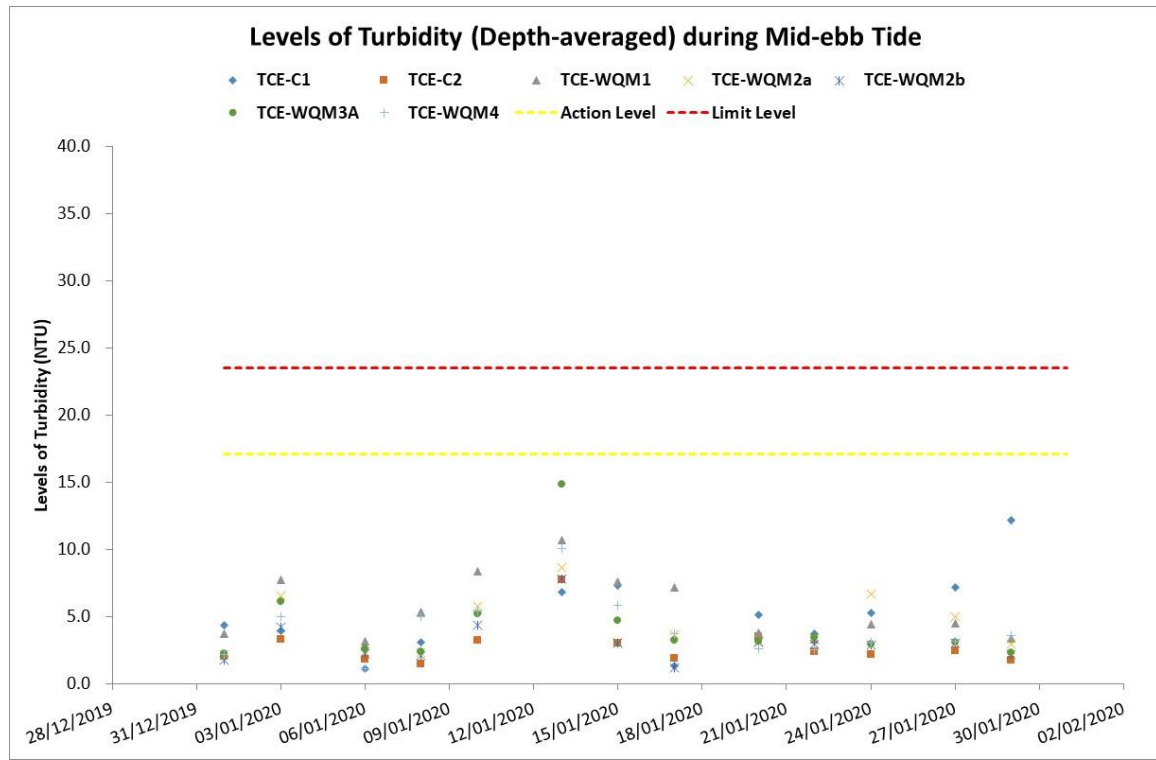


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 January 2020

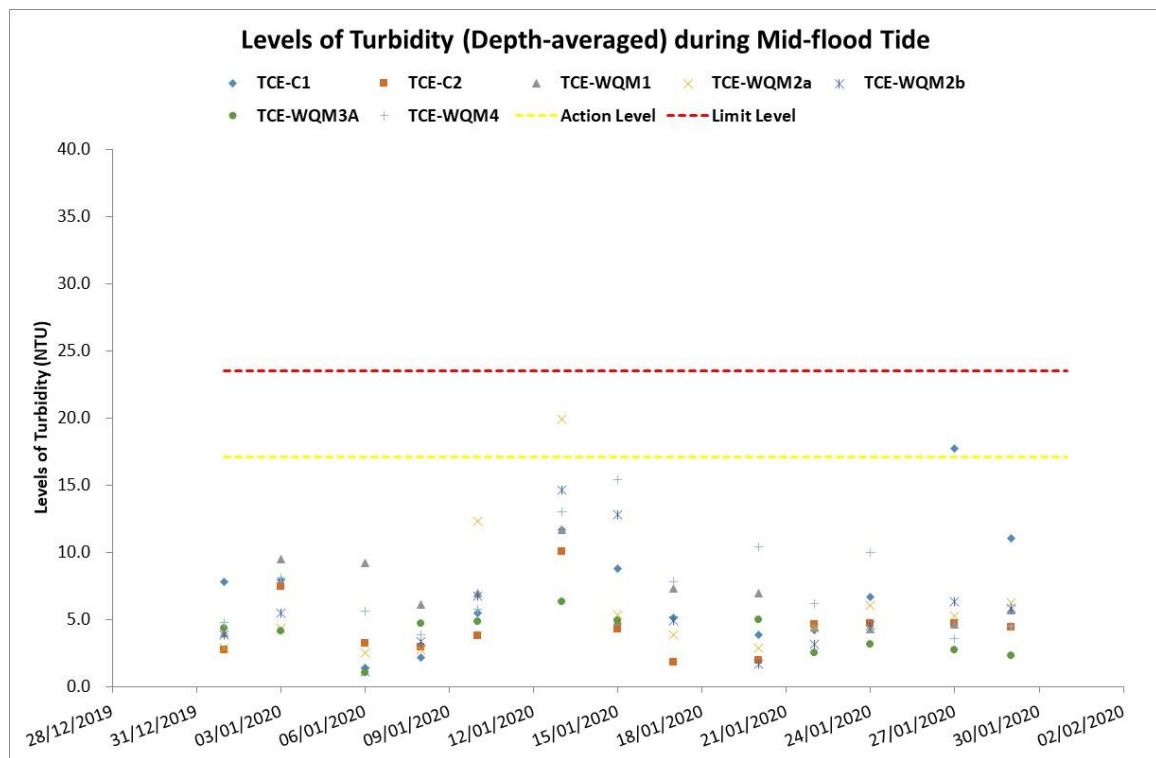


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 January 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\

Date: January 2020

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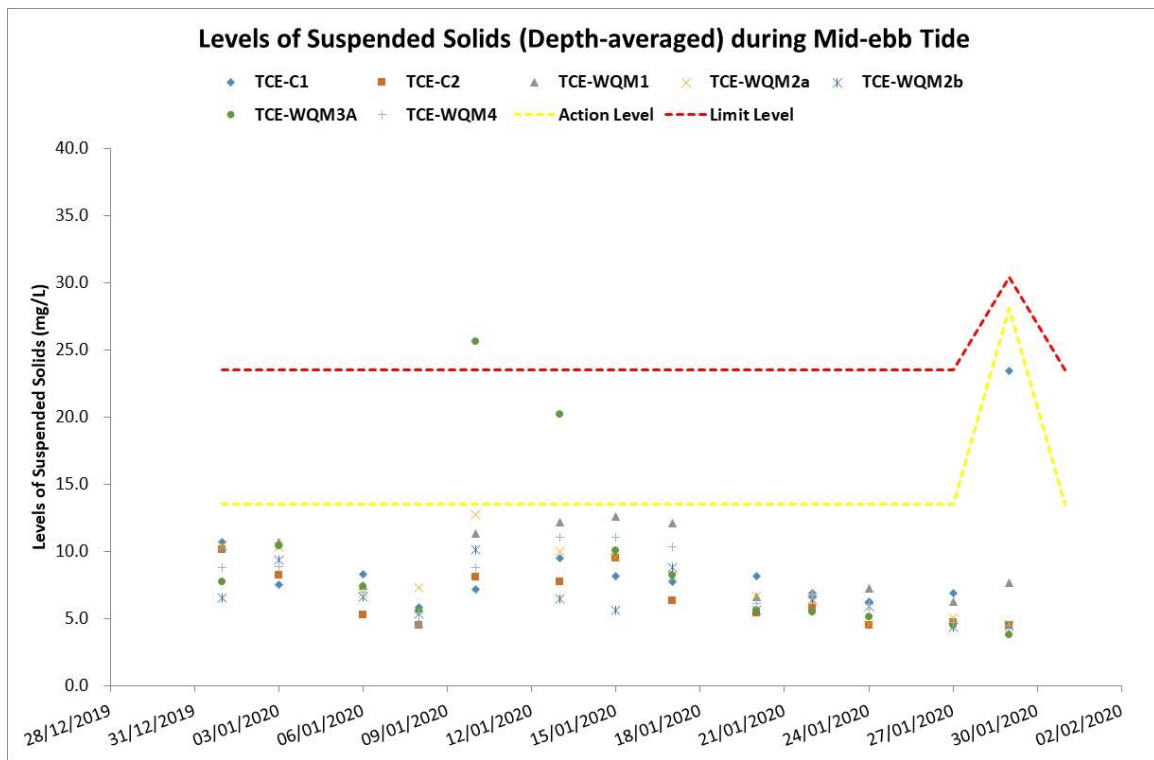


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 January 2020

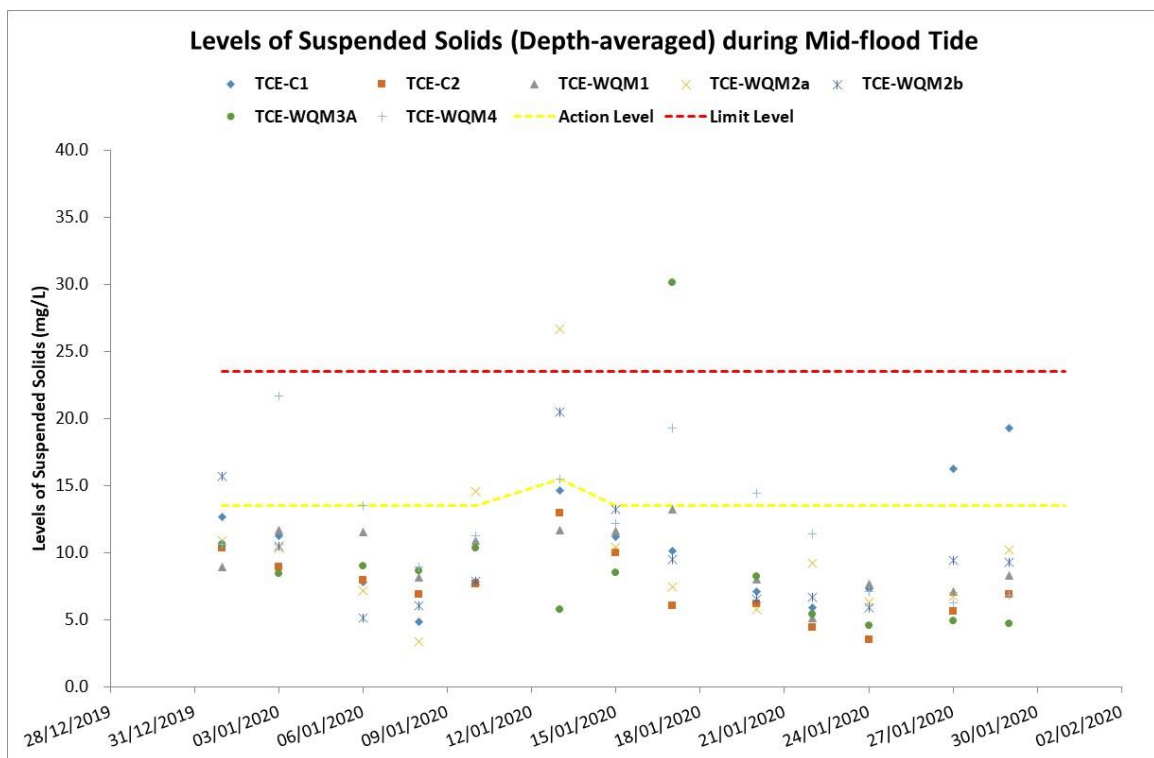


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 January 2020

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: January 2020

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