

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 August 2018

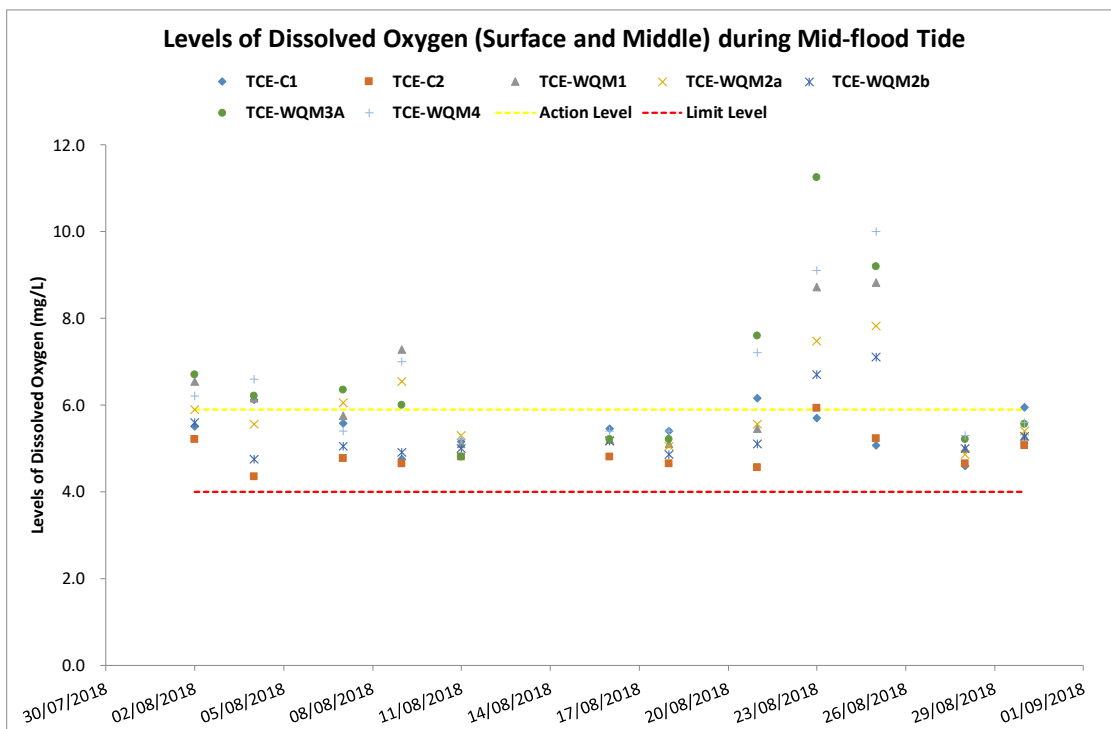


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung\JT\02_Deliverable\10 Monthly EM&A Report\
 Date: August 2018



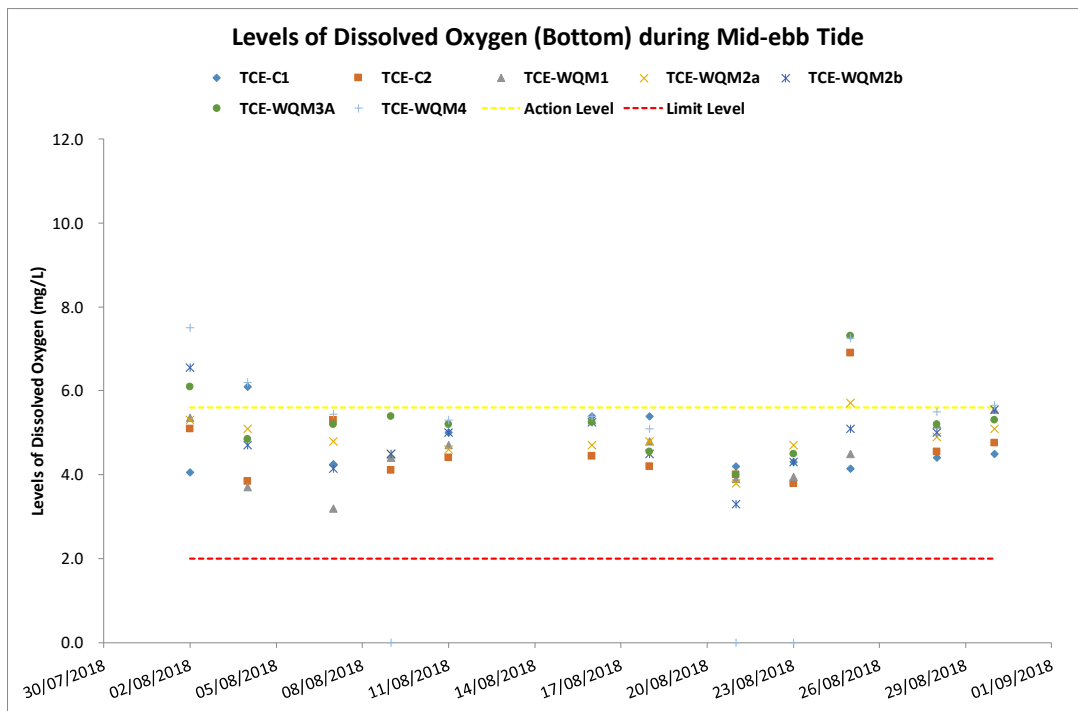


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2018

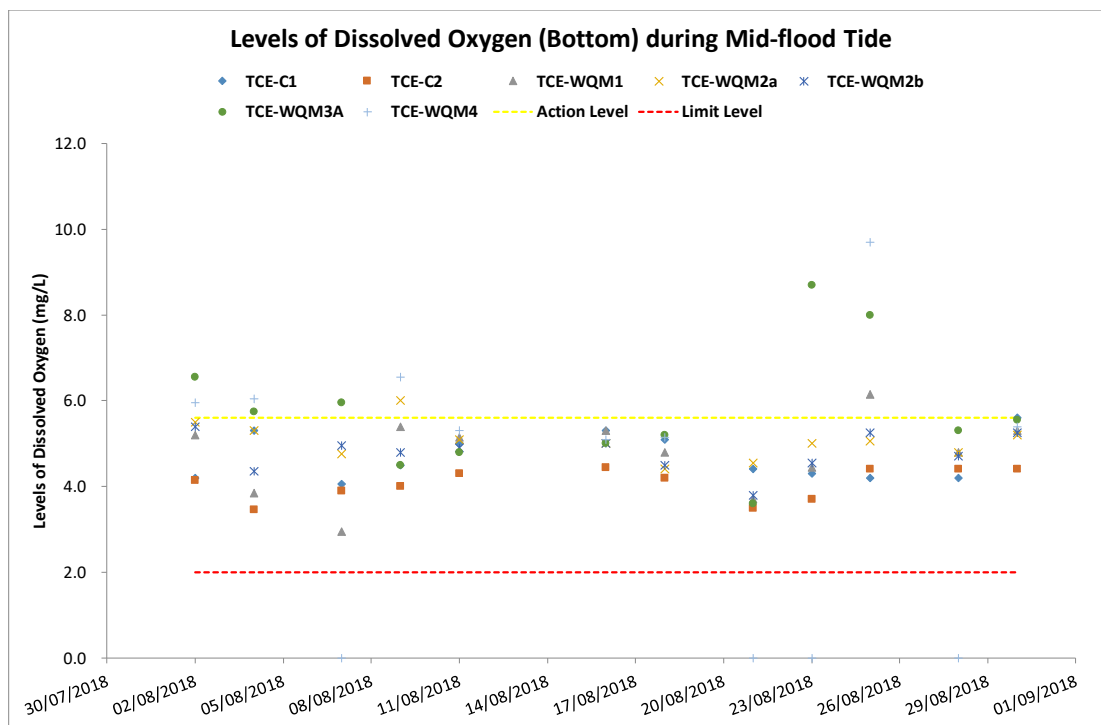


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: August 2018

**Environmental
 Resources
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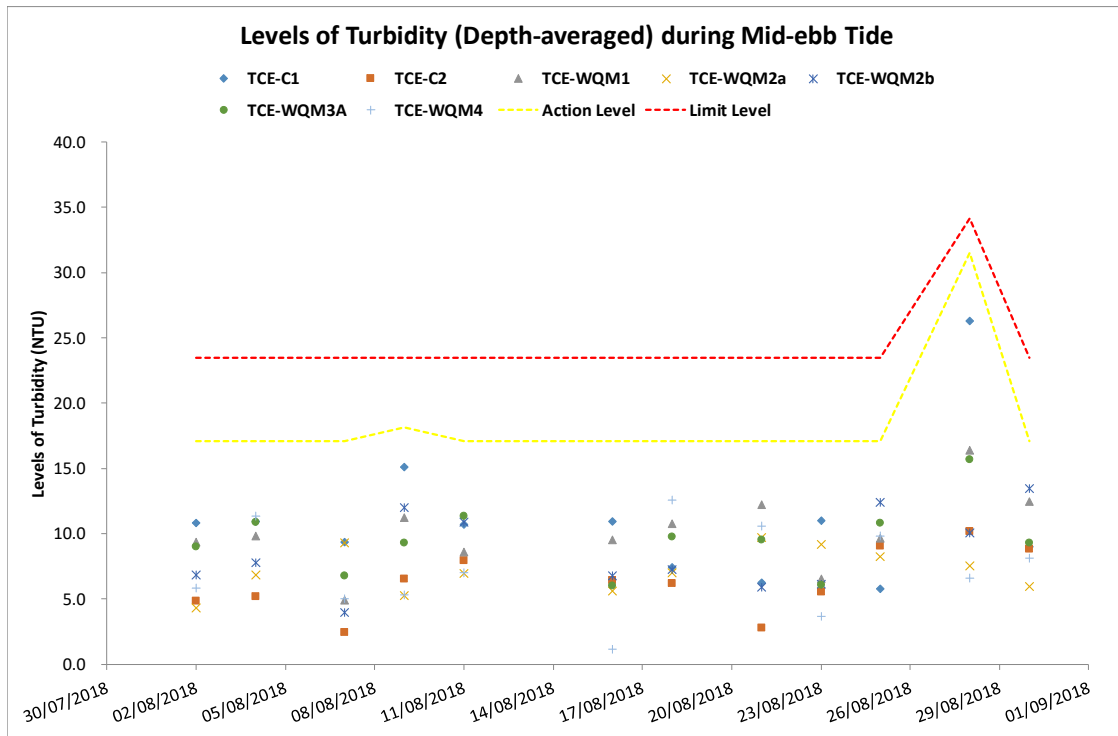


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2018

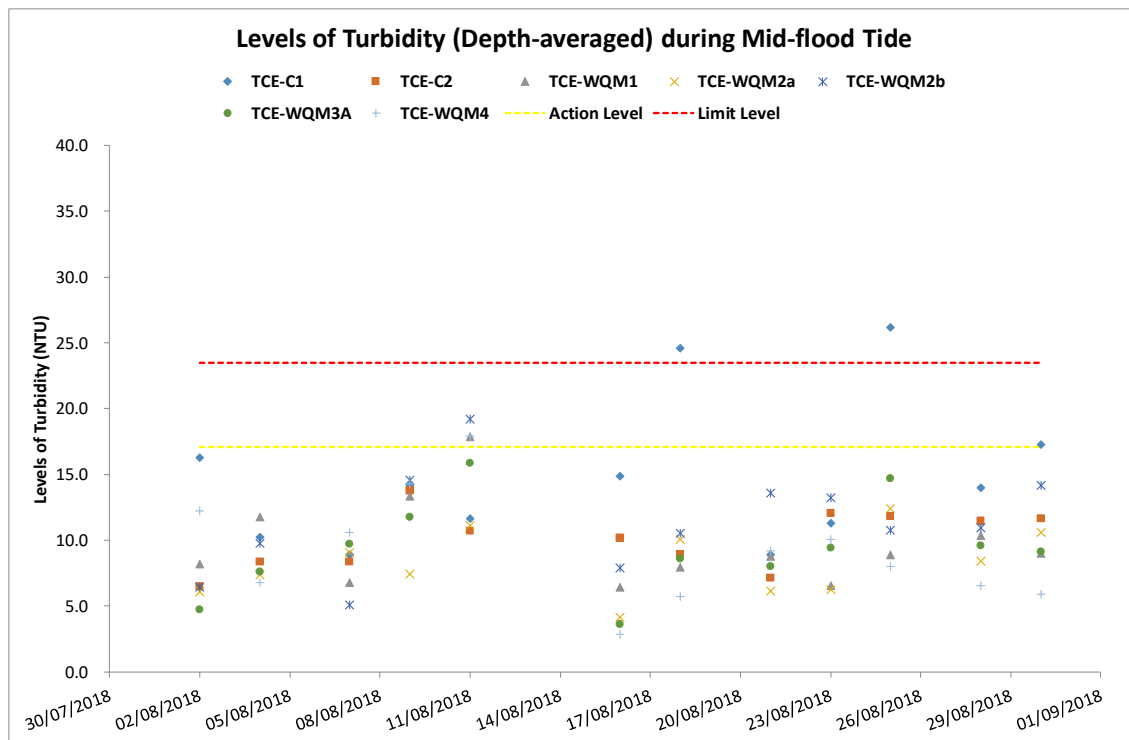


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2018

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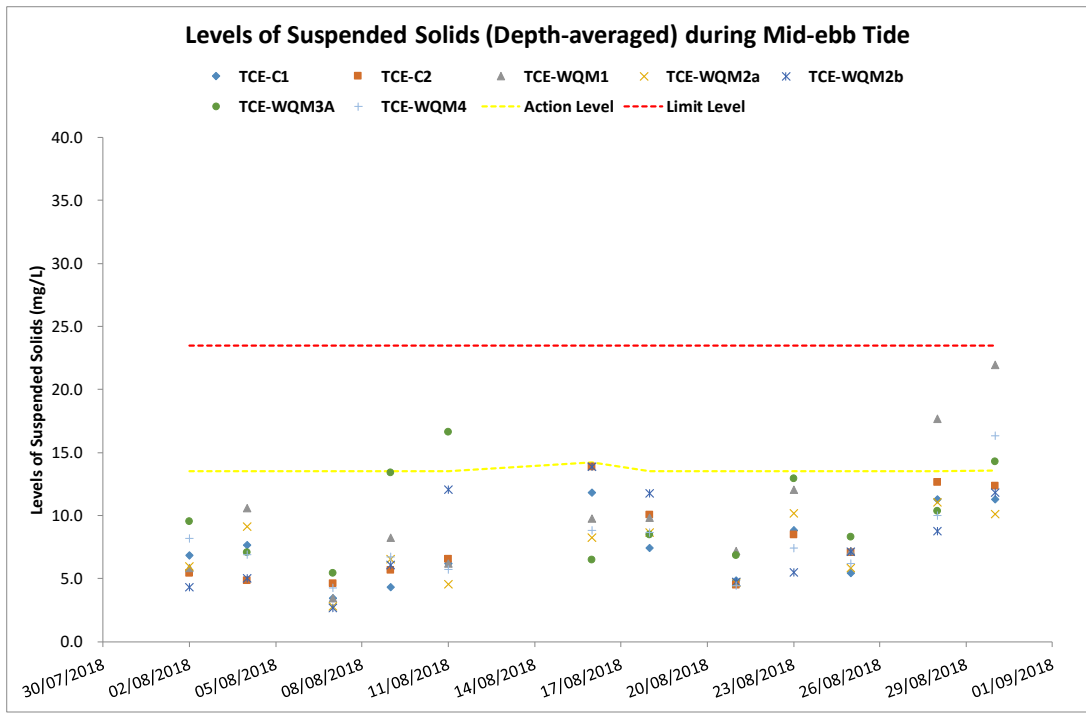


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 and 31 August 2018

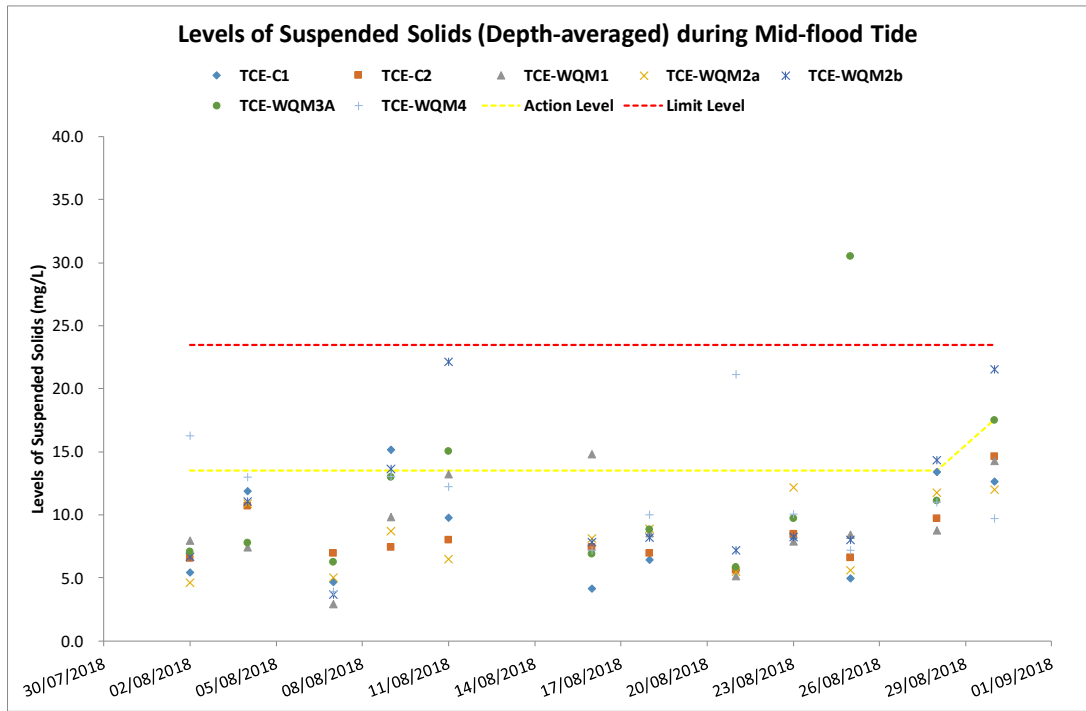
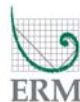


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 and 31 August 2018

Source: P:\Projects\0445700 CEDD ET for Tung Chung, JT\02_Deliverable\10 Monthly EM&A Report\
 Date: August 2018

**Environmental
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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) | | | | | | | | |
| 02/08/2018 | Mid-Ebb | TCE-C1 | Sunny | Moderate | 15:57 | 8 | Surface | 1.0 | 1 | 30.2 | 8.0 | 16.9 | 6.4 | 93.3 | 10.0 | 5.5 | 5.3 | 10.8 | 6.8 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.2 | 8.0 | 16.9 | 6.4 | 92.6 | 9.9 | 6.4 | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 28.9 | 7.9 | 26.6 | 4.2 | 63.6 | 10.5 | 6.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.9 | 7.9 | 26.0 | 4.2 | 63.5 | 10.5 | 6.7 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.0 | 1 | 28.4 | 7.8 | 30.2 | 4.0 | 60.3 | 12.0 | 7.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.4 | 7.8 | 30.2 | 4.1 | 62.3 | 12.1 | 8.2 | | | | | | | | | | | |
| | | TCE-C2 | Sunny | Moderate | 15:45 | 12.2 | Surface | 1.0 | 1 | 30.6 | 7.8 | 19.4 | 8.1 | 120.5 | 3.5 | 3.7 | 7.5 | 4.8 | 5.4 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.8 | 8.0 | 19.2 | 8.1 | 120.4 | 4.8 | 4.8 | | | | | | | | | | | |
| | | | | | | | Middle | 6.1 | 1 | 30.0 | 7.8 | 20.4 | 6.8 | 100.8 | 3.9 | 4.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.2 | 8.0 | 20.2 | 6.8 | 101.1 | 3.0 | 4.9 | | | | | | | | | | | |
| | | | | | | | Bottom | 11.2 | 1 | 29.2 | 7.8 | 23.5 | 5.1 | 76.4 | 6.9 | 7.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.4 | 7.9 | 23.3 | 5.1 | 76.6 | 6.9 | 6.9 | | | | | | | | | | | |
| | | TCE-WQM1 | Sunny | Moderate | 14:31 | 8.3 | Surface | 1.0 | 1 | 30.2 | 7.9 | 18.6 | 6.9 | 100.7 | 5.6 | 5.6 | 6.2 | 9.4 | 5.9 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.4 | 7.9 | 18.4 | 6.8 | 100.7 | 5.4 | 4.9 | | | | | | | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 29.9 | 7.9 | 21.0 | 5.6 | 82.2 | 10.4 | 5.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.1 | 7.9 | 20.8 | 5.5 | 82.3 | 10.3 | 6.1 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.3 | 1 | 29.8 | 7.9 | 21.7 | 5.4 | 79.5 | 12.0 | 6.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.0 | 7.8 | 21.5 | 5.3 | 79.3 | 12.6 | 7.0 | | | | | | | | | | | |
| | | TCE-WQM2a | Sunny | Moderate | 15:07 | 7.4 | Surface | 1.0 | 1 | 30.0 | 7.8 | 20.8 | 6.8 | 101.0 | 4.2 | 5.3 | 6.7 | 4.3 | 6.0 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.3 | 8.0 | 20.6 | 6.8 | 101.0 | 4.1 | 5.7 | | | | | | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 29.9 | 7.8 | 20.9 | 6.5 | 96.3 | 4.2 | 6.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.1 | 8.0 | 20.7 | 6.5 | 96.5 | 4.7 | 5.5 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.4 | 1 | 29.0 | 7.8 | 24.3 | 5.3 | 79.1 | 4.7 | 6.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.2 | 7.9 | 24.1 | 5.3 | 78.8 | 4.0 | 5.9 | | | | | | | | | | | |
| | TCE-WQM2b | Cloudy | Moderate | 15:21 | 10.4 | Surface | 1.0 | 1 | 30.6 | 7.9 | 18.3 | 6.8 | 100.1 | 3.9 | 3.4 | 6.7 | 6.9 | 4.3 | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.3 | 7.8 | 18.5 | 6.8 | 100.3 | 3.8 | 3.4 | | | | | | | | | | | | |
| | | | | | | Middle | 5.2 | 1 | 30.4 | 7.9 | 19.1 | 6.6 | 97.0 | 5.8 | 4.1 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.1 | 7.8 | 19.3 | 6.6 | 97.2 | 6.2 | 5.0 | | | | | | | | | | | | |
| | | | | | | Bottom | 9.4 | 1 | 30.3 | 7.9 | 19.6 | 6.5 | 96.7 | 10.5 | 4.9 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.1 | 7.8 | 19.8 | 6.6 | 96.9 | 10.9 | 5.0 | | | | | | | | | | | | |
| | TCE-WQM3A | Sunny | Moderate | 14:55 | 3.7 | Surface | 1.0 | 1 | 30.6 | 7.8 | 19.7 | 7.2 | 107.0 | 7.1 | 8.6 | 7.2 | 9.0 | 9.6 | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.8 | 8.0 | 19.5 | 7.1 | 106.5 | 7.7 | 8.8 | | | | | | | | | | | | |
| | | | | | | Bottom | 2.7 | 1 | 30.2 | 7.8 | 20.6 | 6.1 | 91.2 | 10.4 | 10.2 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.5 | 7.9 | 20.4 | 6.1 | 91.2 | 10.9 | 10.6 | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Sunny | Moderate | 14:45 | 3.7 | Surface | 1.0 | 1 | 30.6 | 7.9 | | | | 20.0 | 7.6 | 113.0 | 6.0 | 7.2 | 7.6 | 5.9 | 8.2 | |
| | | | | | | | | | | | | 2 | 2 | 30.8 | 8.0 | | | | 19.8 | 7.6 | 112.9 | 5.8 | 8.2 | | | | |
| | Bottom | 2.7 | 1 | 30.6 | 7.9 | | | | | | 20.0 | 7.5 | 112.2 | 5.8 | 8.4 | | | | | | | | | | | | |
| | | 2 | 2 | 30.8 | 8.0 | | | | | | 19.8 | 7.5 | 112.1 | 5.8 | 9.0 | | | | | | | | | | | | |
| | Mid-Flood | TCE-C1 | Cloudy | Moderate | 10:23 | | | | | | 8 | Surface | 1.0 | 1 | 29.8 | 8.0 | 16.4 | 5.9 | 84.7 | 13.6 | 4.9 | 5.5 | 16.3 | | | | 5.5 |
| | | | | | | | | | | | | | 2 | 2 | 29.8 | 8.0 | 16.4 | 5.9 | 84.9 | 13.5 | 4.3 | | | | | | |
| | | | | | | Middle | 4.0 | 1 | 29.5 | 8.0 | | 19.8 | 5.1 | 74.8 | 16.1 | 5.1 | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.5 | 8.0 | | 19.8 | 5.1 | 75.0 | 15.8 | 6.3 | | | | | | | | | | | |
| | | | | | | Bottom | 7.0 | 1 | 29.1 | 7.9 | | 26.6 | 4.2 | 63.6 | 19.2 | 6.2 | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.1 | 7.9 | | 26.6 | 4.2 | 63.4 | 19.6 | 5.9 | | | | | | | | | | | |
| | | | | | | TCE-C2 | Sunny | Moderate | 09:29 | 12.6 | | Surface | 1.0 | 1 | 29.8 | 7.8 | 19.8 | 5.9 | 87.3 | 2.8 | 5.0 | | | 5.2 | 6.5 | 6.6 | |
| | | | | | | | | | | | | | 2 | 2 | 30.0 | 7.8 | 19.6 | 5.9 | 88.8 | 3.6 | 5.4 | | | | | | |
| | | | | | | | | | | | | Middle | 6.3 | 1 | 28.3 | 7.8 | 27.2 | 4.5 | 66.5 | 6.9 | 6.2 | | | | | | |
| | | | | | | | | | | | | | 2 | 2 | 28.5 | 7.8 | 27.0 | 4.5 | 67.0 | 5.8 | 6.6 | | | | | | |
| Bottom | | | | | | | | | | | | 11.6 | 1 | 27.4 | 7.8 | 29.9 | 4.1 | 61.3 | 10.3 | 8.4 | | | | | | | |
| | | | | | | | | | | | | 2 | 2 | 27.7 | 7.8 | 29.6 | 4.2 | 63.6 | 9.6 | 7.8 | | | | | | | |
| TCE-WQM1 | | Sunny | Calm | 10:57 | 8.6 | Surface | 1.0 | 1 | 30.2 | 7.8 | 20.3 | 6.8 | 100.5 | 4.9 | 6.1 | 6.6 | 8.2 | 8.0 | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.4 | 8.0 | 20.0 | 6.8 | 100.6 | 4.2 | 6.7 | | | | | | | | | | | | |
| | | | | | | Middle | 4.3 | 1 | 29.9 | 7.8 | 20.6 | 6.3 | 92.8 | 7.0 | 8.2 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.2 | 8.0 | 20.4 | 6.3 | 93.1 | 6.0 | 8.8 | | | | | | | | | | | | |
| | | | | | | Bottom | 7.6 | 1 | 29.5 | 7.8 | 23.0 | 5.2 | 77.4 | 14.2 | 8.7 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.9 | 22.8 | 5.2 | 77.5 | 12.7 | 9.3 | | | | | | | | | | | | |
| TCE-WQM2a | | Sunny | Moderate | 10:15 | 7.3 | Surface | 1.0 | 1 | 29.9 | 7.8 | 20.1 | 6.3 | 92.8 | 3.9 | 4.9 | 5.9 | 6.1 | 4.6 | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.8 | 7.8 | 20.1 | 6.3 | 92.8 | 4.0 | 4.1 | | | | | | | | | | | | |
| | | | | | | Middle | 3.7 | 1 | 29.5 | 7.8 | 21.6 | 5.5 | 81.0 | 6.6 | 4.4 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.9 | 21.3 | 5.5 | 80.9 | 6.8 | 4.9 | | | | | | | | | | | | |
| | | | | | | Bottom | 6.3 | 1 | 29.5 | 7.8 | 21.6 | 5.5 | 81.0 | 7.6 | 4.4 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.9 | 21.4 | 5.5 | 80.9 | 7.6 | 5.0 | | | | | | | | | | | | |
| TCE-WQM2b | Sunny | Moderate | 09:59 | 10.1 | Surface | 1.0 | 1 | 30.0 | 7.8 | 19.4 | 5.8 | 84.9 | 4.5 | 6.6 | 5.6 | 6.5 | 6.6 | | | | | | | | | | |
| | | | | | | 2 | 2 | 29.7 | 7.8 | 19.6 | 5.8 | 84.8 | 4.0 | 6.2 | | | | | | | | | | | | | |
| | | | | | Middle | 5.1 | 1 | 29.8 | 7.8 | 20.9 | 5.4 | 79.8 | 7.0 | 6.4 | | | | | | | | | | | | | |
| | | | | | | 2 | 2 | 29.5 | 7.8 | 21.1 | 5.4 | 79.6 | 6.8 | 6.9 | | | | | | | | | | | | | |
| | | | | | Bottom | 9.1 | 1 | 29.7 | 7.8 | 21.6 | 5.4 | 79.8 | 8.6 | 6.6 | | | | | | | | | | | | | |
| | | | | | | 2 | 2 | 29.4 | 7.8 | 21.8 | 5.4 | 79.5 | 7.8 | 7.1 | | | | | | | | | | | | | |
| TCE-WQM3A | Sunny | Calm | 10:29 | 4.7 | Surface | 1.0 | 1 | 30.1 | 7.8 | 19.4 | 6.7 | 99.1 | 4.9 | 6.8 | 6.7 | 4.8 | 7.1 | | | | | | | | | | |
| | | | | | | 2 | 2 | 30.4 | 8.0 | 19.1 | 6.7 | 99.1 | 4.4 | 6.1 | | | | | | | | | | | | | |
| | | | | | Bottom | 3.7 | 1 | 30.1 | 7.8 | 20.0 | 6.6 | 97.2 | 5.3 | 7.3 | | | | | | | | | | | | | |
| | | | | | | 2 | 2 | 30.4 | 7.9 | 19.8 | 6.5 | 97.1 | 4.4 | 8.1 | | | | | | | | | | | | | |
| | | | | | TCE-WQM4 | Sunny | Calm | 10:40 | 4 | Surface | 1.0 | 1 | 29.8 | 7.9 | | | | 20.2 | 6.2 | 91 | 10.3 | 15.9 | 6.2 | 12.2 | 16.3 | | |
| | | | | | | | | | | | 2 | 2 | 30.1 | 7.9 | | | | 20 | 6.2 | 90.9 | 9.5 | 16.6 | | | | | |
| Bottom | 3.0 | 1 | 29.8 | 7.9 | | | | | | 20.4 | 6 | 88.2 | 14.7 | 16 | | | | | | | | | | | | | |
| | 2 | 2 | 30 | 7.9 | | | | | | 20.2 | 5.9 | 87.8 | 14.4 | 16.7 | | | | | | | | | | | | | |

| 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) | | | | | | | | |
| 04/08/2018 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 16:01 | 8.8 | Surface | 1.0 | 1 | 30.4 | 7.8 | 19.6 | 6.7 | 99.0 | 7.7 | 7.4 | 6.6 | 10.9 | 7.7 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.7 | 7.9 | 19.4 | 6.6 | 98.7 | 8.4 | 7.3 | | | | | | | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 30.4 | 7.8 | 19.8 | 6.6 | 97.2 | 10.4 | 8.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.6 | 7.9 | 19.6 | 6.5 | 97.0 | 9.7 | 8.2 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.8 | 1 | 30.1 | 7.8 | 20.8 | 6.1 | 89.8 | 14.7 | 7.0 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.3 | 7.9 | 20.5 | 6.1 | 90.7 | 14.7 | 7.9 | | | | | | | | | | | |
| | | TCE-C2 | Fine | Moderate | 17:14 | 14.7 | Surface | 1.0 | 1 | 30.7 | 7.8 | 19.1 | 7.3 | 108.8 | 2.3 | 3.8 | 6.3 | 5.2 | 4.9 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.9 | 8.0 | 18.9 | 7.3 | 108.8 | 2.2 | 4.4 | | | | | | | | | | | |
| | | | | | | | Middle | 7.4 | 1 | 29.1 | 7.8 | 22.3 | 5.3 | 77.9 | 4.0 | 4.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.3 | 7.9 | 22.2 | 5.3 | 78.1 | 3.4 | 4.0 | | | | | | | | | | | |
| | | | | | | | Bottom | 13.7 | 1 | 27.0 | 7.8 | 29.7 | 3.8 | 56.9 | 9.3 | 6.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 27.2 | 7.8 | 29.4 | 3.9 | 57.2 | 9.9 | 6.1 | | | | | | | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 16:01 | 8.3 | Surface | 1.0 | 1 | 30.4 | 7.8 | 20.5 | 6.4 | 94.7 | 6.4 | 9.6 | 6.0 | 9.8 | 10.6 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.6 | 7.9 | 20.3 | 6.3 | 94.7 | 6.7 | 9.9 | | | | | | | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 30.0 | 7.8 | 21.3 | 5.6 | 82.9 | 8.9 | 9.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.2 | 7.9 | 21.1 | 5.5 | 82.6 | 8.1 | 9.6 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.3 | 1 | 28.9 | 7.8 | 25.3 | 3.7 | 55.7 | 14.0 | 12.7 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.1 | 7.7 | 25.1 | 3.7 | 55.0 | 14.7 | 12.5 | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 16:36 | 7 | Surface | 1.0 | 1 | 29.9 | 7.8 | 20.4 | 6.4 | 93.9 | 7.0 | 8.1 | 5.9 | 6.8 | 9.2 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.1 | 7.9 | 20.2 | 6.3 | 93.7 | 6.7 | 7.7 | | | | | | | | | | | |
| | | | | | | | Middle | 3.5 | 1 | 29.0 | 7.8 | 22.6 | 5.4 | 79.7 | 8.7 | 7.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.3 | 7.8 | 22.4 | 5.4 | 79.7 | 8.8 | 8.1 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.0 | 1 | 28.2 | 7.8 | 25.8 | 5.1 | 75.5 | 5.0 | 11.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.4 | 7.8 | 25.5 | 5.1 | 74.9 | 4.7 | 11.8 | | | | | | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 16:50 | 12.2 | Surface | 1.0 | 1 | 29.9 | 7.8 | 16.4 | 6.9 | 101.9 | 3.3 | 4.4 | 6.8 | 7.8 | 5.0 | | | | | | | | |
| | | | | | | | | 2 | 2 | 31.1 | 7.9 | 16.3 | 6.9 | 101.5 | 3.4 | 4.2 | | | | | | | | | | | |
| | | | | | | | Middle | 6.1 | 1 | 30.3 | 7.8 | 19.1 | 6.7 | 98.2 | 4.1 | 4.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.6 | 7.9 | 18.9 | 6.6 | 97.6 | 4.4 | 4.7 | | | | | | | | | | | |
| | | | | | | | Bottom | 11.2 | 1 | 27.8 | 7.8 | 25.5 | 4.6 | 67.1 | 15.4 | 6.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.0 | 7.8 | 25.3 | 4.8 | 70.6 | 16.2 | 6.4 | | | | | | | | | | | |
| | TCE-WQM3A | Fine | Moderate | 16:22 | 4.7 | Surface | 1.0 | 1 | 30.1 | 7.8 | 19.8 | 6.2 | 90.9 | 8.5 | 6.7 | 6.2 | 10.9 | 7.1 | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.3 | 7.9 | 19.6 | 6.1 | 90.8 | 8.2 | 6.3 | | | | | | | | | | | | |
| | | | | | | Bottom | 3.7 | 1 | 29.5 | 7.8 | 21.4 | 4.9 | 72.2 | 13.4 | 7.4 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.8 | 21.2 | 4.8 | 71.6 | 13.5 | 7.9 | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Fine | Moderate | 16:12 | 4.4 | Surface | 1.0 | 1 | 30.5 | 7.9 | | | | 19.5 | 7.6 | 112.9 | 5.1 | 7.6 | 7.6 | 11.4 | 6.9 | |
| | | | | | | | | | | | | 2 | 2 | 30.8 | 8.0 | | | | 19.3 | 7.6 | 113.1 | 5.3 | 6.6 | | | | |
| | Bottom | 3.4 | 1 | 29.8 | 7.8 | | | | | | 20.4 | 6.2 | 92.0 | 17.5 | 6.9 | | | | | | | | | | | | |
| | | 2 | 2 | 30.1 | 7.9 | | | | | | 20.2 | 6.2 | 91.5 | 17.6 | 6.6 | | | | | | | | | | | | |
| | Mid-Flood | TCE-C1 | Fine | Moderate | 13:31 | | | | | | 9.1 | Surface | 1.0 | 1 | 30.4 | 7.8 | 20.3 | 6.5 | 96.6 | 8.7 | 11.9 | 6.1 | 10.2 | | | | 11.9 |
| | | | | | | | | | | | | | 2 | 2 | 30.6 | 7.9 | 20.0 | 6.4 | 96.1 | 8.8 | 12.4 | | | | | | |
| | | | | | | Middle | 4.6 | 1 | 29.9 | 7.8 | | 20.8 | 5.8 | 85.9 | 7.6 | 11.5 | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.1 | 7.9 | | 20.6 | 5.8 | 85.8 | 7.5 | 12.0 | | | | | | | | | | | |
| | | | | | | Bottom | 8.1 | 1 | 29.6 | 7.8 | | 21.8 | 5.3 | 78.6 | 14.7 | 11.9 | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.8 | 7.8 | | 21.6 | 5.3 | 78.9 | 14.0 | 11.4 | | | | | | | | | | | |
| | | | TCE-C2 | Cloudy | Moderate | 11:32 | 15.8 | Surface | 1.0 | 1 | 29.1 | 7.8 | 21.2 | 5.3 | 78.1 | 4.7 | 9.3 | 4.4 | 8.4 | 10.7 | | | | | | | |
| | | | | | | | | | 2 | 2 | 29.3 | 7.9 | 21.8 | 5.3 | 78.1 | 3.9 | 9.0 | | | | | | | | | | |
| | | | | | | | | Middle | 7.9 | 1 | 26.8 | 7.8 | 30.2 | 3.4 | 50.8 | 4.8 | 11.1 | | | | | | | | | | |
| | | | | | | | | | 2 | 2 | 27.0 | 7.8 | 30.0 | 3.4 | 51.0 | 4.7 | 10.8 | | | | | | | | | | |
| | | | | | | | | Bottom | 14.8 | 1 | 26.6 | 7.8 | 30.7 | 3.5 | 51.1 | 16.2 | 11.6 | | | | | | | | | | |
| | | | | | | | | | 2 | 2 | 26.8 | 7.8 | 30.4 | 3.4 | 51.0 | 15.9 | 12.3 | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Moderate | 12:45 | 8.3 | Surface | 1.0 | 1 | 30.2 | 7.8 | 19.7 | 6.7 | 98.6 | 3.6 | 6.1 | 6.2 | 11.8 | 7.4 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.4 | 8.0 | 19.5 | 6.7 | 98.9 | 3.6 | 6.8 | | | | | | | | | | | |
| | | | | | | | Middle | 4.2 | 1 | 29.7 | 7.8 | 20.9 | 5.6 | 82.9 | 14.1 | 7.0 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.9 | 7.9 | 20.7 | 5.6 | 82.1 | 13.0 | 7.0 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.3 | 1 | 28.8 | 7.8 | 25.6 | 3.9 | 57.9 | 18.2 | 8.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.0 | 7.7 | 25.3 | 3.8 | 57.4 | 18.2 | 9.0 | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 12:10 | 7 | Surface | 1.0 | 1 | 29.5 | 7.8 | 20.3 | 5.9 | 86.1 | 6.9 | 9.5 | 5.6 | 7.4 | 10.9 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.8 | 7.9 | 20.2 | 5.8 | 85.8 | 7.0 | 9.8 | | | | | | | | | | | |
| | | | | | | | Middle | 3.5 | 1 | 29.1 | 7.8 | 22.0 | 5.3 | 77.2 | 8.7 | 11.5 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.3 | 7.8 | 21.8 | 5.2 | 77.0 | 8.5 | 12.1 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.0 | 1 | 29.0 | 7.8 | 22.3 | 5.3 | 78.0 | 6.7 | 11.5 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.2 | 7.8 | 22.0 | 5.3 | 77.7 | 6.3 | 10.8 | | | | | | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 11:56 | 11 | Surface | 1.0 | 1 | 28.9 | 7.8 | 22.4 | 5.0 | 74.0 | 10.4 | 7.0 | 4.8 | 9.8 | 11.0 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.2 | 7.8 | 22.2 | 5.0 | 73.9 | 9.4 | 7.3 | | | | | | | | | | | |
| | | | | | | | Middle | 5.5 | 1 | 28.3 | 7.8 | 25.4 | 4.5 | 66.8 | 5.9 | 10.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.5 | 7.8 | 25.2 | 4.5 | 66.6 | 5.6 | 11.5 | | | | | | | | | | | |
| | | | | | | | Bottom | 10.0 | 1 | 28.0 | 7.8 | 26.5 | 4.4 | 64.6 | 13.9 | 15.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.2 | 7.8 | 26.3 | 4.3 | 64.2 | 13.5 | 14.5 | | | | | | | | | | | |
| | TCE-WQM3A | Cloudy | Moderate | 12:23 | 4.2 | Surface | 1.0 | 1 | 29.8 | 7.8 | 19.0 | 6.2 | 91.3 | 6.0 | 7.4 | 6.2 | 7.6 | 7.8 | | | | | | | | | |
| | | | | | | | 2 | 2 | 30.0 | 7.9 | 18.8 | 6.2 | 90.8 | 5.6 | 6.7 | | | | | | | | | | | | |
| | | | | | | Bottom | 3.2 | 1 | 29.5 | 7.8 | 20.2 | 5.8 | 85.0 | 9.6 | 8.6 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.8 | 7.9 | 20.0 | 5.7 | 84.4 | 9.3 | 8.3 | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Cloudy | Moderate | 12:32 | 3.9 | Surface | 1.0 | 1 | 30 | 7.8 | | | | 19 | 6.6 | 96.9 | 6.3 | 12.4 | 6.6 | 6.8 | 13.0 | |
| | | | | | | | | | | | | 2 | 2 | 30.2 | 7.9 | | | | 18.8 | 6.6 | 96.9 | 5.7 | 13 | | | | |
| | Bottom | 2.9 | 1 | 29.7 | 7.8 | | | | | | 20.6 | 6.1 | 89.7 | 7.4 | 13 | | | | | | | | | | | | |
| | | 2 | 2 | 29.9 | 7.9 | | | | | | 20.4 | 6 | 89.3 | 7.8 | 13.5 | | | | | | | | | | | | |

| 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) | | | | | | | | |
| 07/08/2018 | Mid-Ebb | TCE-C1 | Sunny | Moderate | 09:23 | 8.8 | Surface | 1.0 | 1 | 30.0 | 8.1 | 19.3 | 5.5 | 80.1 | 6.0 | 3.6 | 4.9 | 9.3 | 3.4 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.0 | 8.1 | 19.3 | 5.5 | 80.3 | 6.0 | 2.8 | | | | | | | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 29.5 | 8.0 | 22.3 | 4.3 | 63.5 | 5.8 | 2.7 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.5 | 8.0 | 22.4 | 4.3 | 63.5 | 5.6 | 3.9 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.8 | 1 | 28.2 | 8.0 | 29.1 | 4.3 | 64.6 | 16.3 | 3.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.2 | 8.0 | 29.1 | 4.2 | 63.8 | 16.3 | 3.8 | | | | | | | | | | | |
| | | TCE-C2 | Sunny | Calm | 09:02 | 11.3 | Surface | 1.0 | 1 | 29.6 | 7.9 | 20.6 | 5.7 | 84.3 | 2.4 | 3.0 | 5.7 | 2.5 | 4.6 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.4 | 7.7 | 20.8 | 5.8 | 84.4 | 2.2 | 3.1 | | | | | | | | | | | |
| | | | | | | | Middle | 5.7 | 1 | 29.5 | 7.9 | 21.3 | 5.5 | 81.6 | 2.4 | 3.5 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.3 | 7.7 | 21.5 | 5.6 | 81.7 | 2.3 | 3.8 | | | | | | | | | | | |
| | | | | | | | Bottom | 10.3 | 1 | 29.4 | 7.9 | 22.2 | 5.3 | 78.6 | 2.8 | 6.7 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.2 | 7.7 | 22.4 | 5.3 | 78.6 | 2.6 | 7.5 | | | | | | | | | | | |
| | | TCE-WQM1 | Sunny | Calm | 10:24 | 8.8 | Surface | 1.0 | 1 | 30.2 | 7.9 | 20.4 | 5.5 | 81.0 | 4.4 | 2.8 | 5.1 | 4.9 | 3.5 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.0 | 7.7 | 20.5 | 5.5 | 81.1 | 4.2 | 3.1 | | | | | | | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 29.9 | 7.9 | 21.2 | 4.7 | 68.9 | 4.7 | 2.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.6 | 7.7 | 21.4 | 4.7 | 69.3 | 4.6 | 3.8 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.8 | 1 | 29.0 | 7.8 | 25.2 | 3.2 | 48.1 | 5.9 | 4.0 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.8 | 7.7 | 25.5 | 3.2 | 48.2 | 5.7 | 4.1 | | | | | | | | | | | |
| | | TCE-WQM2a | Sunny | Calm | 09:45 | 7 | Surface | 1.0 | 1 | 29.7 | 7.9 | 21.1 | 5.8 | 85.7 | 3.4 | 1.9 | 5.3 | 9.3 | 2.8 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.5 | 7.7 | 21.3 | 5.8 | 85.4 | 3.3 | 2.8 | | | | | | | | | | | |
| | | | | | | | Middle | 3.5 | 1 | 29.0 | 7.9 | 23.9 | 4.8 | 71.0 | 4.9 | 2.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.8 | 7.7 | 23.4 | 4.8 | 71.1 | 4.8 | 3.1 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.0 | 1 | 28.6 | 7.9 | 25.0 | 4.8 | 71.0 | 19.8 | 3.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.4 | 7.7 | 25.2 | 4.8 | 71.2 | 19.6 | 2.7 | | | | | | | | | | | |
| | TCE-WQM2b | Sunny | Moderate | 09:34 | 10 | Surface | 1.0 | 1 | 29.7 | 7.9 | 18.6 | 5.3 | 77.6 | 3.2 | 1.6 | 4.8 | 4.0 | 2.7 | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.5 | 7.7 | 18.8 | 5.3 | 77.5 | 3.0 | 2.5 | | | | | | | | | | | | |
| | | | | | | Middle | 5.0 | 1 | 29.1 | 7.8 | 23.4 | 4.2 | 61.6 | 4.2 | 2.0 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 28.8 | 7.7 | 23.7 | 4.2 | 61.7 | 4.1 | 3.2 | | | | | | | | | | | | |
| | | | | | | Bottom | 9.0 | 1 | 29.0 | 7.8 | 23.8 | 4.1 | 61.4 | 4.7 | 2.8 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 28.7 | 7.7 | 24.0 | 4.2 | 61.4 | 4.6 | 3.9 | | | | | | | | | | | | |
| | TCE-WQM3A | Sunny | Calm | 09:58 | 3.5 | Surface | 1.0 | 1 | 30.0 | 7.9 | 19.9 | 5.4 | 79.0 | 5.7 | 5.6 | 5.4 | 6.8 | 5.5 | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.7 | 20.1 | 5.4 | 78.9 | 5.6 | 5.1 | | | | | | | | | | | | |
| | | | | | | Bottom | 2.5 | 1 | 29.8 | 7.9 | 20.1 | 5.2 | 76.2 | 8.0 | 5.3 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.6 | 7.7 | 20.4 | 5.2 | 75.8 | 7.9 | 5.8 | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Sunny | Calm | 10:09 | 3.1 | Surface | 1.0 | 1 | 30.1 | 7.9 | | | | 20.7 | 5.5 | 81.8 | 5.2 | 3.9 | 5.6 | 5.0 | 4.3 | |
| | | | | | | | | | | | | 2 | 2 | 29.9 | 7.7 | | | | 21.0 | 5.6 | 82.2 | 5.0 | 4.4 | | | | |
| | Bottom | 2.1 | 1 | 30.1 | 7.9 | | | | | | 20.8 | 5.5 | 81.1 | 5.0 | 4.5 | | | | | | | | | | | | |
| | | 2 | 2 | 29.8 | 7.7 | | | | | | 21.0 | 5.4 | 80.2 | 4.9 | 4.2 | | | | | | | | | | | | |
| | Mid-Flood | TCE-C1 | Cloudy | Calm | 15:43 | | | | | | 8.9 | Surface | 1.0 | 1 | 30.4 | 8.1 | 14.6 | 6.6 | 94.8 | 7.3 | 3.4 | 5.6 | 8.9 | | | | 4.7 |
| | | | | | | | | | | | | | 2 | 2 | 30.4 | 8.1 | 14.5 | 6.6 | 94.8 | 7.3 | 3.8 | | | | | | |
| | | | | | | Middle | 4.5 | 1 | 29.7 | 8.0 | | 21.4 | 4.5 | 67.1 | 7.9 | 3.5 | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 8.0 | | 21.3 | 4.6 | 67.5 | 7.8 | 3.9 | | | | | | | | | | | |
| | | | | | | Bottom | 7.9 | 1 | 28.7 | 8.0 | | 27.3 | 4.1 | 61.4 | 11.4 | 6.6 | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 28.7 | 8.0 | | 27.3 | 4.0 | 60.8 | 11.6 | 6.7 | | | | | | | | | | | |
| | | | | | | TCE-C2 | Cloudy | Moderate | 15:48 | 11.2 | | Surface | 1.0 | 1 | 29.2 | 8.0 | 22.5 | 5.7 | 83.5 | 3.3 | 4.2 | | | 4.8 | 8.4 | 6.9 | |
| | | | | | | | | | | | | | 2 | 2 | 29.0 | 7.7 | 22.7 | 5.6 | 83.0 | 3.2 | 3.9 | | | | | | |
| | | | | | | | | | | | | Middle | 5.6 | 1 | 27.5 | 7.9 | 27.9 | 3.9 | 57.2 | 9.0 | 6.6 | | | | | | |
| | | | | | | | | | | | | | 2 | 2 | 27.3 | 7.7 | 28.2 | 3.9 | 57.1 | 8.8 | 6.3 | | | | | | |
| Bottom | | | | | | | | | | | | 10.2 | 1 | 27.1 | 7.8 | 28.9 | 3.9 | 57.1 | 13.0 | 9.8 | | | | | | | |
| | | | | | | | | | | | | 2 | 2 | 26.9 | 7.7 | 29.2 | 3.9 | 57.3 | 12.8 | 10.8 | | | | | | | |
| TCE-WQM1 | | Cloudy | Calm | 14:37 | 8.2 | Surface | 1.0 | 1 | 30.2 | 8.0 | 20.4 | 6.2 | 91.7 | 3.4 | 2.0 | 5.8 | 6.8 | 2.9 | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.9 | 7.7 | 20.6 | 6.2 | 91.1 | 3.3 | 2.9 | | | | | | | | | | | | |
| | | | | | | Middle | 4.1 | 1 | 30.2 | 7.9 | 21.1 | 5.3 | 78.9 | 6.0 | 2.4 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.9 | 7.7 | 21.4 | 5.3 | 78.2 | 5.9 | 3.1 | | | | | | | | | | | | |
| | | | | | | Bottom | 7.2 | 1 | 29.0 | 7.7 | 26.0 | 2.9 | 43.9 | 11.0 | 3.9 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 28.7 | 7.7 | 26.2 | 3.0 | 44.3 | 10.9 | 3.1 | | | | | | | | | | | | |
| TCE-WQM2a | | Cloudy | Calm | 15:08 | 5.7 | Surface | 1.0 | 1 | 30.0 | 8.0 | 20.7 | 6.1 | 90.1 | 7.7 | 4.1 | 6.1 | 9.1 | 5.0 | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.7 | 21.0 | 6.0 | 88.9 | 7.6 | 4.2 | | | | | | | | | | | | |
| | | | | | | Bottom | 4.7 | 1 | 29.6 | 7.8 | 22.7 | 4.7 | 70.5 | 10.5 | 5.3 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.4 | 7.7 | 23.0 | 4.8 | 70.8 | 10.4 | 6.4 | | | | | | | | | | | | |
| | | | | | | TCE-WQM2b | Cloudy | Moderate | 15:20 | 7.9 | Surface | 1.0 | 1 | 29.6 | 7.9 | | | | 21.7 | 5.2 | 77.1 | 3.3 | 2.9 | 5.1 | 5.1 | 3.7 | |
| | | | | | | | | | | | | 2 | 2 | 29.3 | 7.7 | | | | 21.9 | 5.2 | 76.9 | 3.2 | 3.4 | | | | |
| Middle | 4.0 | 1 | 29.1 | 7.9 | 23.2 | | | | | | 4.9 | 72.6 | 5.9 | 4.0 | | | | | | | | | | | | | |
| | 2 | 2 | 28.9 | 7.7 | 23.4 | | | | | | 4.9 | 72.5 | 5.7 | 3.3 | | | | | | | | | | | | | |
| Bottom | 6.9 | 1 | 29.1 | 7.9 | 23.2 | | | | | | 4.9 | 73.2 | 6.3 | 3.9 | | | | | | | | | | | | | |
| | 2 | 2 | 28.9 | 7.7 | 23.5 | | | | | | 5.0 | 73.3 | 6.2 | 4.5 | | | | | | | | | | | | | |
| TCE-WQM3A | Cloudy | Calm | 14:58 | 3.2 | Surface | 1.0 | 1 | 30.2 | 8.0 | 21.0 | 6.3 | 94.0 | 7.2 | 6.2 | 6.4 | 9.7 | 6.2 | | | | | | | | | | |
| | | | | | | 2 | 2 | 29.9 | 7.7 | 21.2 | 6.4 | 94.3 | 7.0 | 5.5 | | | | | | | | | | | | | |
| | | | | | Bottom | 2.2 | 1 | 30.0 | 7.9 | 21.4 | 6.0 | 88.5 | 12.4 | 6.1 | | | | | | | | | | | | | |
| | | | | | | 2 | 2 | 29.7 | 7.7 | 21.6 | 5.9 | 87.2 | 12.2 | 7.1 | | | | | | | | | | | | | |
| | | | | | TCE-WQM4 | Cloudy | Calm | 14:49 | 2.9 | Middle | 1.5 | 1 | 29.9 | 7.9 | | | | 22.3 | 5.4 | 80.3 | 10.6 | 3.7 | 6.0 | 10.6 | 3.9 | | |
| | | | | | | | | | | | 2 | 2 | 29.7 | 7.7 | | | | 22.5 | 5.4 | 80.3 | 10.6 | 4.1 | | | | | |

| 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) | | | | | | | | |
| 09/08/2018 | Mid-Ebb | TCE-C1 | Sunny | Moderate | 11:40 | 8.7 | Surface | 1.0 | 1 | 30.0 | 8.3 | 23.4 | 6.4 | 96.4 | 7.2 | 4.0 | 5.5 | 15.1 | 4.3 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.0 | 8.3 | 23.4 | 6.4 | 96.6 | 7.2 | 3.6 | | | | | | | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 29.1 | 8.1 | 26.9 | 4.5 | 67.6 | 17.8 | 4.3 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.1 | 8.1 | 26.8 | 4.5 | 67.4 | 17.6 | 4.4 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.7 | 1 | 29.0 | 8.1 | 27.3 | 4.4 | 66.2 | 20.5 | 5.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.0 | 8.1 | 27.3 | 4.4 | 65.9 | 20.3 | 4.4 | | | | | | | | | | | |
| | | TCE-C2 | Fine | Moderate | 11:11 | 13.4 | Surface | 1.0 | 1 | 28.7 | 7.9 | 25.1 | 5.5 | 82.3 | 2.6 | 5.5 | 5.4 | 6.5 | 5.7 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.0 | 7.9 | 24.9 | 5.5 | 82.3 | 2.8 | 5.2 | | | | | | | | | | | |
| | | | | | | | Middle | 6.7 | 1 | 28.6 | 7.9 | 25.4 | 5.3 | 78.8 | 2.7 | 6.0 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.8 | 7.9 | 25.1 | 5.3 | 78.9 | 3.1 | 5.2 | | | | | | | | | | | |
| | | | | | | | Bottom | 12.4 | 1 | 27.8 | 7.9 | 27.0 | 4.1 | 60.0 | 14.2 | 5.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.0 | 7.9 | 26.8 | 4.1 | 60.1 | 13.8 | 6.4 | | | | | | | | | | | |
| | | TCE-WQM1 | Fine | Moderate | 12:38 | 8.5 | Surface | 1.0 | 1 | 29.8 | 7.9 | 24.0 | 6.4 | 96.4 | 9.1 | 8.0 | 5.6 | 11.2 | 8.3 | | | | | | | | |
| | | | | | | | | 2 | 2 | 30.0 | 8.0 | 23.8 | 6.4 | 96.6 | 9.2 | 7.7 | | | | | | | | | | | |
| | | | | | | | Middle | 4.3 | 1 | 29.0 | 7.9 | 24.8 | 4.8 | 70.9 | 9.7 | 8.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.2 | 7.9 | 24.5 | 4.8 | 71.3 | 9.1 | 8.5 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.5 | 1 | 28.8 | 7.9 | 25.6 | 4.4 | 65.9 | 15.2 | 8.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.0 | 7.8 | 25.5 | 4.4 | 66.0 | 15.0 | 8.4 | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 12:02 | 7.3 | Surface | 1.0 | 1 | 29.6 | 7.9 | 24.1 | 6.6 | 98.7 | 3.8 | 5.8 | 6.1 | 5.3 | 6.5 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.8 | 8.0 | 23.9 | 6.6 | 98.7 | 3.8 | 5.6 | | | | | | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 29.0 | 7.9 | 24.7 | 5.5 | 81.4 | 4.1 | 6.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.2 | 7.9 | 24.4 | 5.5 | 81.6 | 3.9 | 6.6 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.3 | 1 | 28.3 | 7.9 | 26.0 | 4.5 | 67.4 | 8.1 | 7.5 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.6 | 7.9 | 25.7 | 4.5 | 67.0 | 7.9 | 7.9 | | | | | | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 11:48 | 11.5 | Surface | 1.0 | 1 | 29.1 | 7.9 | 24.0 | 5.2 | 77.8 | 7.0 | 2.9 | 4.9 | 12.0 | 6.1 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.4 | 7.9 | 23.8 | 5.2 | 77.8 | 7.1 | 3.0 | | | | | | | | | | | |
| | | | | | | | Middle | 5.8 | 1 | 28.8 | 8.0 | 24.9 | 4.5 | 66.3 | 13.6 | 6.0 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.0 | 7.9 | 24.7 | 4.5 | 66.5 | 13.9 | 5.4 | | | | | | | | | | | |
| | | | | | | | Bottom | 10.5 | 1 | 28.8 | 8.0 | 25.1 | 4.5 | 67.2 | 15.0 | 9.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.0 | 7.9 | 24.8 | 4.5 | 66.4 | 15.5 | 9.8 | | | | | | | | | | | |
| | TCE-WQM3A | Fine | Moderate | 12:15 | 4.4 | Surface | 1.0 | 1 | 29.6 | 7.9 | 23.9 | 5.6 | 83.9 | 9.0 | 11.3 | 5.6 | 9.3 | 13.4 | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.8 | 7.9 | 23.7 | 5.6 | 83.9 | 9.3 | 12.2 | | | | | | | | | | | | |
| | | | | | | Bottom | 3.4 | 1 | 29.4 | 7.9 | 24.4 | 5.4 | 81.3 | 9.5 | 15.2 | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | 29.7 | 7.9 | 24.1 | 5.4 | 81.4 | 9.3 | 14.8 | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Fine | Moderate | 12:25 | 2.8 | Middle | 1.4 | 1 | 29.7 | 7.9 | | | | 24.1 | 6.8 | 101.5 | 5.2 | 7.0 | 6.8 | 5.3 | 6.7 | |
| | | | | | | | | | | | | 2 | 2 | 29.9 | 8.0 | | | | 23.8 | 6.8 | 102.3 | 5.4 | 6.4 | | | | |
| | Mid-Flood | TCE-C1 | Fine | Moderate | 17:45 | 7.5 | Surface | 1.0 | 1 | 29.7 | 8.1 | 23.7 | 5.1 | 76.9 | 13.5 | 14.2 | 4.8 | 14.2 | 15.2 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.7 | 8.1 | 23.7 | 5.1 | 77.0 | 13.4 | 14.4 | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 29.5 | 8.0 | 24.5 | 4.4 | 66.6 | 13.1 | 15.5 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.5 | 8.1 | 24.5 | 4.4 | 66.7 | 13.6 | 15.5 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 29.3 | 8.0 | 25.3 | 4.5 | 67.5 | 15.7 | 15.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.3 | 8.0 | 25.3 | 4.5 | 67.3 | 15.7 | 15.6 | | | | | | | | | | | |
| | | | TCE-C2 | Fine | Moderate | 18:10 | 13.4 | Surface | 1.0 | 1 | 28.7 | 7.9 | 25.7 | 4.8 | 71.9 | 8.9 | 6.4 | 4.7 | 13.8 | 7.4 | | | | | | | |
| | | | | | | | | | 2 | 2 | 28.5 | 7.8 | 26.0 | 4.8 | 71.7 | 8.8 | 6.0 | | | | | | | | | | |
| | | | | | | | | Middle | 6.7 | 1 | 27.7 | 7.9 | 28.1 | 4.5 | 66.1 | 12.9 | 6.8 | | | | | | | | | | |
| | | | | | | | | | 2 | 2 | 27.5 | 7.9 | 28.3 | 4.5 | 66.0 | 13.2 | 6.8 | | | | | | | | | | |
| | | | | | | | | Bottom | 12.4 | 1 | 27.4 | 7.9 | 28.5 | 4.0 | 59.3 | 19.5 | 9.4 | | | | | | | | | | |
| | | | | | | | | | 2 | 2 | 27.2 | 7.9 | 28.8 | 4.0 | 59.1 | 19.3 | 9.1 | | | | | | | | | | |
| | | | TCE-WQM1 | Fine | Calm | 16:42 | 7.6 | Surface | 1.0 | 1 | 30.2 | 8.1 | 24.3 | 7.4 | 112.5 | 9.8 | 9.0 | 7.3 | 13.3 | 9.9 | | | | | | | |
| | | | | | | | | | 2 | 2 | 29.9 | 7.9 | 24.5 | 7.4 | 112.2 | 9.8 | 8.8 | | | | | | | | | | |
| | | | | | | | | Middle | 3.8 | 1 | 30.2 | 8.1 | 24.4 | 7.2 | 108.9 | 10.0 | 9.6 | | | | | | | | | | |
| | | | | | | | | | 2 | 2 | 29.9 | 7.9 | 24.7 | 7.1 | 107.5 | 10.3 | 9.4 | | | | | | | | | | |
| | | | | | | | | Bottom | 6.6 | 1 | 29.5 | 8.0 | 25.2 | 5.4 | 81.4 | 19.6 | 10.9 | | | | | | | | | | |
| | | | | | | | | | 2 | 2 | 29.2 | 7.9 | 25.4 | 5.4 | 81.0 | 20.4 | 11.4 | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 17:20 | 7.9 | Surface | 1.0 | 1 | 29.4 | 8.0 | 24.6 | 6.7 | 100.3 | 5.0 | 8.4 | 6.6 | 7.4 | 8.7 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.1 | 7.9 | 24.8 | 6.7 | 100.0 | 5.4 | 7.1 | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 29.3 | 8.0 | 24.7 | 6.4 | 95.5 | 6.8 | 9.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.1 | 7.8 | 24.9 | 6.4 | 95.2 | 6.5 | 8.2 | | | | | | | | | | | |
| | | | | | | | Bottom | 6.9 | 1 | 29.2 | 8.0 | 24.8 | 6.0 | 90.2 | 10.4 | 10.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.9 | 7.8 | 25.1 | 6.0 | 90.1 | 10.4 | 9.1 | | | | | | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 17:32 | 8.1 | Surface | 1.0 | 1 | 29.0 | 7.9 | 25.0 | 5.0 | 74.5 | 11.2 | 11.8 | 4.9 | 14.6 | 13.6 | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.8 | 7.8 | 25.2 | 5.0 | 74.6 | 11.5 | 11.2 | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 28.9 | 7.9 | 25.2 | 4.8 | 71.8 | 13.6 | 14.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.7 | 7.8 | 25.5 | 4.8 | 71.8 | 14.1 | 13.5 | | | | | | | | | | | |
| | | | | | | | Bottom | 7.1 | 1 | 28.9 | 7.9 | 25.3 | 4.8 | 71.0 | 18.3 | 15.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.6 | 7.8 | 25.6 | 4.8 | 71.0 | 18.7 | 15.2 | | | | | | | | | | | |
| | | TCE-WQM3A | Fine | Calm | 17:09 | 4.2 | Surface | 1.0 | 1 | 29.4 | 8.0 | 24.8 | 6.0 | 90.4 | 10.9 | 12.4 | 6.0 | 11.8 | 13.0 | | | | | | | | |
| | | | | | | | | 2 | 2 | 29.1 | 7.8 | 25.0 | 6.0 | 89.7 | 10.8 | 12.6 | | | | | | | | | | | |
| | | | | | | | Bottom | 3.2 | 1 | 29.0 | 7.9 | 25.2 | 4.5 | 67.4 | 12.5 | 12.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 2 | 28.8 | 7.8 | 25.5 | 4.5 | 67.0 | 12.8 | 14.0 | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Fine | Calm | 16:57 | 3.2 | Surface | 1.0 | 1 | 29.7 | 8.0 | | | | 24.7 | 7.0 | 105.3 | 9.7 | 12.0 | 7.0 | 14.3 | 13.1 |
| | | | | | | | | | | | | | 2 | 2 | 29.4 | 7.9 | | | | 25.0 | 7.0 | 104.7 | 9.9 | 12.0 | | | |
| | | Bottom | 2.2 | 1 | 29.5 | 8 | 24.9 | 6.6 | 99 | 18.7 | 14.4 | | | | | | | | | | | | | | | | |
| | | | 2 | 2 | 29.2 | 7.9 | 25.1 | 6.5 | 97.7 | 18.8 | 13.8 | | | | | | | | | | | | | | | | |

| 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) | | | | | | | | | |
| 11/08/2018 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 11:34 | 7.9 | Surface | 1.0 | 1 | 28.7 | 7.9 | 23.7 | 5.1 | 75.9 | 9.0 | 5.8 | 5.1 | 10.7 | 6.2 | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 7.8 | 24.0 | 5.2 | 76.9 | 10.3 | 6.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 28.7 | 7.9 | 23.7 | 5.1 | 74.6 | 9.6 | 5.9 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.8 | 24.0 | 5.1 | 75.0 | 11.9 | 6.5 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.9 | 1 | 28.7 | 7.9 | 23.7 | 5.0 | 74.4 | 10.8 | 6.8 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.8 | 24.0 | 5.0 | 74.2 | 12.8 | 6.0 | | | | | | | | | | | | | |
| | | TCE-C2 | Rainy | Moderate | 12:30 | 13.4 | Surface | 1.0 | 1 | 28.5 | 7.9 | 24.8 | 5.1 | 74.9 | 5.6 | 5.8 | 4.9 | 8.0 | 6.5 | | | | | | | | | |
| | | | | | | | | 2 | 28.2 | 7.8 | 25.0 | 5.1 | 74.7 | 4.9 | 6.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.7 | 1 | 28.3 | 7.9 | 25.6 | 4.7 | 69.4 | 6.9 | 6.5 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.8 | 25.8 | 4.7 | 69.3 | 6.2 | 6.9 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 12.4 | 1 | 28.1 | 7.9 | 26.6 | 4.4 | 65.3 | 12.5 | 6.9 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.8 | 7.8 | 26.8 | 4.4 | 65.4 | 11.7 | 6.8 | | | | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Moderate | 13:55 | 8 | Surface | 1.0 | 1 | 28.4 | 7.9 | 21.5 | 5.6 | 81.6 | 4.4 | 5.9 | 5.2 | 8.6 | 6.2 | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.8 | 21.7 | 5.6 | 81.5 | 4.9 | 6.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 28.7 | 7.9 | 24.5 | 4.7 | 70.2 | 9.0 | 6.0 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.8 | 24.8 | 4.7 | 69.9 | 8.6 | 5.2 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.0 | 1 | 28.8 | 7.9 | 25.7 | 4.7 | 69.8 | 12.9 | 6.6 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.8 | 25.9 | 4.7 | 69.6 | 11.9 | 7.1 | | | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 13:18 | 7.6 | Surface | 1.0 | 1 | 28.5 | 7.9 | 24.3 | 5.3 | 78.7 | 4.5 | 3.9 | 5.1 | 7.0 | 4.6 | | | | | | | | | |
| | | | | | | | | 2 | 28.2 | 7.8 | 24.6 | 5.4 | 78.6 | 4.9 | 4.3 | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 28.4 | 7.9 | 25.1 | 4.9 | 72.7 | 6.5 | 4.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.2 | 7.8 | 25.4 | 4.9 | 72.5 | 6.3 | 4.7 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.6 | 1 | 28.3 | 7.9 | 26.1 | 4.6 | 67.9 | 9.8 | 5.0 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 7.8 | 26.4 | 4.6 | 68.0 | 9.7 | 4.7 | | | | | | | | | | | | | |
| | TCE-WQM2b | Cloudy | Moderate | 13:04 | 11.8 | Surface | 1.0 | 1 | 28.5 | 7.8 | 24.0 | 5.2 | 77.1 | 6.2 | 8.2 | 5.1 | 10.9 | 12.0 | | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 7.9 | 23.7 | 5.2 | 77.3 | 6.6 | 7.8 | | | | | | | | | | | | | | |
| | | | | | | Middle | 5.9 | 1 | 28.5 | 7.8 | 24.7 | 5.0 | 73.7 | 10.6 | 12.7 | | | | | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 7.9 | 24.4 | 5.0 | 73.9 | 10.7 | 13.3 | | | | | | | | | | | | | | |
| | | | | | | Bottom | 10.8 | 1 | 28.5 | 7.8 | 24.8 | 5.0 | 73.2 | 15.1 | 14.8 | | | | | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 7.9 | 24.5 | 5.0 | 73.4 | 16.0 | 15.4 | | | | | | | | | | | | | | |
| | TCE-WQM3A | Cloudy | Moderate | 13:32 | 4.2 | Surface | 1.0 | 1 | 28.6 | 7.8 | 23.3 | 5.0 | 72.9 | 10.6 | 15.9 | 5.0 | 11.4 | 16.6 | | | | | | | | | | |
| | | | | | | | 2 | 28.3 | 7.8 | 23.5 | 5.0 | 72.7 | 11.7 | 16.2 | | | | | | | | | | | | | | |
| | | | | | | Bottom | 3.2 | 1 | 28.7 | 7.9 | 24.1 | 5.2 | 77.2 | 11.5 | 16.6 | | | | | | | | | | | | | |
| | | | | | | | 2 | 28.4 | 7.8 | 24.4 | 5.2 | 77.2 | 11.6 | 17.8 | | | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Cloudy | Moderate | 13:42 | 3.5 | Surface | 1.0 | 1 | 28.6 | 7.9 | | | | 23.8 | 5.4 | 79.0 | 5.5 | 4.8 | 5.4 | 7.0 | 5.7 | | |
| | | | | | | | | | | | | 2 | 28.4 | 7.8 | 24.1 | | | | 5.4 | 78.8 | 5.6 | 4.3 | | | | | | |
| | Bottom | 2.5 | 1 | 28.6 | 7.9 | | | | | | 23.9 | 5.3 | 78.1 | 8.9 | 6.6 | | | | | | | | | | | | | |
| | | 2 | 28.3 | 7.8 | 24.2 | | | | | | 5.3 | 78.0 | 8.1 | 7.2 | | | | | | | | | | | | | | |
| | 6/08/2018 | Mid-Flood | TCE-C1 | Cloudy | Moderate | | | | | | 19:47 | 7.3 | Surface | 1.0 | 1 | 28.7 | 7.9 | 23.8 | 5.2 | 76.6 | 10.3 | 9.8 | 5.2 | | | | 11.6 | 9.8 |
| | | | | | | | | | | | | | | 2 | 28.4 | 7.8 | 24.0 | 5.2 | 76.9 | 10.3 | 10.4 | | | | | | | |
| | | | | | | Middle | 3.7 | 1 | 28.7 | 7.9 | | | 23.8 | 5.1 | 75.4 | 11.9 | 9.7 | | | | | | | | | | | |
| | | | | | | | 2 | 28.5 | 7.8 | 24.0 | | | 5.1 | 75.0 | 11.9 | 9.9 | | | | | | | | | | | | |
| | | | | | | Bottom | 6.3 | 1 | 28.7 | 7.9 | | | 23.8 | 5.0 | 74.4 | 12.5 | 9.2 | | | | | | | | | | | |
| | | | | | | | 2 | 28.5 | 7.8 | 24.0 | | | 5.0 | 74.2 | 12.8 | 9.7 | | | | | | | | | | | | |
| | | | TCE-C2 | Cloudy | Moderate | 19:39 | 13.5 | Surface | 1.0 | 1 | 28.6 | 7.8 | 24.5 | 5.1 | 75.4 | 5.1 | 7.2 | 4.8 | 10.7 | 8.0 | | | | | | | | |
| | | | | | | | | | 2 | 28.3 | 7.8 | 24.8 | 5.1 | 75.2 | 5.5 | 6.1 | | | | | | | | | | | | |
| | | | | | | | | Middle | 6.8 | 1 | 28.1 | 7.8 | 26.1 | 4.5 | 66.1 | 10.4 | 8.3 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 7.8 | 26.4 | 4.5 | 65.9 | 10.0 | 8.9 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 12.5 | 1 | 27.9 | 7.8 | 26.7 | 4.3 | 64.0 | 16.9 | 9.0 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.7 | 7.8 | 27.0 | 4.3 | 64.1 | 16.2 | 8.6 | | | | | | | | | | | | |
| | | | TCE-WQM1 | Cloudy | Moderate | 18:13 | 7.7 | Surface | 1.0 | 1 | 28.6 | 7.8 | 23.9 | 5.1 | 75.5 | 10.7 | 9.4 | 5.1 | 17.9 | 13.2 | | | | | | | | |
| | | | | | | | | | 2 | 28.3 | 7.8 | 24.1 | 5.1 | 75.5 | 10.1 | 9.2 | | | | | | | | | | | | |
| | | | | | | | | Middle | 3.9 | 1 | 28.7 | 7.9 | 24.2 | 5.1 | 75.1 | 19.2 | 11.5 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.5 | 7.8 | 24.5 | 5.1 | 75.0 | 20.0 | 12.1 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 6.7 | 1 | 28.7 | 7.9 | 24.3 | 5.1 | 76.0 | 23.4 | 18.2 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.5 | 7.8 | 24.5 | 5.2 | 76.0 | 23.7 | 18.8 | | | | | | | | | | | | |
| | | | TCE-WQM2a | Cloudy | Moderate | 18:50 | 6.7 | Surface | 1.0 | 1 | 28.7 | 7.8 | 23.4 | 5.4 | 78.6 | 5.1 | 5.4 | 5.3 | 11.1 | 6.5 | | | | | | | | |
| | | | | | | | | | 2 | 28.4 | 7.8 | 23.6 | 5.4 | 78.5 | 5.5 | 5.4 | | | | | | | | | | | | |
| | | | | | | | | Middle | 3.4 | 1 | 28.7 | 7.8 | 23.8 | 5.2 | 76.6 | 9.3 | 6.8 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.4 | 7.8 | 24.1 | 5.2 | 76.5 | 9.6 | 6.3 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 5.7 | 1 | 28.6 | 7.8 | 24.1 | 5.1 | 75.0 | 18.3 | 7.1 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.4 | 7.8 | 24.4 | 5.1 | 74.9 | 18.9 | 7.9 | | | | | | | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 19:04 | 9.5 | Surface | 1.0 | 1 | 28.6 | 7.8 | 23.7 | 5.0 | 74.1 | 14.9 | 20.8 | 5.0 | 19.2 | 22.1 | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 7.8 | 23.9 | 5.0 | 74.0 | 16.0 | 21.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.8 | 1 | 28.6 | 7.8 | 24.1 | 5.0 | 73.2 | 18.6 | 22.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.8 | 24.4 | 5.0 | 73.0 | 18.2 | 22.3 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.5 | 1 | 28.5 | 7.8 | 24.5 | 4.9 | 72.6 | 23.9 | 22.5 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.8 | 24.8 | 4.9 | 72.5 | 23.7 | 23.2 | | | | | | | | | | | | | |
| | | TCE-WQM3A | Cloudy | Moderate | 18:38 | 3.6 | Surface | 1.0 | 1 | 28.6 | 7.8 | 24.7 | 4.8 | 70.8 | 15.5 | 13.0 | 4.8 | 15.9 | 15.0 | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.8 | 25.0 | 4.8 | 70.8 | 15.3 | 13.5 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.6 | 1 | 28.6 | 7.8 | 24.7 | 4.8 | 71.0 | 16.5 | 17.4 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.8 | 25.0 | 4.8 | 70.9 | 16.2 | 16.2 | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Cloudy | Moderate | 18:27 | 3.5 | Surface | 1.0 | 1 | 28.6 | 7.8 | | | | 24.4 | 5.2 | 77.1 | 19.1 | 12.3 | 5.2 | 17.9 | 12.2 | |
| | | | | | | | | | | | | | 2 | 28.3 | 7.8 | 24.7 | | | | 5.2 | 77 | 19.9 | 11.7 | | | | | |
| | | Bottom | 2.5 | 1 | 28.6 | 7.8 | | | | | | 24.4 | 5.3 | 77.9 | 16.4 | 12.2 | | | | | | | | | | | | |
| | | | 2 | 28.3 | 7.8 | 24.7 | | | | | | 5.3 | 77.8 | 16.3 | 12.7 | | | | | | | | | | | | | |

| 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) | | | | | | | | | | |
| 16/08/2018 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 16:17 | 9.1 | Surface | 1.0 | 1 | 29.1 | 8.1 | 21.9 | 5.7 | 84.2 | 8.3 | 4.3 | 5.6 | 10.9 | 4.2 | | | | | | | | | | |
| | | | | | | | | 2 | 29.1 | 8.1 | 21.9 | 5.7 | 84.3 | 8.3 | 4.4 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.6 | 1 | 28.8 | 8.2 | 26.1 | 5.4 | 81.4 | 11.3 | 4.3 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 8.2 | 26.1 | 5.4 | 81.4 | 11.3 | 3.9 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.1 | 1 | 28.8 | 8.2 | 27.7 | 5.4 | 81.4 | 13.1 | 4.0 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 8.2 | 27.7 | 5.4 | 81.3 | 13.2 | 4.1 | | | | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 16:08 | 13.4 | Surface | 1.0 | 1 | 28.6 | 7.8 | 24.3 | 5.3 | 77.7 | 2.2 | 6.6 | 5.1 | 6.4 | 7.4 | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 24.0 | 5.3 | 78.1 | 5.0 | 6.8 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.7 | 1 | 28.3 | 7.8 | 25.1 | 4.8 | 70.7 | 7.3 | 6.2 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.6 | 7.9 | 24.8 | 4.8 | 71.0 | 7.2 | 7.3 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 12.4 | 1 | 27.9 | 7.8 | 27.5 | 4.5 | 66.1 | 8.3 | 8.3 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.9 | 27.2 | 4.4 | 66.1 | 8.6 | 9.4 | | | | | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Moderate | 14:56 | 8.2 | Surface | 1.0 | 1 | 28.9 | 7.8 | 23.8 | 5.3 | 78.2 | 9.2 | 12.3 | 5.3 | 9.5 | 14.8 | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.9 | 23.8 | 5.3 | 78.2 | 9.4 | 12.7 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 28.9 | 7.8 | 23.8 | 5.3 | 78.1 | 8.4 | 15.5 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.9 | 23.8 | 5.3 | 78.1 | 8.8 | 15.4 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 28.7 | 7.8 | 24.1 | 5.3 | 78.3 | 10.7 | 16.3 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.9 | 23.8 | 5.3 | 78.4 | 10.7 | 16.7 | | | | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 15:29 | 7.6 | Surface | 1.0 | 1 | 28.4 | 7.8 | 24.7 | 5.2 | 76.0 | 5.1 | 8.1 | 5.0 | 5.6 | 8.1 | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 7.9 | 24.4 | 5.1 | 76.1 | 4.3 | 7.9 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 28.2 | 7.8 | 25.6 | 4.8 | 70.3 | 5.5 | 8.1 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.9 | 25.3 | 4.7 | 70.3 | 5.1 | 8.7 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.6 | 1 | 28.2 | 7.8 | 26.0 | 4.7 | 69.6 | 6.8 | 7.8 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 7.9 | 25.8 | 4.7 | 69.5 | 6.8 | 8.1 | | | | | | | | | | | | | | |
| | | TCE-WQM2b | Rainy | Moderate | 15:46 | 9.6 | Surface | 1.0 | 1 | 28.8 | 7.8 | 22.4 | 5.6 | 82.2 | 2.8 | 6.0 | 5.5 | 6.8 | 7.9 | | | | | | | | | | |
| | | | | | | | | 2 | 29.1 | 7.9 | 22.2 | 5.6 | 82.4 | 4.6 | 6.7 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.8 | 1 | 28.7 | 7.8 | 23.2 | 5.3 | 78.0 | 4.5 | 7.7 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.9 | 22.9 | 5.3 | 78.2 | 4.9 | 8.3 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.6 | 1 | 28.5 | 7.8 | 24.2 | 5.3 | 77.4 | 12.0 | 9.2 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 7.9 | 23.9 | 5.2 | 77.2 | 11.9 | 9.2 | | | | | | | | | | | | | | |
| | | TCE-WQM3A | Cloudy | Calm | 15:19 | 3.7 | Surface | 1.0 | 1 | 28.6 | 7.8 | 23.5 | 5.3 | 77.3 | 5.7 | 6.3 | 5.3 | 6.0 | 6.9 | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.8 | 23.2 | 5.2 | 77.3 | 5.0 | 7.1 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.7 | 1 | 28.6 | 7.8 | 24.0 | 5.3 | 77.5 | 6.8 | 7.0 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.8 | 23.7 | 5.2 | 77.2 | 6.6 | 7.2 | | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Cloudy | Calm | 15:09 | 3.8 | Surface | 1.0 | 1 | 28.8 | 7.8 | | | | 23.8 | 5.3 | 79.3 | 0.8 | 6.6 | 5.4 | 1.2 | 7.2 | | |
| | | | | | | | | | | | | | 2 | 28.9 | 7.8 | 23.8 | | | | 5.4 | 79.3 | 1.0 | 6.0 | | | | | | |
| | | Bottom | 2.8 | 1 | 28.8 | 7.8 | | | | | | 23.8 | 5.4 | 79.5 | 1.5 | 7.8 | | | | | | | | | | | | | |
| | | | 2 | 28.9 | 7.8 | 23.8 | | | | | | 5.4 | 79.5 | 1.3 | 8.3 | | | | | | | | | | | | | | |
| | | Mid-Flood | Mid-Flood | TCE-C1 | Cloudy | Moderate | | | | | | 10:02 | 9 | Surface | 1.0 | 1 | 29.0 | 8.1 | 23.8 | 5.6 | 82.5 | 9.2 | 5.8 | 5.5 | | | | 14.9 | 11.8 |
| | | | | | | | | | | | | | | | 2 | 29.0 | 8.1 | 23.8 | 5.6 | 82.5 | 9.3 | 6.3 | | | | | | | |
| | Middle | | | | | | 4.5 | 1 | 28.9 | 8.1 | 25.9 | | | 5.3 | 78.8 | 13.2 | 9.0 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.9 | 8.1 | 25.9 | 5.3 | | | 78.8 | 13.3 | 9.7 | | | | | | | | | | | | | |
| | Bottom | | | | | | 8.0 | 1 | 28.9 | 8.1 | 26.2 | | | 5.3 | 79.3 | 22.0 | 19.8 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.9 | 8.1 | 26.2 | 5.3 | | | 79.4 | 22.3 | 20.4 | | | | | | | | | | | | | |
| | TCE-C2 | | | Rainy | Moderate | 09:29 | 14.8 | Surface | 1.0 | 1 | 28.3 | 7.8 | 24.2 | 5.1 | 74.5 | 3.6 | 9.7 | 4.8 | 10.2 | 13.9 | | | | | | | | | |
| | | | | | | | | | 2 | 28.6 | 7.9 | 23.9 | 5.1 | 74.8 | 4.5 | 9.7 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 7.4 | 1 | 28.0 | 7.8 | 26.4 | 4.5 | 66.4 | 14.0 | 12.8 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.3 | 7.9 | 26.1 | 4.5 | 66.6 | 14.5 | 13.1 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 13.8 | 1 | 27.9 | 7.8 | 27.3 | 4.4 | 65.9 | 12.1 | 19.1 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.1 | 7.9 | 27.0 | 4.5 | 66.2 | 12.5 | 18.7 | | | | | | | | | | | | | |
| | TCE-WQM1 | | | Cloudy | Moderate | 11:03 | 9.2 | Surface | 1.0 | 1 | 28.5 | 7.8 | 24.0 | 5.2 | 75.9 | 5.1 | 8.7 | 5.2 | 6.5 | 9.8 | | | | | | | | | |
| | | | | | | | | | 2 | 28.8 | 7.8 | 23.8 | 5.1 | 76.0 | 6.1 | 8.4 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 4.6 | 1 | 28.5 | 7.8 | 24.3 | 5.3 | 77.5 | 6.6 | 10.6 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.8 | 7.8 | 24.0 | 5.2 | 77.6 | 7.2 | 10.0 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 8.2 | 1 | 28.5 | 7.8 | 24.4 | 5.3 | 78.2 | 6.7 | 10.8 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.8 | 7.8 | 24.1 | 5.3 | 78.4 | 7.0 | 10.1 | | | | | | | | | | | | | |
| | TCE-WQM2a | | | Cloudy | Moderate | 10:05 | 7.8 | Surface | 1.0 | 1 | 28.5 | 7.8 | 23.5 | 5.3 | 78.0 | 1.7 | 7.5 | 5.2 | 4.2 | 8.3 | | | | | | | | | |
| | | | | | | | | | 2 | 28.8 | 7.9 | 23.3 | 5.3 | 78.0 | 1.2 | 7.4 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 3.9 | 1 | 28.4 | 7.8 | 24.1 | 5.0 | 74.2 | 3.0 | 8.2 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.8 | 23.8 | 5.1 | 74.4 | 2.2 | 8.5 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 6.8 | 1 | 28.4 | 7.8 | 24.5 | 5.0 | 74.0 | 8.8 | 9.2 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.8 | 24.2 | 5.0 | 74.0 | 8.1 | 8.8 | | | | | | | | | | | | | |
| | TCE-WQM2b | | | Cloudy | Moderate | 09:50 | 8.7 | Surface | 1.0 | 1 | 28.5 | 7.8 | 23.8 | 5.3 | 78.3 | 3.6 | 7.3 | 5.2 | 7.9 | 13.9 | | | | | | | | | |
| | | | | | | | | | 2 | 28.8 | 7.9 | 23.6 | 5.3 | 78.5 | 4.2 | 8.2 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 4.4 | 1 | 28.5 | 7.8 | 24.3 | 5.1 | 74.4 | 9.7 | 10.4 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.9 | 24.1 | 5.0 | 74.6 | 8.8 | 10.8 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 7.7 | 1 | 28.4 | 7.8 | 24.7 | 5.0 | 73.6 | 10.4 | 12.8 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.9 | 24.4 | 5.0 | 73.7 | 10.6 | 33.7 | | | | | | | | | | | | | |
| | TCE-WQM3A | | | Cloudy | Moderate | 10:40 | 3.9 | Surface | 1.0 | 1 | 28.5 | 7.8 | 23.7 | 5.2 | 76.3 | 2.5 | 5.9 | 5.2 | 3.6 | 6.5 | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.8 | 23.5 | 5.2 | 76.6 | 2.1 | 5.6 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 2.9 | 1 | 28.5 | 7.8 | 24.1 | 5.0 | 74.0 | 5.1 | 7.1 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.8 | 23.9 | 5.0 | 74.1 | 4.8 | 7.4 | | | | | | | | | | | | | |
| | | | | | | | | TCE-WQM4 | Cloudy | Moderate | 10:50 | 4 | Surface | 1.0 | 1 | 28.5 | 7.8 | | | | 23.7 | 5.4 | 79.4 | 2.1 | 7.9 | 5.4 | 2.8 | 8.9 | |
| | | | | | | | | | | | | | | 2 | 28.8 | 7.9 | 23.5 | | | | 5.4 | 79.6 | 1.1 | 7.3 | | | | | |
| | Bottom | | | 3.0 | 1 | 28.5 | 7.8 | | | | | | 24.3 | 5.1 | 74.8 | 5 | 10.1 | | | | | | | | | | | | |
| | | | | 2 | 28.7 | 7.8 | 24 | | | | | | 5.1 | 74.9 | 3.1 | 10.1 | | | | | | | | | | | | | |

Water Quality Monitoring for Tung Chung New Town Extension (East)

| 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) | | | | | | | | | | |
| 18/08/2018 | Mid-Ebb | TCE-C1 | Fine | Moderate | 17:44 | 8 | Surface | 1.0 | 1 | 29.3 | 7.9 | 14.2 | 6.0 | 84.4 | 5.4 | 6.0 | 6.0 | 7.4 | 6.4 | | | | | | | | | | |
| | | | | | | | | 2 | 29.3 | 7.9 | 14.2 | 6.0 | 84.4 | 5.3 | 6.3 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 29.0 | 7.9 | 19.3 | 5.9 | 85.4 | 5.4 | 6.0 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.9 | 19.3 | 5.9 | 85.4 | 5.4 | 6.3 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.0 | 1 | 29.2 | 7.8 | 24.6 | 5.4 | 80.1 | 11.6 | 6.8 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 7.8 | 24.6 | 5.4 | 80.1 | 11.5 | 7.1 | | | | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Calm | 18:00 | 13.3 | Surface | 1.0 | 1 | 29.2 | 7.9 | 22.1 | 5.6 | 83.1 | 3.5 | 5.9 | 5.2 | 6.2 | 7.0 | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.7 | 22.3 | 5.7 | 83.2 | 3.1 | 5.7 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.7 | 1 | 28.7 | 7.9 | 24.2 | 4.7 | 69.5 | 6.6 | 8.3 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.7 | 24.4 | 4.7 | 69.3 | 6.7 | 7.7 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 12.3 | 1 | 28.2 | 7.9 | 27.4 | 4.2 | 63.3 | 8.5 | 6.9 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 7.7 | 27.6 | 4.2 | 63.1 | 8.7 | 7.3 | | | | | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Calm | 16:42 | 8.5 | Surface | 1.0 | 1 | 29.4 | 7.9 | 21.8 | 5.5 | 80.7 | 4.3 | 7.9 | 5.3 | 10.8 | 8.5 | | | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 7.7 | 22.0 | 5.5 | 80.5 | 4.4 | 8.0 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.3 | 1 | 29.2 | 7.9 | 23.0 | 5.1 | 74.9 | 6.7 | 7.4 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.7 | 23.2 | 5.1 | 74.8 | 6.5 | 8.0 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.5 | 1 | 28.9 | 7.9 | 23.5 | 4.8 | 71.2 | 21.2 | 9.6 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 7.8 | 23.7 | 4.8 | 71.2 | 21.5 | 10.2 | | | | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 17:20 | 7.5 | Surface | 1.0 | 1 | 29.3 | 7.9 | 21.1 | 5.9 | 86.9 | 4.3 | 4.5 | 5.5 | 7.0 | 8.9 | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.7 | 21.3 | 5.9 | 86.7 | 3.8 | 4.9 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.8 | 1 | 28.8 | 7.9 | 23.1 | 5.0 | 73.3 | 7.7 | 9.8 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.6 | 7.7 | 23.4 | 5.0 | 73.2 | 7.3 | 9.1 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.5 | 1 | 28.7 | 7.8 | 24.1 | 4.8 | 70.1 | 9.6 | 12.1 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 7.8 | 24.3 | 4.8 | 70.0 | 9.5 | 12.8 | | | | | | | | | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 17:37 | 11.3 | Surface | 1.0 | 1 | 29.6 | 7.8 | 16.5 | 5.8 | 82.9 | 3.7 | 6.4 | 5.2 | 7.3 | 8.2 | | | | | | | | | | |
| | | | | | | | | 2 | 29.3 | 7.7 | 16.7 | 5.8 | 82.8 | 3.3 | 6.2 | | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.7 | 1 | 28.6 | 7.8 | 24.4 | 4.6 | 67.9 | 8.8 | 8.6 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.7 | 24.8 | 4.6 | 67.7 | 9.0 | 9.2 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 10.3 | 1 | 28.4 | 7.9 | 25.5 | 4.5 | 66.1 | 9.2 | 9.6 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.2 | 7.7 | 25.8 | 4.5 | 66.2 | 9.5 | 9.1 | | | | | | | | | | | | | | |
| | | TCE-WQM3A | Cloudy | Calm | 17:08 | 3.6 | Surface | 1.0 | 1 | 29.0 | 7.8 | 21.9 | 4.8 | 70.4 | 7.8 | 8.3 | 4.8 | 9.8 | 8.8 | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 7.7 | 22.1 | 4.8 | 70.7 | 7.9 | 7.8 | | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.6 | 1 | 28.9 | 7.8 | 22.5 | 4.6 | 67.6 | 11.5 | 9.4 | | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 7.7 | 22.9 | 4.5 | 66.4 | 11.8 | 9.8 | | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Cloudy | Calm | 16:57 | 4.1 | Surface | 1.0 | 1 | 29.3 | 7.8 | | | | 22.4 | 5.5 | 80.8 | 11.5 | 7.5 | 5.5 | 12.6 | 10.0 | | |
| | | | | | | | | | | | | | 2 | 29.0 | 7.7 | 22.6 | | | | 5.5 | 81.1 | 11.8 | 7.6 | | | | | | |
| | | Bottom | 3.1 | 1 | 29.0 | 7.8 | | | | | | 22.7 | 5.1 | 75.2 | 13.3 | 12.6 | | | | | | | | | | | | | |
| | | | 2 | 28.7 | 7.8 | 22.9 | | | | | | 5.1 | 75.5 | 13.7 | 12.3 | | | | | | | | | | | | | | |
| | | Mid-Flood | Mid-Flood | TCE-C1 | Fine | Moderate | | | | | | 12:12 | 8.2 | Surface | 1.0 | 1 | 29.7 | 8.0 | 14.3 | 5.6 | 79.2 | 7.1 | 7.0 | 5.4 | | | | 24.6 | 7.4 |
| | | | | | | | | | | | | | | | 2 | 29.7 | 8.0 | 14.3 | 5.6 | 79.2 | 7.1 | 8.0 | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 29.1 | 8.1 | | | 24.8 | 5.2 | 77.1 | 19.6 | 7.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 29.1 | 8.1 | 24.8 | | | 5.2 | 77.1 | 19.6 | 7.9 | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.2 | 1 | 29.1 | 8.1 | | | 26.8 | 5.1 | 77.4 | 47.1 | 7.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 29.1 | 8.1 | 26.8 | | | 5.1 | 77.4 | 47.1 | 7.0 | | | | | | | | | | | | |
| | | | | TCE-C2 | Cloudy | Calm | 12:28 | 13.7 | Surface | 1.0 | 1 | 28.8 | 7.9 | 22.7 | 5.0 | 73.7 | 3.2 | 6.4 | 4.7 | 8.9 | 10.1 | | | | | | | | |
| | | | | | | | | | | 2 | 28.5 | 7.8 | 22.9 | 5.0 | 73.6 | 3.7 | 7.1 | | | | | | | | | | | | |
| | | | | | | | | | Middle | 6.9 | 1 | 28.2 | 7.9 | 27.2 | 4.3 | 64.0 | 11.1 | 8.1 | | | | | | | | | | | |
| | | | | | | | | | | 2 | 28.0 | 7.9 | 27.5 | 4.3 | 63.8 | 10.7 | 7.7 | | | | | | | | | | | | |
| | Bottom | | | | | | | | 12.7 | 1 | 28.1 | 7.9 | 28.4 | 4.2 | 62.6 | 12.2 | 15.1 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 7.9 | 28.7 | 4.2 | 62.6 | 12.5 | 15.9 | | | | | | | | | | | | | |
| | TCE-WQM1 | | | Cloudy | Calm | 13:50 | 8.8 | Surface | 1.0 | 1 | 29.2 | 7.8 | 22.3 | 5.4 | 79.1 | 3.4 | 8.1 | 5.1 | 8.0 | 9.8 | | | | | | | | | |
| | | | | | | | | | 2 | 29.0 | 7.8 | 22.6 | 5.4 | 78.9 | 4.0 | 9.0 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 4.4 | 1 | 28.8 | 7.9 | 23.6 | 4.8 | 70.6 | 8.3 | 8.8 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.6 | 7.8 | 23.9 | 4.8 | 70.6 | 8.6 | 8.4 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 7.8 | 1 | 28.8 | 7.9 | 25.1 | 4.8 | 70.7 | 11.6 | 12.1 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.6 | 7.8 | 25.3 | 4.8 | 70.9 | 11.8 | 12.6 | | | | | | | | | | | | | |
| | TCE-WQM2a | | | Cloudy | Calm | 13:14 | 8 | Surface | 1.0 | 1 | 29.0 | 7.9 | 21.4 | 5.3 | 77.9 | 3.2 | 7.0 | 5.1 | 10.1 | 8.7 | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.8 | 21.7 | 5.3 | 77.4 | 3.5 | 6.0 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 4.0 | 1 | 28.8 | 7.8 | 22.8 | 4.8 | 70.5 | 8.2 | 8.9 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.5 | 7.8 | 23.1 | 4.8 | 70.1 | 8.6 | 8.8 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 7.0 | 1 | 28.5 | 7.8 | 25.1 | 4.4 | 64.9 | 18.6 | 10.9 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.3 | 7.8 | 25.4 | 4.4 | 65.4 | 18.2 | 10.3 | | | | | | | | | | | | | |
| | TCE-WQM2b | | | Cloudy | Moderate | 12:58 | 11.9 | Surface | 1.0 | 1 | 28.9 | 7.8 | 22.1 | 5.1 | 74.4 | 5.0 | 6.6 | 4.9 | 10.5 | 11.8 | | | | | | | | | |
| | | | | | | | | | 2 | 28.6 | 7.8 | 22.5 | 5.1 | 73.9 | 5.0 | 6.7 | | | | | | | | | | | | | |
| | | | | | | | | Middle | 6.0 | 1 | 28.6 | 7.9 | 24.2 | 4.6 | 68.1 | 8.1 | 11.1 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.4 | 7.8 | 24.5 | 4.6 | 68.0 | 8.1 | 11.5 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 10.9 | 1 | 28.5 | 7.8 | 25.5 | 4.5 | 66.4 | 18.6 | 17.5 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.3 | 7.8 | 25.7 | 4.5 | 66.3 | 18.4 | 17.3 | | | | | | | | | | | | | |
| | TCE-WQM3A | | | Cloudy | Calm | 13:27 | 3.8 | Surface | 1.0 | 1 | 29.0 | 7.8 | 21.7 | 5.2 | 76.7 | 6.2 | 7.0 | 5.2 | 8.6 | 8.5 | | | | | | | | | |
| | | | | | | | | | 2 | 28.8 | 7.8 | 22.0 | 5.2 | 76.5 | 6.4 | 6.8 | | | | | | | | | | | | | |
| | | | | | | | | Bottom | 2.8 | 1 | 29.0 | 7.8 | 21.8 | 5.2 | 76.4 | 10.8 | 10.4 | | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.8 | 22.1 | 5.2 | 76.4 | 10.9 | 9.8 | | | | | | | | | | | | | |
| | | | | | | | | TCE-WQM4 | Cloudy | Calm | 13:37 | 3.1 | Surface | 1.0 | 1 | 29.1 | 7.9 | | | | 21.9 | 5.4 | 78.6 | 4.8 | 6.6 | 5.4 | 5.7 | 8.7 | |
| | | | | | | | | | | | | | | 2 | 28.8 | 7.8 | 22.2 | | | | 5.4 | 78.4 | 5.3 | 6.9 | | | | | |
| | Bottom | | | 2.1 | 1 | 28.9 | 7.8 | | | | | | 22.6 | 5.1 | 75.6 | 6.7 | 10.4 | | | | | | | | | | | | |
| | | | | 2 | 28.6 | 7.8 | 22.8 | | | | | | 5.2 | 75.4 | 6.1 | 10.7 | | | | | | | | | | | | | |

| 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) | | | | | | | | |
| 21/08/2018 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 09:53 | 8.8 | Surface | 1.0 | 1 | 29.7 | 8.1 | 14.3 | 6.7 | 95.4 | 2.4 | 4.5 | 5.7 | 6.3 | 4.8 | | | | | | | | |
| | | | | | | | | 2 | 29.7 | 8.1 | 14.3 | 6.7 | 95.5 | 2.4 | 4.2 | | | | | | | | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 28.7 | 8.0 | 24.8 | 4.6 | 68.6 | 2.8 | 4.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 8.0 | 24.8 | 4.6 | 68.6 | 2.8 | 5.0 | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.8 | 1 | 28.5 | 8.0 | 26.7 | 4.2 | 63.1 | 13.6 | 5.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 8.0 | 26.8 | 4.2 | 63.1 | 13.6 | 5.4 | | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 09:40 | 13.2 | Surface | 1.0 | 1 | 28.9 | 7.8 | 19.6 | 6.4 | 92.8 | 2.2 | 3.4 | 5.8 | 2.8 | 4.5 | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 8.0 | 19.4 | 6.4 | 93.0 | 2.5 | 3.7 | | | | | | | | | | | | |
| | | | | | | | Middle | 6.6 | 1 | 28.5 | 7.8 | 23.7 | 5.1 | 74.5 | 2.9 | 4.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 7.9 | 23.5 | 5.1 | 74.8 | 2.4 | 5.1 | | | | | | | | | | | | |
| | | | | | | | Bottom | 12.2 | 1 | 27.6 | 7.8 | 28.5 | 4.0 | 58.7 | 3.3 | 4.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 27.8 | 7.9 | 28.2 | 4.0 | 58.8 | 3.6 | 5.2 | | | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Calm | 11:13 | 7.2 | Surface | 1.0 | 1 | 29.2 | 7.8 | 20.2 | 5.3 | 76.8 | 9.5 | 6.5 | 4.7 | 12.2 | 7.2 | | | | | | | | |
| | | | | | | | | 2 | 29.4 | 7.9 | 19.9 | 5.3 | 76.7 | 10.0 | 6.2 | | | | | | | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 28.6 | 7.8 | 27.0 | 4.0 | 59.6 | 11.3 | 6.0 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 26.5 | 4.0 | 59.7 | 12.0 | 5.6 | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 28.5 | 7.8 | 28.9 | 3.9 | 58.8 | 15.5 | 9.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 7.9 | 28.5 | 3.9 | 58.8 | 15.1 | 9.1 | | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 10:26 | 7 | Surface | 1.0 | 1 | 29.0 | 7.8 | 20.6 | 5.8 | 84.5 | 7.8 | 3.7 | 5.1 | 9.7 | 4.7 | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 8.0 | 20.4 | 5.8 | 84.5 | 8.0 | 3.0 | | | | | | | | | | | | |
| | | | | | | | Middle | 3.5 | 1 | 28.6 | 7.7 | 23.3 | 4.3 | 63.1 | 8.6 | 4.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 22.9 | 4.4 | 64.8 | 8.6 | 4.3 | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.0 | 1 | 28.2 | 7.7 | 26.2 | 3.8 | 55.8 | 12.7 | 6.1 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 7.9 | 25.9 | 3.8 | 56.0 | 12.5 | 5.9 | | | | | | | | | | | | |
| | TCE-WQM2b | Cloudy | Moderate | 10:11 | 10.9 | Surface | 1.0 | 1 | 29.4 | 7.8 | 17.6 | 6.2 | 89.0 | 3.7 | 3.4 | 5.1 | 5.9 | 4.7 | | | | | | | | | |
| | | | | | | | 2 | 29.7 | 8.0 | 17.4 | 6.2 | 89.3 | 3.5 | 4.4 | | | | | | | | | | | | | |
| | | | | | | Middle | 5.5 | 1 | 28.2 | 7.8 | 25.7 | 3.9 | 58.0 | 3.0 | 3.9 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.5 | 7.9 | 25.4 | 3.9 | 58.1 | 2.7 | 4.0 | | | | | | | | | | | | | |
| | | | | | | Bottom | 9.9 | 1 | 27.1 | 7.8 | 30.2 | 3.3 | 48.5 | 11.1 | 6.1 | | | | | | | | | | | | |
| | | | | | | | 2 | 27.3 | 7.9 | 29.9 | 3.3 | 48.8 | 11.5 | 6.6 | | | | | | | | | | | | | |
| | TCE-WQM3A | Cloudy | Calm | 10:40 | 3.7 | Surface | 1.0 | 1 | 29.0 | 7.7 | 19.9 | 5.1 | 74.3 | 10.5 | 6.1 | 5.1 | 9.6 | 6.8 | | | | | | | | | |
| | | | | | | | 2 | 29.3 | 7.9 | 19.7 | 5.1 | 74.6 | 10.9 | 6.6 | | | | | | | | | | | | | |
| | | | | | | Bottom | 2.7 | 1 | 28.8 | 7.7 | 22.8 | 4.0 | 58.7 | 8.6 | 7.1 | | | | | | | | | | | | |
| | | | | | | | 2 | 29.1 | 7.8 | 22.5 | 4.0 | 58.6 | 8.2 | 7.5 | | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Cloudy | Calm | 10:59 | 2.4 | Middle | 1.2 | 1 | 29.2 | 7.8 | | | | 20.1 | 5.7 | 82.4 | 10.6 | 4.7 | 5.7 | 10.6 | 4.5 | |
| | | | | | | | | | | | | 2 | 29.4 | 7.9 | 19.9 | | | | 5.6 | 82.5 | 10.6 | 4.2 | | | | | |
| | Bottom | 1.0 | 1 | 30.2 | 8.1 | | | | | | 20.0 | 7.0 | 103.4 | 5.6 | 4.4 | | | | | | | | | | | | |
| | | 2 | 30.2 | 8.1 | 20.0 | | | | | | 7.0 | 103.6 | 5.6 | 4.3 | | | | | | | | | | | | | |
| | Mid-Flood | TCE-C1 | Rainy | Moderate | 16:55 | | | | | | 8.1 | Surface | 1.0 | 1 | 29.4 | 8.0 | 24.1 | 5.3 | 79.8 | 7.1 | 5.2 | 6.2 | 8.9 | | | | 5.6 |
| | | | | | | | | | | | | | 2 | 29.4 | 8.0 | 24.4 | 5.3 | 79.9 | 7.0 | 5.9 | | | | | | | |
| | | | | | | Middle | 4.1 | 1 | 28.7 | 8.0 | | 31.8 | 4.4 | 68.6 | 14.1 | 6.7 | | | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 8.0 | 31.8 | | 4.4 | 68.4 | 14.0 | 7.1 | | | | | | | | | | | | |
| | | | | | | Bottom | 7.1 | 1 | 28.4 | 7.8 | | 25.0 | 5.8 | 86.3 | 3.5 | 4.6 | | | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 8.0 | 24.7 | | 5.8 | 86.2 | 3.6 | 5.3 | | | | | | | | | | | | |
| | TCE-C2 | Cloudy | Moderate | 17:32 | 11.4 | Surface | 1.0 | 1 | 27.0 | 7.8 | 30.4 | 3.3 | 49.5 | 10.1 | 5.4 | 4.6 | 7.1 | 5.6 | | | | | | | | | |
| | | | | | | | 2 | 27.2 | 7.9 | 30.0 | 3.3 | 49.6 | 10.3 | 5.3 | | | | | | | | | | | | | |
| | | | | | | Middle | 5.7 | 1 | 26.5 | 7.8 | 31.4 | 3.5 | 51.5 | 7.4 | 6.6 | | | | | | | | | | | | |
| | | | | | | | 2 | 26.8 | 7.9 | 31.0 | 3.5 | 51.5 | 7.9 | 6.3 | | | | | | | | | | | | | |
| | | | | | | Bottom | 10.4 | 1 | 29.5 | 7.8 | 19.6 | 6.8 | 99.7 | 3.8 | 3.2 | | | | | | | | | | | | |
| | | | | | | | 2 | 29.8 | 8.1 | 19.4 | 6.8 | 99.8 | 4.1 | 4.4 | | | | | | | | | | | | | |
| | TCE-WQM1 | Cloudy | Calm | 15:47 | 8 | Surface | 1.0 | 1 | 28.9 | 7.8 | 23.8 | 4.1 | 60.8 | 9.0 | 5.4 | 5.5 | 8.8 | 5.1 | | | | | | | | | |
| | | | | | | | 2 | 29.1 | 7.9 | 23.6 | 4.1 | 60.8 | 8.6 | 4.9 | | | | | | | | | | | | | |
| | | | | | | Middle | 4.0 | 1 | 28.6 | 7.8 | 26.9 | 3.7 | 55.5 | 13.7 | 6.4 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.9 | 7.9 | 26.6 | 3.7 | 55.4 | 13.4 | 6.5 | | | | | | | | | | | | | |
| | | | | | | Bottom | 7.0 | 1 | 29.3 | 7.8 | 20.7 | 6.6 | 96.5 | 5.7 | 4.2 | | | | | | | | | | | | |
| | | | | | | | 2 | 29.5 | 8.0 | 20.5 | 6.6 | 96.3 | 5.5 | 4.1 | | | | | | | | | | | | | |
| | TCE-WQM2a | Rainy | Moderate | 16:48 | 7.4 | Surface | 1.0 | 1 | 28.5 | 7.8 | 24.5 | 4.5 | 66.8 | 5.6 | 5.2 | 5.6 | 6.2 | 5.5 | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 7.9 | 24.3 | 4.5 | 66.9 | 5.5 | 5.6 | | | | | | | | | | | | | |
| | | | | | | Middle | 3.7 | 1 | 28.4 | 7.8 | 24.7 | 4.6 | 67.5 | 7.4 | 7.2 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.7 | 7.9 | 24.4 | 4.5 | 67.3 | 7.2 | 6.7 | | | | | | | | | | | | | |
| | | | | | | Bottom | 6.4 | 1 | 29.0 | 7.8 | 22.3 | 6.2 | 91.5 | 4.8 | 4.5 | | | | | | | | | | | | |
| | | | | | | | 2 | 29.2 | 8.0 | 21.9 | 6.2 | 91.7 | 5.0 | 5.3 | | | | | | | | | | | | | |
| | TCE-WQM2b | Rainy | Moderate | 17:01 | 10.2 | Surface | 1.0 | 1 | 27.9 | 7.8 | 27.2 | 4.0 | 58.8 | 12.3 | 7.7 | 5.1 | 13.6 | 7.2 | | | | | | | | | |
| | | | | | | | 2 | 28.2 | 7.9 | 26.9 | 4.0 | 58.8 | 12.5 | 7.6 | | | | | | | | | | | | | |
| | | | | | | Middle | 5.1 | 1 | 27.6 | 7.8 | 28.8 | 3.8 | 55.9 | 23.4 | 8.8 | | | | | | | | | | | | |
| | | | | | | | 2 | 27.8 | 7.9 | 28.5 | 3.8 | 56.0 | 23.4 | 9.1 | | | | | | | | | | | | | |
| | | | | | | Bottom | 9.2 | 1 | 29.4 | 7.8 | 19.7 | 7.6 | 111.4 | 5.1 | 5.3 | | | | | | | | | | | | |
| | | | | | | | 2 | 29.7 | 8.1 | 19.5 | 7.6 | 111.7 | 5.8 | 5.1 | | | | | | | | | | | | | |
| | TCE-WQM3A | Cloudy | Calm | 16:14 | 3.4 | Surface | 1.0 | 1 | 28.7 | 7.7 | 23.9 | 3.6 | 53.4 | 10.7 | 6.4 | 7.6 | 8.0 | 5.8 | | | | | | | | | |
| | | | | | | | 2 | 29.0 | 7.8 | 23.6 | 3.6 | 53.2 | 10.4 | 6.5 | | | | | | | | | | | | | |
| | | | | | | Bottom | 2.4 | 1 | 29.6 | 7.8 | 19.8 | 7.2 | 105.6 | 9.1 | 21.9 | | | | | | | | | | | | |
| | | | | | | | 2 | 29.9 | 8.1 | 19.6 | 7.2 | 105.1 | 9.3 | 20.4 | | | | | | | | | | | | | |

| 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) | | | | | | | | |
| 23/08/2018 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 10:56 | 8.9 | Surface | 1.0 | 1 | 29.1 | 8.1 | 25.6 | 6.2 | 93.3 | 2.9 | 6.5 | 5.1 | 11.0 | 8.8 | | | | | | | | |
| | | | | | | | | 2 | 29.1 | 8.1 | 25.6 | 6.2 | 93.3 | 2.9 | 6.3 | | | | | | | | | | | | |
| | | | | | | | Middle | 4.5 | 1 | 28.3 | 8.0 | 32.1 | 3.9 | 60.1 | 10.7 | 7.3 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 8.0 | 32.1 | 3.9 | 60.1 | 10.7 | 7.9 | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.9 | 1 | 28.2 | 8.0 | 32.4 | 4.3 | 66.4 | 19.4 | 12.3 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.2 | 8.0 | 32.4 | 4.3 | 66.4 | 19.4 | 12.6 | | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 11:08 | 15.2 | Surface | 1.0 | 1 | 28.9 | 8.3 | 23.1 | 6.9 | 102.0 | 1.8 | 7.9 | 6.7 | 5.5 | 8.5 | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 8.3 | 23.1 | 6.9 | 102.3 | 1.8 | 7.6 | | | | | | | | | | | | |
| | | | | | | | Middle | 7.6 | 1 | 28.9 | 8.3 | 23.3 | 6.4 | 94.7 | 4.1 | 8.3 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 8.3 | 23.3 | 6.5 | 95.4 | 3.4 | 8.0 | | | | | | | | | | | | |
| | | | | | | | Bottom | 14.2 | 1 | 26.9 | 8.1 | 30.8 | 3.8 | 56.3 | 11.1 | 9.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 26.9 | 8.1 | 30.8 | 3.8 | 56.1 | 11.0 | 9.3 | | | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Calm | 12:46 | 8.1 | Surface | 1.0 | 1 | 29.4 | 8.4 | 22.6 | 7.1 | 105.6 | 4.0 | 10.7 | 5.6 | 6.6 | 12.1 | | | | | | | | |
| | | | | | | | | 2 | 29.4 | 8.4 | 22.6 | 7.2 | 106.1 | 3.7 | 11.7 | | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 28.8 | 8.2 | 27.5 | 4.0 | 60.4 | 5.9 | 12.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 8.2 | 27.5 | 4.1 | 61.0 | 5.7 | 13.4 | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.1 | 1 | 28.7 | 8.1 | 28.6 | 4.0 | 60.1 | 10.1 | 11.7 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 8.1 | 28.6 | 3.9 | 59.7 | 9.9 | 12.0 | | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 12:07 | 7.2 | Surface | 1.0 | 1 | 29.3 | 8.3 | 23.8 | 6.8 | 101.2 | 3.5 | 9.8 | 6.4 | 9.2 | 10.2 | | | | | | | | |
| | | | | | | | | 2 | 29.3 | 8.3 | 23.8 | 6.8 | 101.6 | 3.4 | 9.9 | | | | | | | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 28.8 | 8.2 | 24.9 | 5.9 | 87.2 | 7.8 | 10.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 8.3 | 24.8 | 5.9 | 87.5 | 7.5 | 10.7 | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 28.5 | 8.2 | 26.2 | 4.7 | 70.7 | 16.9 | 9.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 8.2 | 26.2 | 4.7 | 70.2 | 16.1 | 10.1 | | | | | | | | | | | | |
| | TCE-WQM2b | Cloudy | Moderate | 11:47 | 12.1 | Surface | 1.0 | 1 | 29.1 | 8.3 | 20.8 | 6.7 | 97.3 | 3.1 | 4.9 | 5.8 | 6.1 | 5.5 | | | | | | | | | |
| | | | | | | | 2 | 29.1 | 8.3 | 20.7 | 6.8 | 99.2 | 2.8 | 5.3 | | | | | | | | | | | | | |
| | | | | | | Middle | 6.1 | 1 | 28.9 | 8.2 | 24.7 | 4.8 | 70.8 | 6.8 | 5.4 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.9 | 8.2 | 24.6 | 4.8 | 71.2 | 6.4 | 5.2 | | | | | | | | | | | | | |
| | | | | | | Bottom | 11.1 | 1 | 28.6 | 8.2 | 26.2 | 4.3 | 64.2 | 8.8 | 6.3 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.5 | 8.2 | 26.3 | 4.3 | 63.6 | 8.8 | 6.0 | | | | | | | | | | | | | |
| | TCE-WQM3A | Cloudy | Calm | 12:21 | 3.8 | Surface | 1.0 | 1 | 29.2 | 8.3 | 20.6 | 6.1 | 88.7 | 5.4 | 13.5 | 6.1 | 6.1 | 13.0 | | | | | | | | | |
| | | | | | | | 2 | 29.2 | 8.3 | 20.5 | 6.1 | 88.9 | 5.6 | 13.3 | | | | | | | | | | | | | |
| | | | | | | Bottom | 2.8 | 1 | 28.5 | 8.1 | 25.8 | 4.5 | 67.2 | 6.7 | 12.6 | | | | | | | | | | | | |
| | | | | | | | 2 | 28.6 | 8.1 | 25.6 | 4.5 | 66.9 | 6.5 | 12.4 | | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Cloudy | Calm | 12:32 | 2.8 | Middle | 1.4 | 1 | 29.4 | 8.3 | | | | 23.7 | 6.2 | 95.0 | 3.7 | 7.4 | 6.3 | 3.7 | 7.5 | |
| | | | | | | | | | | | | 2 | 29.4 | 8.3 | 23.7 | | | | 6.3 | 93.2 | 3.6 | 7.5 | | | | | |
| | Mid-Flood | TCE-C1 | Cloudy | Moderate | 17:55 | 7.9 | Surface | 1.0 | 1 | 29.6 | 8.2 | 21.4 | 6.6 | 96.9 | 7.2 | 5.6 | 5.7 | 11.3 | 8.2 | | | | | | | | |
| | | | | | | | | 2 | 29.6 | 8.2 | 21.4 | 6.6 | 96.9 | 7.2 | 5.9 | | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 29.0 | 8.1 | 26.1 | 4.8 | 72.1 | 10.3 | 7.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 8.1 | 26.1 | 4.8 | 72.1 | 10.3 | 7.9 | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.9 | 1 | 28.4 | 8.0 | 31.2 | 4.3 | 66.3 | 16.3 | 11.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 8.0 | 31.2 | 4.3 | 66.3 | 16.3 | 11.0 | | | | | | | | | | | | |
| | | | | | | | TCE-C2 | Fine | Moderate | 18:14 | 15.5 | Surface | 1.0 | 1 | 29.0 | 8.4 | | | | 24.1 | 8.0 | 118.9 | 3.7 | 6.4 | 5.9 | 12.1 | 8.5 |
| | | | | | | | | | | | | | 2 | 29.0 | 8.4 | 24.2 | | | | 8.1 | 119.8 | 3.7 | 6.9 | | | | |
| | | | | | | | | | | | | Middle | 7.8 | 1 | 26.7 | 8.1 | | | | 30.7 | 3.8 | 56.1 | 11.6 | 9.3 | | | |
| | | | | | | | | | | | | | 2 | 26.8 | 8.1 | 30.7 | | | | 3.8 | 56.2 | 11.0 | 9.0 | | | | |
| | | | | | | | | | | | | Bottom | 14.5 | 1 | 26.6 | 8.1 | | | | 31.3 | 3.7 | 55.4 | 20.4 | 9.5 | | | |
| | | | | | | | | | | | | | 2 | 26.6 | 8.1 | 31.3 | | | | 3.7 | 55.1 | 21.9 | 9.6 | | | | |
| | | TCE-WQM1 | Fine | Calm | 16:55 | 7.7 | Surface | 1.0 | 1 | 30.1 | 8.6 | 22.6 | 10.6 | 158.3 | 3.4 | 6.6 | 8.7 | 6.6 | 7.9 | | | | | | | | |
| | | | | | | | | 2 | 30.1 | 8.6 | 22.6 | 10.6 | 158.8 | 3.3 | 7.1 | | | | | | | | | | | | |
| | | | | | | | Middle | 3.9 | 1 | 29.5 | 8.4 | 23.9 | 6.9 | 103.1 | 5.6 | 8.3 | | | | | | | | | | | |
| | | | | | | | | 2 | 29.4 | 8.4 | 24.1 | 6.8 | 101.3 | 5.9 | 8.1 | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.7 | 1 | 28.7 | 8.2 | 27.4 | 4.5 | 67.4 | 10.6 | 8.4 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 8.2 | 27.4 | 4.4 | 66.7 | 10.5 | 8.7 | | | | | | | | | | | | |
| | | TCE-WQM2a | Fine | Moderate | 17:32 | 7.1 | Surface | 1.0 | 1 | 29.4 | 8.5 | 22.7 | 9.1 | 135.4 | 5.6 | 10.2 | 7.5 | 6.3 | 12.2 | | | | | | | | |
| | | | | | | | | 2 | 29.4 | 8.5 | 22.7 | 9.2 | 136.0 | 5.5 | 10.6 | | | | | | | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 28.7 | 8.2 | 24.7 | 5.8 | 85.9 | 6.6 | 11.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.7 | 8.2 | 24.6 | 5.8 | 86.2 | 6.5 | 11.4 | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.1 | 1 | 28.4 | 8.2 | 26.4 | 5.0 | 74.6 | 6.8 | 14.2 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 8.2 | 26.4 | 5.0 | 74.3 | 6.6 | 14.8 | | | | | | | | | | | | |
| | | TCE-WQM2b | Fine | Moderate | 17:44 | 11.5 | Surface | 1.0 | 1 | 28.9 | 8.4 | 23.7 | 7.6 | 112.5 | 4.0 | 7.6 | 6.7 | 13.2 | 8.3 | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 8.4 | 23.7 | 7.6 | 112.9 | 3.7 | 7.4 | | | | | | | | | | | | |
| | | | | | | | Middle | 5.8 | 1 | 28.5 | 8.2 | 25.8 | 5.8 | 86.7 | 7.7 | 8.7 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 8.2 | 25.8 | 5.8 | 86.8 | 7.5 | 8.3 | | | | | | | | | | | | |
| | | | | | | | Bottom | 10.5 | 1 | 28.0 | 8.1 | 27.5 | 4.6 | 67.8 | 28.7 | 8.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 8.1 | 27.5 | 4.5 | 67.6 | 27.6 | 8.7 | | | | | | | | | | | | |
| | | TCE-WQM3A | Fine | Calm | 17:19 | 3.5 | Surface | 1.0 | 1 | 29.5 | 8.6 | 22.0 | 11.2 | 166.0 | 12.0 | 9.4 | 11.3 | 9.4 | 9.7 | | | | | | | | |
| | | | | | | | | 2 | 29.5 | 8.6 | 22.0 | 11.3 | 166.8 | 10.9 | 9.8 | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.5 | 1 | 29.2 | 8.4 | 22.8 | 8.7 | 128.6 | 7.6 | 9.9 | | | | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 8.4 | 22.8 | 8.7 | 128.5 | 7.1 | 9.8 | | | | | | | | | | | | |
| | | TCE-WQM4 | Fine | Calm | 17:09 | 2.7 | Middle | 1.4 | 1 | 29.4 | 8.5 | 23.4 | 9.1 | 134.9 | 10.2 | 10.3 | 9.1 | 10.1 | 10.1 | | | | | | | | |
| | | | | | | | | 2 | 29.4 | 8.5 | 23.4 | 9.1 | 135.0 | 9.9 | 9.8 | | | | | | | | | | | | |

| 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) | | | | | | | | | |
| 25/08/2018 | Mid-Ebb | TCE-C1 | Cloudy | Moderate | 12:13 | 9 | Surface | 1.0 | 1 | 29.8 | 8.1 | 22.3 | 6.8 | 101.8 | 3.4 | 4.3 | 6.0 | 5.8 | 5.4 | | | | | | | | | |
| | | | | | | | | 2 | 29.8 | 8.1 | 23.4 | 6.8 | 102.2 | 3.4 | 4.3 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.5 | 1 | 28.4 | 8.1 | 28.7 | 5.2 | 78.5 | 5.8 | 5.9 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.4 | 8.1 | 28.9 | 5.2 | 78.7 | 5.5 | 6.2 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.0 | 1 | 27.4 | 8.0 | 33.4 | 4.2 | 63.9 | 8.1 | 5.8 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.4 | 8.0 | 33.4 | 4.1 | 62.1 | 8.5 | 6.1 | | | | | | | | | | | | | |
| | | TCE-C2 | Misty | Moderate | 12:58 | 14 | Surface | 1.0 | 1 | 29.3 | 8.0 | 22.6 | 8.1 | 119.7 | 7.7 | 7.1 | 7.8 | 9.1 | 7.1 | | | | | | | | | |
| | | | | | | | | 2 | 29.0 | 7.9 | 22.8 | 8.1 | 119.5 | 7.5 | 6.7 | | | | | | | | | | | | | |
| | | | | | | | Middle | 7.0 | 1 | 29.1 | 7.9 | 23.0 | 7.5 | 110.8 | 8.8 | 7.2 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 7.9 | 23.3 | 7.5 | 110.5 | 9.1 | 7.0 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 13.0 | 1 | 28.5 | 7.9 | 24.9 | 6.9 | 101.4 | 10.7 | 7.0 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.2 | 7.9 | 25.2 | 6.9 | 101.1 | 10.6 | 7.3 | | | | | | | | | | | | | |
| | | TCE-WQM1 | Misty | Calm | 14:18 | 7.9 | Surface | 1.0 | 1 | 29.8 | 8.0 | 23.7 | 8.3 | 124.6 | 6.2 | 6.2 | 7.6 | 9.7 | 7.2 | | | | | | | | | |
| | | | | | | | | 2 | 29.6 | 7.9 | 23.9 | 8.3 | 124.5 | 6.1 | 6.1 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.0 | 1 | 29.1 | 8.0 | 24.5 | 6.9 | 102.6 | 8.5 | 7.6 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 24.8 | 6.9 | 102.1 | 8.4 | 7.6 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.9 | 1 | 28.3 | 7.8 | 27.8 | 4.5 | 67.8 | 14.2 | 7.9 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.9 | 28.1 | 4.5 | 67.6 | 14.6 | 7.7 | | | | | | | | | | | | | |
| | | TCE-WQM2a | Misty | Moderate | 13:51 | 7.2 | Surface | 1.0 | 1 | 29.3 | 8.0 | 23.8 | 8.2 | 122.4 | 6.4 | 3.9 | 7.9 | 8.3 | 5.8 | | | | | | | | | |
| | | | | | | | | 2 | 29.1 | 7.9 | 24.0 | 8.2 | 122.3 | 6.1 | 4.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.6 | 1 | 29.2 | 8.0 | 24.6 | 7.5 | 112.4 | 7.0 | 5.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 24.9 | 7.5 | 112.1 | 7.0 | 5.8 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.2 | 1 | 28.0 | 7.8 | 26.6 | 5.7 | 84.2 | 11.8 | 7.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.8 | 7.9 | 26.9 | 5.7 | 84.0 | 11.3 | 7.7 | | | | | | | | | | | | | |
| | | TCE-WQM2b | Misty | Moderate | 13:37 | 10.5 | Surface | 1.0 | 1 | 29.6 | 7.9 | 20.9 | 7.7 | 113.1 | 6.6 | 6.4 | 6.8 | 12.4 | 7.1 | | | | | | | | | |
| | | | | | | | | 2 | 29.6 | 7.9 | 21.0 | 7.7 | 114.2 | 6.1 | 6.3 | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.3 | 1 | 28.8 | 7.8 | 24.1 | 5.8 | 86.3 | 12.2 | 7.4 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.5 | 7.9 | 24.3 | 5.8 | 86.1 | 12.6 | 7.3 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 9.5 | 1 | 28.1 | 7.8 | 26.3 | 5.1 | 76.1 | 18.5 | 7.6 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.9 | 7.9 | 26.4 | 5.1 | 75.1 | 18.6 | 7.8 | | | | | | | | | | | | | |
| | | TCE-WQM3A | Misty | Calm | 14:04 | 4.1 | Surface | 1.0 | 1 | 29.2 | 8.0 | 23.6 | 7.3 | 108.9 | 9.4 | 6.7 | 7.3 | 10.9 | 8.3 | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 23.8 | 7.3 | 108.7 | 9.8 | 7.0 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 3.1 | 1 | 29.1 | 7.9 | 23.7 | 7.3 | 108.4 | 11.9 | 9.6 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.9 | 7.9 | 24.0 | 7.3 | 107.9 | 12.3 | 9.8 | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Misty | Calm | 14:13 | 3.7 | Surface | 1.0 | 1 | 29.9 | 8.1 | | | | 23.5 | 9.0 | 134.9 | 6.9 | 6.0 | 8.9 | 9.9 | 6.2 | |
| | | | | | | | | | | | | | 2 | 29.6 | 7.9 | 23.7 | | | | 8.8 | 132.4 | 7.4 | 5.4 | | | | | |
| | | Bottom | 2.7 | 1 | 29.2 | 7.9 | | | | | | 24.5 | 7.2 | 106.8 | 12.2 | 6.5 | | | | | | | | | | | | |
| | | | 2 | 28.9 | 7.9 | 24.8 | | | | | | 7.3 | 108.7 | 12.9 | 6.8 | | | | | | | | | | | | | |
| | | Mid-Flood | TCE-C1 | Cloudy | Calm | 19:56 | | | | | | 9.1 | Surface | 1.0 | 1 | 29.2 | 8.1 | 20.7 | 6.0 | 88.3 | 5.3 | 4.0 | 5.1 | 26.2 | | | | 4.9 |
| | | | | | | | | | | | | | | 2 | 29.2 | 8.1 | 20.7 | 6.1 | 88.5 | 5.2 | 4.4 | | | | | | | |
| | | | | | | | Middle | 4.6 | 1 | 28.1 | 8.0 | | 31.0 | 4.1 | 62.6 | 26.9 | 4.8 | | | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 8.0 | 30.4 | | 4.1 | 62.7 | 26.3 | 4.9 | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.1 | 1 | 27.7 | 8.0 | | 32.4 | 4.2 | 64.1 | 46.6 | 5.6 | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 8.0 | 32.4 | | 4.2 | 63.8 | 46.6 | 5.9 | | | | | | | | | | | | |
| | | | | TCE-C2 | Cloudy | Moderate | 19:13 | 14.7 | Surface | 1.0 | 1 | 28.2 | 7.8 | 25.8 | 6.0 | 88.1 | 4.5 | 5.0 | 5.2 | 11.8 | 6.6 | | | | | | | |
| | | | | | | | | | | 2 | 28.0 | 7.8 | 26.0 | 5.9 | 87.6 | 5.5 | 5.1 | | | | | | | | | | | |
| | | | | | | | | | Middle | 7.4 | 1 | 26.8 | 7.8 | 29.4 | 4.5 | 66.0 | 13.2 | 6.6 | | | | | | | | | | |
| | | | | | | | | | | 2 | 26.5 | 7.8 | 29.6 | 4.5 | 65.7 | 13.0 | 7.0 | | | | | | | | | | | |
| | | | | | | | | | Bottom | 13.7 | 1 | 26.5 | 7.8 | 30.2 | 4.4 | 65.2 | 17.1 | 8.0 | | | | | | | | | | |
| | | | | | | | | | | 2 | 26.2 | 7.8 | 30.5 | 4.4 | 64.8 | 17.6 | 7.8 | | | | | | | | | | | |
| | TCE-WQM1 | | | Fine | Calm | 17:51 | 7.5 | Surface | 1.0 | 1 | 29.8 | 8.1 | 23.7 | 9.1 | 137.2 | 4.8 | 5.3 | 8.8 | 8.9 | 8.4 | | | | | | | | |
| | | | | | | | | | 2 | 29.5 | 7.9 | 24.0 | 9.1 | 136.9 | 4.2 | 5.7 | | | | | | | | | | | | |
| | | | | | | | | Middle | 3.8 | 1 | 29.7 | 8.1 | 23.9 | 8.5 | 128.0 | 9.5 | 6.6 | | | | | | | | | | | |
| | | | | | | | | | 2 | 29.4 | 7.9 | 24.2 | 8.6 | 128.0 | 9.9 | 7.0 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 6.5 | 1 | 28.9 | 7.9 | 25.7 | 6.1 | 91.4 | 12.8 | 12.8 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.7 | 7.9 | 25.9 | 6.2 | 92.3 | 12.3 | 13.0 | | | | | | | | | | | | |
| | TCE-WQM2a | | Fine | Moderate | 18:28 | 7.3 | Surface | 1.0 | 1 | 29.4 | 8.0 | 23.1 | 8.3 | 123.7 | 7.9 | 4.9 | 7.8 | 12.4 | 5.6 | | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 7.8 | 23.3 | 8.3 | 123.5 | 7.8 | 4.6 | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.7 | 1 | 29.1 | 8.0 | 24.0 | 7.3 | 109.1 | 12.9 | 5.8 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 7.8 | 24.3 | 7.4 | 109.3 | 13.5 | 6.1 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.3 | 1 | 27.9 | 7.8 | 26.7 | 5.0 | 74.5 | 16.1 | 6.0 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 7.8 | 27.0 | 5.1 | 74.9 | 16.4 | 6.4 | | | | | | | | | | | | | |
| | TCE-WQM2b | | Cloudy | Moderate | 18:41 | 10.5 | Surface | 1.0 | 1 | 29.0 | 7.9 | 23.8 | 7.2 | 107.2 | 5.6 | 5.5 | 7.1 | 10.8 | 8.0 | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 7.8 | 24.0 | 7.2 | 107.1 | 5.7 | 5.8 | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.3 | 1 | 28.9 | 7.9 | 23.8 | 7.0 | 102.8 | 7.6 | 7.1 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.8 | 7.8 | 24.0 | 7.0 | 103.5 | 7.8 | 7.8 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 9.5 | 1 | 27.9 | 7.8 | 26.9 | 5.2 | 77.3 | 19.1 | 11.2 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 7.8 | 27.0 | 5.3 | 78.3 | 18.9 | 10.8 | | | | | | | | | | | | | |
| | TCE-WQM3A | | Fine | Calm | 18:17 | 3.8 | Surface | 1.0 | 1 | 29.8 | 8.1 | 23.0 | 9.2 | 137.2 | 13.8 | 25.9 | 9.2 | 14.7 | 30.5 | | | | | | | | | |
| | | | | | | | | 2 | 29.6 | 7.9 | 23.2 | 9.2 | 136.8 | 13.9 | 25.9 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 2.8 | 1 | 29.4 | 8.0 | 23.5 | 7.9 | 118.3 | 15.9 | 34.8 | | | | | | | | | | | | |
| | | | | | | | | 2 | 29.2 | 7.9 | 23.7 | 8.1 | 119.7 | 15.1 | 35.5 | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Fine | Calm | 18:05 | 3.2 | Surface | 1.0 | 1 | 29.9 | 8.2 | | | | 23.4 | 10 | 150.2 | 6.5 | 6.4 | 10.0 | 8.0 | 7.2 | |
| | | | | | | | | | | | | | 2 | 29.6 | 7.9 | 23.7 | | | | 10 | 149.4 | 6.6 | 6.7 | | | | | |
| | Bottom | | 2.2 | 1 | 29.8 | 8.1 | | | | | | 23.7 | 9.7 | 145.9 | 9.2 | 7.9 | | | | | | | | | | | | |
| | | | 2 | 29.5 | 7.9 | 24 | | | | | | 9.7 | 145.1 | 9.8 | 7.8 | | | | | | | | | | | | | |

| 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) | | | | | | | | | |
| 28/08/2018 | Mid-Ebb | TCE-C1 | Rainy | Rough | 13:54 | 8.7 | Surface | 1.0 | 1 | 28.1 | 8.4 | 26.3 | 5.5 | 81.2 | 10.2 | 8.9 | 5.2 | 26.3 | 11.3 | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 8.4 | 26.3 | 5.5 | 81.2 | 10.2 | 9.1 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.4 | 1 | 28.0 | 8.4 | 29.2 | 4.9 | 72.8 | 16.8 | 12.6 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 8.4 | 29.2 | 4.9 | 72.8 | 16.8 | 12.3 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.7 | 1 | 27.1 | 8.4 | 32.2 | 4.4 | 66.3 | 51.8 | 12.3 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.1 | 8.4 | 32.2 | 4.4 | 66.3 | 51.8 | 12.5 | | | | | | | | | | | | | |
| | | TCE-C2 | Rainy | Moderate | 12:36 | 12.4 | Surface | 1.0 | 1 | 28.0 | 7.8 | 25.7 | 5.1 | 75.8 | 9.1 | 11.5 | 5.1 | 10.2 | 12.6 | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 7.8 | 25.7 | 5.2 | 75.9 | 9.0 | 11.9 | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.2 | 1 | 28.0 | 7.8 | 25.9 | 5.1 | 74.6 | 11.0 | 11.5 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 7.8 | 25.9 | 5.1 | 74.7 | 11.0 | 11.3 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 11.4 | 1 | 27.4 | 7.7 | 27.7 | 4.5 | 66.8 | 10.4 | 14.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.3 | 7.7 | 27.8 | 4.6 | 67.0 | 10.4 | 14.9 | | | | | | | | | | | | | |
| | | TCE-WQM1 | Rainy | Calm | 12:26 | 9.6 | Surface | 1.0 | 1 | 28.3 | 7.8 | 24.7 | 5.2 | 76.0 | 16.2 | 17.4 | 5.2 | 16.4 | 17.7 | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.8 | 24.7 | 5.2 | 76.0 | 16.7 | 16.9 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.8 | 1 | 28.3 | 7.7 | 24.7 | 5.2 | 76.1 | 14.5 | 17.5 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.7 | 24.7 | 5.2 | 76.1 | 14.5 | 17.8 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.6 | 1 | 28.3 | 7.7 | 24.7 | 5.2 | 76.3 | 18.0 | 18.2 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.7 | 24.7 | 5.2 | 76.2 | 18.3 | 18.1 | | | | | | | | | | | | | |
| | | TCE-WQM2a | Rainy | Moderate | 13:03 | 8.1 | Surface | 1.0 | 1 | 28.1 | 7.8 | 25.6 | 5.0 | 74.0 | 8.3 | 9.2 | 5.0 | 7.6 | 11.1 | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.8 | 25.6 | 5.0 | 74.1 | 8.2 | 9.4 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.1 | 1 | 27.7 | 7.8 | 26.7 | 4.9 | 71.4 | 7.1 | 11.1 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 7.8 | 26.5 | 4.9 | 71.8 | 7.1 | 11.6 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.1 | 1 | 27.4 | 7.8 | 27.5 | 4.9 | 72.0 | 7.4 | 12.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.4 | 7.8 | 27.5 | 4.9 | 71.8 | 7.3 | 12.3 | | | | | | | | | | | | | |
| | | TCE-WQM2b | Rainy | Moderate | 13:15 | 11.2 | Surface | 1.0 | 1 | 28.6 | 7.8 | 24.0 | 5.5 | 81.2 | 6.4 | 6.8 | 5.4 | 10.1 | 8.8 | | | | | | | | | |
| | | | | | | | | 2 | 28.6 | 7.8 | 24.0 | 5.5 | 81.3 | 6.4 | 6.4 | | | | | | | | | | | | | |
| | | | | | | | Middle | 5.6 | 1 | 28.3 | 7.8 | 24.7 | 5.3 | 78.1 | 8.0 | 9.1 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.3 | 7.8 | 24.7 | 5.3 | 78.1 | 8.0 | 9.4 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 10.2 | 1 | 28.0 | 7.7 | 25.5 | 5.0 | 73.9 | 15.8 | 10.2 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 7.7 | 25.5 | 5.0 | 73.8 | 15.8 | 10.6 | | | | | | | | | | | | | |
| | TCE-WQM3A | Rainy | Calm | 12:51 | 4 | Surface | 1.0 | 1 | 28.4 | 7.8 | 24.9 | 5.2 | 76.3 | 14.3 | 8.6 | 5.2 | 15.7 | 10.4 | | | | | | | | | | |
| | | | | | | | 2 | 28.4 | 7.8 | 24.9 | 5.2 | 76.4 | 14.2 | 9.0 | | | | | | | | | | | | | | |
| | | | | | | Bottom | 3.0 | 1 | 28.3 | 7.8 | 25.0 | 5.2 | 77.3 | 17.2 | 12.1 | | | | | | | | | | | | | |
| | | | | | | | 2 | 28.3 | 7.8 | 25.0 | 5.2 | 77.0 | 17.1 | 11.8 | | | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Rainy | Calm | 12:39 | 3.7 | Surface | 1.0 | 1 | 28.5 | 7.8 | | | | 25.0 | 5.4 | 80.4 | 6.5 | 10.2 | 5.4 | 6.6 | 10.0 | | |
| | | | | | | | | | | | | 2 | 28.5 | 7.8 | 24.9 | | | | 5.4 | 80.6 | 6.4 | 9.9 | | | | | | |
| | Bottom | 2.7 | 1 | 28.4 | 7.8 | | | | | | 25.1 | 5.5 | 81.9 | 6.8 | 9.6 | | | | | | | | | | | | | |
| | | 2 | 28.4 | 7.8 | 25.1 | | | | | | 5.5 | 81.6 | 6.8 | 10.2 | | | | | | | | | | | | | | |
| | Mid-Flood | Mid-Flood | TCE-C1 | Cloudy | Moderate | | | | | | 07:39 | 9.1 | Surface | 1.0 | 1 | 28.1 | 8.3 | 25.3 | 5.2 | 76.9 | 11.2 | 9.7 | 4.6 | | | | 14.0 | 13.4 |
| | | | | | | | | | | | | | | 2 | 28.1 | 8.3 | 25.3 | 5.2 | 76.9 | 11.2 | 9.9 | | | | | | | |
| | | | | | | Middle | 4.6 | 1 | 26.9 | 8.3 | | | 33.2 | 4.0 | 59.8 | 15.5 | 13.6 | | | | | | | | | | | |
| | | | | | | | 2 | 26.9 | 8.3 | 33.2 | | | 4.0 | 59.8 | 15.5 | 13.7 | | | | | | | | | | | | |
| | | | | | | Bottom | 8.1 | 1 | 26.9 | 8.2 | | | 33.6 | 4.2 | 63.0 | 15.3 | 16.5 | | | | | | | | | | | |
| | | | | | | | 2 | 26.9 | 8.2 | 33.6 | | | 4.2 | 63.0 | 15.3 | 16.9 | | | | | | | | | | | | |
| | | | TCE-C2 | Fine | Moderate | 07:24 | 12.8 | Surface | 1.0 | 1 | 27.4 | 7.8 | 26.1 | 4.9 | 72.0 | 8.6 | 7.5 | 4.7 | 11.5 | 9.7 | | | | | | | | |
| | | | | | | | | | 2 | 27.6 | 7.8 | 26.0 | 4.9 | 72.3 | 7.6 | 8.1 | | | | | | | | | | | | |
| | | | | | | | | Middle | 6.4 | 1 | 26.8 | 7.8 | 29.1 | 4.4 | 65.1 | 11.6 | 10.0 | | | | | | | | | | | |
| | | | | | | | | | 2 | 26.8 | 7.8 | 29.1 | 4.4 | 65.1 | 11.5 | 10.4 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 11.8 | 1 | 26.6 | 7.7 | 29.6 | 4.4 | 64.0 | 15.0 | 11.1 | | | | | | | | | | | |
| | | | | | | | | | 2 | 26.6 | 7.7 | 29.6 | 4.4 | 64.0 | 14.6 | 11.2 | | | | | | | | | | | | |
| | | | TCE-WQM1 | Fine | Calm | 08:42 | 9.5 | Surface | 1.0 | 1 | 28.2 | 7.8 | 24.2 | 5.3 | 77.2 | 4.7 | 8.7 | 5.0 | 10.4 | 8.8 | | | | | | | | |
| | | | | | | | | | 2 | 28.2 | 7.8 | 24.2 | 5.3 | 77.2 | 4.7 | 8.0 | | | | | | | | | | | | |
| | | | | | | | | Middle | 4.8 | 1 | 28.2 | 7.7 | 25.7 | 4.7 | 69.8 | 9.6 | 9.0 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.2 | 7.7 | 25.6 | 4.7 | 70.0 | 9.2 | 8.2 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 8.5 | 1 | 28.1 | 7.7 | 26.2 | 4.8 | 71.2 | 17.5 | 9.3 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.0 | 7.7 | 26.4 | 4.8 | 70.9 | 16.4 | 9.6 | | | | | | | | | | | | |
| | | | TCE-WQM2a | Fine | Moderate | 08:03 | 8.3 | Surface | 1.0 | 1 | 28.1 | 7.8 | 25.2 | 4.9 | 72.3 | 7.1 | 8.6 | 4.9 | 8.4 | 11.7 | | | | | | | | |
| | | | | | | | | | 2 | 28.1 | 7.8 | 25.1 | 4.9 | 72.6 | 7.0 | 9.0 | | | | | | | | | | | | |
| | | | | | | | | Middle | 4.2 | 1 | 28.0 | 7.8 | 26.0 | 4.8 | 71.3 | 7.4 | 11.1 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.0 | 7.8 | 26.0 | 4.8 | 71.2 | 7.4 | 10.8 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 7.3 | 1 | 27.7 | 7.8 | 26.7 | 4.8 | 70.5 | 10.7 | 15.7 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.7 | 7.8 | 26.7 | 4.8 | 70.3 | 11.0 | 15.2 | | | | | | | | | | | | |
| | | | TCE-WQM2b | Fine | Moderate | 07:51 | 11.1 | Surface | 1.0 | 1 | 28.1 | 7.8 | 25.0 | 5.0 | 73.6 | 9.4 | 12.0 | 5.0 | 11.0 | 14.3 | | | | | | | | |
| | | | | | | | | | 2 | 28.1 | 7.8 | 25.0 | 5.0 | 73.6 | 9.4 | 12.7 | | | | | | | | | | | | |
| | | | | | | | | Middle | 5.6 | 1 | 28.1 | 7.8 | 25.1 | 5.0 | 73.3 | 10.3 | 14.8 | | | | | | | | | | | |
| | | | | | | | | | 2 | 28.1 | 7.8 | 25.1 | 5.0 | 73.3 | 10.4 | 14.5 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 10.1 | 1 | 27.6 | 7.7 | 27.0 | 4.7 | 69.4 | 13.2 | 16.2 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.6 | 7.7 | 27.1 | 4.7 | 69.0 | 13.0 | 15.7 | | | | | | | | | | | | |
| | | TCE-WQM3A | Fine | Calm | 08:21 | 4.2 | Surface | 1.0 | 1 | 28.1 | 7.7 | 24.8 | 5.2 | 76.2 | 9.4 | 9.8 | 5.2 | 9.6 | 11.1 | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.7 | 24.8 | 5.2 | 76.2 | 9.3 | 9.6 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 3.2 | 1 | 28.1 | 7.7 | 24.9 | 5.3 | 77.6 | 9.9 | 12.2 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.1 | 7.7 | 24.9 | 5.3 | 77.2 | 9.8 | 12.9 | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Fine | Calm | 08:31 | 2.8 | Middle | 1.4 | 1 | 28.0 | 7.8 | | | | 25.1 | 5.3 | 78.3 | 6.6 | 11.1 | 5.3 | 6.6 | 11.0 | |
| | | | | | | | | | | | | | 2 | 28.0 | 7.8 | 25.1 | | | | 5.3 | 78.0 | 6.5 | 10.9 | | | | | |

| 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) | | | | | | | | | |
| 30/08/2018 | Mid-Ebb | TCE-C1 | Rainy | Moderate | 14:53 | 8.5 | Surface | 1.0 | 1 | 28.0 | 8.0 | 20.6 | 5.9 | 83.9 | 6.4 | 9.9 | 5.6 | 9.0 | 11.3 | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 8.0 | 20.6 | 5.9 | 84.0 | 6.4 | 9.5 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.3 | 1 | 27.7 | 7.9 | 24.0 | 5.4 | 77.6 | 7.5 | 11.1 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 7.9 | 24.0 | 5.3 | 77.6 | 7.5 | 11.7 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 7.5 | 1 | 27.2 | 7.9 | 27.3 | 4.5 | 66.1 | 13.1 | 12.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.2 | 7.9 | 27.3 | 4.5 | 66.1 | 13.1 | 13.0 | | | | | | | | | | | | | |
| | | TCE-C2 | Cloudy | Moderate | 14:39 | 12.4 | Surface | 1.0 | 1 | 27.9 | 8.1 | 23.6 | 5.5 | 79.3 | 6.0 | 9.6 | 5.4 | 8.8 | 12.3 | | | | | | | | | |
| | | | | | | | | 2 | 27.8 | 8.0 | 23.3 | 5.5 | 79.3 | 6.1 | 10.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.2 | 1 | 27.8 | 8.1 | 24.2 | 5.2 | 75.7 | 8.6 | 11.9 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 8.0 | 23.9 | 5.2 | 75.7 | 8.9 | 12.3 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 11.4 | 1 | 27.1 | 8.1 | 27.4 | 4.7 | 69.1 | 11.8 | 14.8 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.1 | 8.0 | 27.0 | 4.8 | 69.7 | 11.5 | 15.2 | | | | | | | | | | | | | |
| | | TCE-WQM1 | Cloudy | Moderate | 13:29 | 9.2 | Surface | 1.0 | 1 | 27.8 | 8.1 | 23.9 | 5.4 | 78.8 | 12.1 | 21.7 | 5.4 | 12.5 | 21.9 | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 8.0 | 23.6 | 5.4 | 78.8 | 12.3 | 22.2 | | | | | | | | | | | | | |
| | | | | | | | Middle | 4.6 | 1 | 27.8 | 8.1 | 23.9 | 5.4 | 79.0 | 12.5 | 21.9 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 8.0 | 23.6 | 5.5 | 79.3 | 12.2 | 22.0 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 8.2 | 1 | 27.8 | 8.1 | 23.9 | 5.5 | 80.4 | 12.6 | 21.7 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 8.0 | 23.6 | 5.6 | 80.8 | 13.2 | 22.1 | | | | | | | | | | | | | |
| | | TCE-WQM2a | Cloudy | Moderate | 14:02 | 7.7 | Surface | 1.0 | 1 | 27.8 | 8.1 | 23.3 | 5.6 | 80.8 | 5.6 | 9.0 | 5.3 | 6.0 | 10.1 | | | | | | | | | |
| | | | | | | | | 2 | 27.8 | 8.0 | 23.1 | 5.6 | 80.8 | 5.4 | 8.6 | | | | | | | | | | | | | |
| | | | | | | | Middle | 3.9 | 1 | 27.8 | 8.1 | 24.6 | 5.0 | 73.6 | 5.4 | 10.1 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.8 | 8.0 | 24.3 | 5.1 | 73.8 | 5.2 | 9.8 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 6.7 | 1 | 27.7 | 8.1 | 25.1 | 5.1 | 74.7 | 7.2 | 11.8 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.7 | 8.0 | 24.8 | 5.1 | 74.5 | 6.9 | 11.3 | | | | | | | | | | | | | |
| | | TCE-WQM2b | Cloudy | Moderate | 14:15 | 12.2 | Surface | 1.0 | 1 | 28.1 | 8.1 | 21.4 | 5.6 | 80.9 | 6.8 | 10.4 | 5.6 | 13.4 | 11.8 | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 8.0 | 21.2 | 5.6 | 80.9 | 6.9 | 10.5 | | | | | | | | | | | | | |
| | | | | | | | Middle | 6.1 | 1 | 28.1 | 8.1 | 21.5 | 5.6 | 80.2 | 7.4 | 12.2 | | | | | | | | | | | | |
| | | | | | | | | 2 | 28.0 | 8.0 | 21.3 | 5.6 | 80.2 | 7.4 | 12.8 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 11.2 | 1 | 27.9 | 8.1 | 23.0 | 5.5 | 80.3 | 26.1 | 12.4 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.9 | 8.0 | 22.7 | 5.6 | 80.6 | 26.0 | 12.7 | | | | | | | | | | | | | |
| | TCE-WQM3A | Cloudy | Moderate | 13:51 | 4.8 | Surface | 1.0 | 1 | 27.9 | 8.1 | 23.0 | 5.3 | 77.3 | 6.9 | 13.4 | 5.4 | 9.3 | 14.3 | | | | | | | | | | |
| | | | | | | | 2 | 27.9 | 8.0 | 22.7 | 5.4 | 77.4 | 6.4 | 13.3 | | | | | | | | | | | | | | |
| | | | | | | Bottom | 3.8 | 1 | 27.9 | 8.0 | 24.0 | 5.3 | 76.7 | 11.8 | 15.0 | | | | | | | | | | | | | |
| | | | | | | | 2 | 27.8 | 8.0 | 23.8 | 5.3 | 76.8 | 12.2 | 15.4 | | | | | | | | | | | | | | |
| | | | | | | TCE-WQM4 | Cloudy | Moderate | 13:41 | 4.5 | Surface | 1.0 | 1 | 27.8 | 8.1 | | | | 23.5 | 5.6 | 81.4 | 7.7 | 14.5 | 5.6 | 8.1 | 16.4 | | |
| | | | | | | | | | | | | 2 | 27.8 | 8.0 | 23.3 | | | | 5.6 | 81.5 | 7.2 | 14.3 | | | | | | |
| | Bottom | 3.5 | 1 | 27.8 | 8.1 | | | | | | 23.5 | 5.6 | 81.8 | 8.7 | 18.2 | | | | | | | | | | | | | |
| | | 2 | 27.8 | 8.0 | 23.3 | | | | | | 5.7 | 81.9 | 8.9 | 18.4 | | | | | | | | | | | | | | |
| | Mid-Flood | Mid-Flood | TCE-C1 | Cloudy | M | | | | | | 09:38 | 9.1 | Surface | 1.0 | 1 | 28.1 | 7.9 | 19.3 | 6.1 | 86.7 | 14.4 | 11.2 | 6.0 | | | | 17.3 | 12.7 |
| | | | | | | | | | | | | | | 2 | 28.1 | 7.9 | 19.3 | 6.1 | 86.8 | 14.2 | 11.6 | | | | | | | |
| | | | | | | Middle | 4.6 | 1 | 28.0 | 7.9 | | | 21.9 | 5.8 | 82.9 | 17.0 | 13.1 | | | | | | | | | | | |
| | | | | | | | 2 | 28.0 | 7.9 | 21.9 | | | 5.8 | 82.9 | 17.2 | 12.7 | | | | | | | | | | | | |
| | | | | | | Bottom | 8.1 | 1 | 27.9 | 7.9 | | | 23.4 | 5.6 | 80.8 | 20.3 | 13.6 | | | | | | | | | | | |
| | | | | | | | 2 | 27.9 | 7.9 | 23.4 | | | 5.6 | 80.8 | 20.5 | 13.8 | | | | | | | | | | | | |
| | | | TCE-C2 | Cloudy | Moderate | 08:55 | 14.1 | Surface | 1.0 | 1 | 27.9 | 8.1 | 22.9 | 5.4 | 78.4 | 4.1 | 12.6 | 5.1 | 11.6 | 14.6 | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 8.0 | 22.6 | 5.4 | 78.1 | 4.2 | 12.9 | | | | | | | | | | | | |
| | | | | | | | | Middle | 7.1 | 1 | 27.4 | 8.1 | 26.0 | 4.7 | 69.1 | 11.3 | 13.2 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.6 | 8.0 | 25.1 | 4.8 | 70.4 | 11.1 | 13.6 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 13.1 | 1 | 27.1 | 8.1 | 27.6 | 4.4 | 64.9 | 19.8 | 17.5 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.0 | 8.0 | 27.3 | 4.4 | 65.0 | 19.3 | 18.0 | | | | | | | | | | | | |
| | | | TCE-WQM1 | Cloudy | Moderate | 10:15 | 6.5 | Surface | 1.0 | 1 | 27.8 | 8.1 | 23.5 | 5.3 | 76.4 | 6.8 | 12.2 | 5.3 | 9.0 | 14.3 | | | | | | | | |
| | | | | | | | | | 2 | 27.7 | 8.0 | 23.3 | 5.3 | 76.5 | 6.4 | 11.8 | | | | | | | | | | | | |
| | | | | | | | | Middle | 3.3 | 1 | 27.7 | 8.1 | 24.3 | 5.2 | 76.3 | 9.1 | 14.4 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.7 | 8.0 | 24.0 | 5.3 | 76.3 | 9.5 | 14.0 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 5.5 | 1 | 27.7 | 8.1 | 24.4 | 5.3 | 77.8 | 11.1 | 16.4 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.7 | 8.0 | 24.1 | 5.3 | 77.5 | 11.0 | 17.0 | | | | | | | | | | | | |
| | | | TCE-WQM2a | Cloudy | Moderate | 09:36 | 7.6 | Surface | 1.0 | 1 | 28.0 | 8.1 | 22.7 | 5.6 | 80.4 | 6.0 | 11.1 | 5.4 | 10.6 | 12.0 | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 8.0 | 22.4 | 5.6 | 80.4 | 5.8 | 11.1 | | | | | | | | | | | | |
| | | | | | | | | Middle | 38.0 | 1 | 27.9 | 8.1 | 23.9 | 5.2 | 76.0 | 11.6 | 11.8 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 8.0 | 23.6 | 5.2 | 76.1 | 11.4 | 12.3 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 75.0 | 1 | 27.8 | 8.1 | 24.3 | 5.2 | 75.4 | 14.4 | 13.0 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.8 | 8.0 | 24.0 | 5.2 | 75.5 | 14.3 | 12.6 | | | | | | | | | | | | |
| | | | TCE-WQM2b | Cloudy | Moderate | 09:21 | 11.8 | Surface | 1.0 | 1 | 27.9 | 8.1 | 23.7 | 5.3 | 76.6 | 11.1 | 20.8 | 5.3 | 14.2 | 21.5 | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 8.0 | 23.4 | 5.3 | 76.7 | 11.4 | 20.2 | | | | | | | | | | | | |
| | | | | | | | | Middle | 5.9 | 1 | 27.9 | 8.1 | 23.8 | 5.2 | 76.2 | 12.6 | 20.8 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 8.0 | 23.5 | 5.3 | 76.2 | 12.6 | 20.6 | | | | | | | | | | | | |
| | | | | | | | | Bottom | 10.8 | 1 | 27.9 | 8.1 | 24.1 | 5.2 | 76.3 | 18.7 | 23.1 | | | | | | | | | | | |
| | | | | | | | | | 2 | 27.9 | 8.0 | 23.8 | 5.3 | 76.4 | 18.7 | 23.7 | | | | | | | | | | | | |
| | | TCE-WQM3A | Cloudy | Moderate | 09:49 | 4.5 | Surface | 1.0 | 1 | 27.9 | 8.1 | 23.1 | 5.5 | 80.2 | 8.4 | 14.6 | 5.6 | 9.2 | 17.5 | | | | | | | | | |
| | | | | | | | | 2 | 27.9 | 8.0 | 22.8 | 5.6 | 80.3 | 8.7 | 15.4 | | | | | | | | | | | | | |
| | | | | | | | Bottom | 3.5 | 1 | 27.9 | 8.1 | 23.3 | 5.5 | 80.4 | 9.5 | 20.3 | | | | | | | | | | | | |
| | | | | | | | | 2 | 27.9 | 8.0 | 23.0 | 5.6 | 80.6 | 10.0 | 19.7 | | | | | | | | | | | | | |
| | | | | | | | TCE-WQM4 | Cloudy | Moderate | 10:01 | 3.7 | Surface | 1.0 | 1 | 27.9 | 8.1 | | | | 23.2 | 5.6 | 80.5 | 4.6 | 9.3 | 5.6 | 5.9 | 9.7 | |
| | | | | | | | | | | | | | 2 | 27.9 | 8.0 | 22.9 | | | | 5.6 | 80.7 | 4.9 | 8.7 | | | | | |
| | | Bottom | 2.7 | 1 | 27.8 | 8.1 | | | | | | 24.0 | 5.4 | 78.6 | 7.2 | 10.7 | | | | | | | | | | | | |
| | | | 2 | 27.8 | 8.0 | 23.7 | | | | | | 5.4 | 78.9 | 7.0 | 10.1 | | | | | | | | | | | | | |