



**Water Monitoring Result at M5B - Central Cooling Water Intake Group  
Mid-Flood Tide**

| Date     | Time  | Weather Condition | Sampling Depth |     | Water Temperature |         |       | pH    |         |      | Salinity |         |       | DO Saturation |         |      | DO    |         | Turbidity |       |         | Suspended Solids |         |              |
|----------|-------|-------------------|----------------|-----|-------------------|---------|-------|-------|---------|------|----------|---------|-------|---------------|---------|------|-------|---------|-----------|-------|---------|------------------|---------|--------------|
|          |       |                   |                |     | °C                |         |       | -     |         |      | ppt      |         |       | %             |         |      | mg/L  |         | NTU       |       |         | mg/L             |         |              |
|          |       |                   |                |     | Value             | Average |       | Value | Average |      | Value    | Average |       | Value         | Average |      | Value | Average |           | Value | Average | Value            | Average | Value        |
| 2/11/15  | 10:30 | Fine              | Middle         | 3.5 | 25.70             | 25.70   | 25.65 | 8.25  | 8.25    | 8.30 | 31.80    | 31.80   | 31.80 | 86.9          | 87.4    | 87.1 | 5.92  | 5.96    | 5.94      | 8.56  | 8.56    | 8.56             | 7       | 6.00         |
|          | 10:32 |                   | Middle         | 3.5 | 25.60             | 25.60   |       | 8.34  | 8.34    |      | 31.80    | 31.80   |       | 86.5          | 87.5    |      | 5.90  | 5.97    |           | 8.56  | 8.54    |                  | 5       |              |
| 4/11/15  | 14:10 | Fine              | Middle         | 3.5 | 26.50             | 26.50   | 26.50 | 8.38  | 8.38    | 8.39 | 32.52    | 32.52   | 32.55 | 77.0          | 77.6    | 77.7 | 5.09  | 5.20    | 5.21      | 12.54 | 12.54   | 12.45            | 9       | 9.50         |
|          | 14:12 |                   | Middle         | 3.5 | 26.50             | 26.50   |       | 8.40  | 8.40    |      | 32.57    | 32.57   |       | 79.2          | 76.9    |      | 5.29  | 5.25    |           | 12.38 | 12.34   |                  | 10      |              |
| 6/11/15  | 14:49 | Fine              | Middle         | 3.5 | 25.90             | 25.90   | 25.95 | 8.35  | 8.35    | 8.36 | 32.47    | 32.47   | 32.48 | 81.9          | 80.3    | 79.6 | 5.53  | 5.42    | 5.37      | 8.36  | 7.85    | 8.22             | 4       | 4.50         |
|          | 14:51 |                   | Middle         | 3.5 | 26.00             | 26.00   |       | 8.36  | 8.36    |      | 32.48    | 32.48   |       | 78.7          | 77.3    |      | 5.32  | 5.22    |           | 8.38  | 8.30    |                  | 5       |              |
| 9/11/15  | 15:35 | Fine              | Middle         | 3.5 | 27.10             | 27.10   | 27.15 | 8.30  | 8.30    | 8.31 | 32.40    | 32.40   | 32.40 | 80.6          | 79.5    | 79.7 | 5.34  | 5.27    | 5.28      | 9.06  | 9.06    | 9.08             | 8       | 8.50         |
|          | 15:37 |                   | Middle         | 3.5 | 27.20             | 27.20   |       | 8.32  | 8.32    |      | 32.39    | 32.39   |       | 78.6          | 80.1    |      | 5.20  | 5.30    |           | 9.06  | 9.12    |                  | 9       |              |
| 11/11/15 | 15:50 | Fine              | Middle         | 3.5 | 25.60             | 25.60   | 25.60 | 8.39  | 8.39    | 8.39 | 32.72    | 32.72   | 32.73 | 89.9          | 88.9    | 89.8 | 6.10  | 6.04    | 6.10      | 7.78  | 7.72    | 7.70             | 5       | 4.50         |
|          | 15:52 |                   | Middle         | 3.5 | 25.60             | 25.60   |       | 8.39  | 8.39    |      | 32.73    | 32.73   |       | 90.2          | 90.2    |      | 6.12  | 6.12    |           | 7.66  | 7.63    |                  | 4       |              |
| 13/11/15 | 20:35 | Cloudy            | Middle         | 3.5 | 24.40             | 24.40   | 24.40 | 8.42  | 8.42    | 8.43 | 32.98    | 32.98   | 32.98 | 77.2          | 78.3    | 78.0 | 5.34  | 5.42    | 5.40      | 13.27 | 12.67   | 12.68            | 11      | 11.50        |
|          | 20:36 |                   | Middle         | 3.5 | 24.40             | 24.40   |       | 8.43  | 8.43    |      | 32.98    | 32.98   |       | 78.5          | 78.0    |      | 5.43  | 5.40    |           | 12.53 | 12.26   |                  | 12      |              |
| 17/11/15 | 10:25 | Fine              | Middle         | 3.5 | 26.40             | 26.40   | 26.40 | 8.31  | 8.31    | 8.32 | 32.13    | 32.13   | 32.13 | 89.4          | 88.9    | 89.1 | 6.01  | 5.97    | 5.99      | 7.49  | 7.57    | 7.56             | 5       | 5.00         |
|          | 10:27 |                   | Middle         | 3.5 | 26.40             | 26.40   |       | 8.32  | 8.32    |      | 32.13    | 32.13   |       | 88.8          | 89.4    |      | 5.97  | 6.01    |           | 7.59  | 7.58    |                  | 5       |              |
| 19/11/15 | 11:05 | Fine              | Middle         | 3.5 | 26.50             | 26.50   | 26.40 | 8.27  | 8.27    | 8.28 | 31.39    | 31.39   | 31.45 | 77.4          | 76.2    | 75.7 | 5.23  | 5.15    | 5.11      | 14.36 | 14.05   | 14.07            | 18      | <b>17.00</b> |
|          | 11:07 |                   | Middle         | 3.5 | 26.30             | 26.30   |       | 8.29  | 8.29    |      | 31.51    | 31.51   |       | 75.1          | 74.0    |      | 5.07  | 5.00    |           | 13.95 | 13.92   |                  | 16      |              |
| 21/11/15 | 14:38 | Fine              | Middle         | 3.5 | 25.60             | 25.60   | 25.60 | 8.28  | 8.28    | 8.29 | 32.27    | 32.27   | 32.29 | 80.1          | 78.2    | 77.5 | 5.45  | 5.32    | 5.27      | 6.76  | 6.70    | 6.74             | 4       | 4.00         |
|          | 14:40 |                   | Middle         | 3.5 | 25.60             | 25.60   |       | 8.30  | 8.30    |      | 32.31    | 32.31   |       | 76.7          | 74.9    |      | 5.22  | 5.10    |           | 6.70  | 6.80    |                  | 4       |              |
| 23/11/15 | 15:05 | Fine              | Middle         | 3.5 | 26.10             | 26.10   | 26.15 | 8.33  | 8.33    | 8.34 | 32.32    | 32.32   | 32.31 | 93.8          | 93.2    | 93.3 | 6.32  | 6.28    | 6.28      | 10.83 | 10.83   | 10.82            | 9       | 9.00         |
|          | 15:07 |                   | Middle         | 3.5 | 26.20             | 26.20   |       | 8.34  | 8.34    |      | 32.30    | 32.30   |       | 92.2          | 93.8    |      | 6.21  | 6.32    |           | 10.83 | 10.80   |                  | 9       |              |
| 25/11/15 | 15:21 | Fine              | Middle         | 3.5 | 25.50             | 25.50   | 25.45 | 8.35  | 8.35    | 8.36 | 31.99    | 31.99   | 32.00 | 83.3          | 83.1    | 82.6 | 5.70  | 5.69    | 5.65      | 6.11  | 5.86    | 5.95             | 5       | 5.50         |
|          | 15:23 |                   | Middle         | 3.5 | 25.40             | 25.40   |       | 8.36  | 8.36    |      | 32.00    | 32.00   |       | 82.5          | 81.5    |      | 5.64  | 5.57    |           | 5.82  | 6.00    |                  | 6       |              |
| 27/11/15 | 19:20 | Fine              | Middle         | 3.5 | 22.60             | 22.60   | 22.40 | 8.37  | 8.37    | 8.38 | 32.71    | 32.71   | 32.72 | 80.5          | 80.2    | 80.2 | 5.91  | 5.79    | 5.82      | 6.30  | 6.28    | 6.27             | 5       | 5.00         |
|          | 19:21 |                   | Middle         | 3.5 | 22.20             | 22.20   |       | 8.39  | 8.39    |      | 32.72    | 32.72   |       | 79.7          | 80.2    |      | 5.76  | 5.80    |           | 6.26  | 6.23    |                  | 5       |              |
| 30/11/15 | 10:35 | Fine              | Middle         | 3.5 | 23.90             | 23.90   | 23.90 | 8.35  | 8.35    | 8.36 | 32.20    | 32.20   | 32.20 | 85.9          | 86.4    | 86.1 | 6.02  | 6.06    | 6.04      | 11.02 | 11.01   | 11.01            | 10      | 9.50         |
|          | 10:37 |                   | Middle         | 3.5 | 23.90             | 23.90   |       | 8.37  | 8.37    |      | 32.20    | 32.20   |       | 86.4          | 85.8    |      | 6.06  | 6.02    |           | 11.01 | 11.01   |                  | 9       |              |

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Cooling Water Intake Group  
Mid-Flood Tide**

| Date     | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       |         | DO Saturation |         | DO    |         | Turbidity |         | Suspended Solids |         |      |    |       |
|----------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------|---------------|---------|-------|---------|-----------|---------|------------------|---------|------|----|-------|
|          |       |                   |                |       | °C                |       | -       |       | ppt     |       | %        |       | mg/L    |               | NTU     |       | mg/L    |           |         |                  |         |      |    |       |
|          |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average | Value         | Average | Value | Average | Value     | Average | Value            | Average |      |    |       |
| 2/12/15  | 15:00 | Fine              | Middle         | 3.5   | 24.30             | 24.30 | 24.35   | 8.29  | 8.29    | 8.31  | 32.13    | 32.13 | 32.13   | 80.2          | 79.1    | 78.3  | 5.58    | 5.50      | 5.45    | 5.20             | 5.06    | 5.17 | 4  | 4.00  |
|          | 15:02 |                   | Middle         | 3.5   | 24.40             | 24.40 |         | 8.32  | 8.32    |       | 32.12    | 32.12 |         | 77.4          | 76.5    |       | 5.39    | 5.32      |         | 5.19             | 5.22    |      | 4  |       |
| 4/12/15  | 13:35 | Fine              | Middle         | 3.5   | 22.80             | 22.80 | 22.85   | 8.33  | 8.33    | 8.36  | 32.30    | 32.48 | 32.47   | 78.0          | 76.8    | 76.6  | 5.55    | 5.47      | 5.45    | 7.77             | 7.77    | 7.68 | 9  | 8.00  |
|          | 13:37 |                   | Middle         | 3.5   | 22.90             | 22.90 |         | 8.38  | 8.38    |       | 32.54    | 32.54 |         | 76.4          | 75.2    |       | 5.44    | 5.35      |         | 7.63             | 7.56    |      | 7  |       |
| 7/12/15  | 14:20 | Fine              | Middle         | 3.5   | 22.10             | 22.10 | 22.20   | 8.40  | 8.40    | 8.42  | 31.10    | 31.10 | 31.08   | 82.2          | 78.8    | 78.7  | 5.81    | 5.66      | 5.63    | 5.22             | 5.25    | 5.25 | 4  | 3.50  |
|          | 14:22 |                   | Middle         | 3.5   | 22.30             | 22.30 |         | 8.43  | 8.43    |       | 31.00    | 31.10 |         | 77.4          | 76.2    |       | 5.56    | 5.47      |         | 5.24             | 5.27    |      | 3  |       |
| 9/12/15  | 15:25 | Rainy             | Middle         | 3.5   | 21.20             | 21.20 | 21.30   | 8.41  | 8.41    | 8.42  | 32.06    | 32.06 | 32.31   | 86.1          | 85.8    | 84.0  | 6.30    | 6.27      | 6.14    | 5.39             | 5.36    | 5.33 | 4  | 4.00  |
|          | 15:27 |                   | Middle         | 3.5   | 21.40             | 21.40 |         | 8.43  | 8.41    |       | 32.55    | 32.55 |         | 82.9          | 81.1    |       | 6.06    | 5.93      |         | 5.33             | 5.23    |      | 4  |       |
| 11/12/15 | 15:41 | Fine              | Middle         | 3.5   | 22.10             | 22.10 | 22.10   | 8.33  | 8.35    | 8.36  | 32.82    | 32.82 | 32.82   | 78.4          | 79.0    | 78.1  | 5.66    | 5.70      | 5.63    | 4.83             | 4.76    | 4.75 | <2 | <2    |
|          | 15:43 |                   | Middle         | 3.5   | 22.10             | 22.10 |         | 8.38  | 8.38    |       | 32.82    | 32.82 |         | 78.4          | 76.5    |       | 5.65    | 5.52      |         | 4.70             | 4.69    |      | <2 |       |
| 14/12/15 | 8:45  | Cloudy            | Middle         | 3.5   | 21.70             | 21.70 | 21.70   | 8.38  | 8.38    | 8.39  | 32.84    | 32.84 | 32.84   | 91.2          | 91.7    | 91.2  | 6.62    | 6.66      | 6.62    | 8.31             | 8.34    | 8.34 | 6  | 6.50  |
|          | 8:47  |                   | Middle         | 3.5   | 21.70             | 21.70 |         | 8.40  | 8.40    |       | 32.84    | 32.84 |         | 91.7          | 90.2    |       | 6.66    | 6.55      |         | 8.38             | 8.34    |      | 7  |       |
| 16/12/15 | 10:06 | Fine              | Middle         | 3.5   | 19.70             | 19.70 | 19.70   | 8.42  | 8.41    | 8.42  | 32.70    | 32.70 | 32.77   | 82.1          | 81.5    | 80.4  | 6.18    | 6.14      | 6.06    | 9.32             | 9.24    | 9.26 | 9  | 8.00  |
|          | 10:08 |                   | Middle         | 3.5   | 19.70             | 19.70 |         | 8.42  | 8.42    |       | 32.83    | 32.83 |         | 79.4          | 78.7    |       | 5.98    | 5.93      |         | 9.24             | 9.24    |      | 7  |       |
| 18/12/15 | 10:10 | Fine              | Middle         | 3.5   | 18.80             | 18.80 | 18.85   | 8.32  | 8.32    | 8.34  | 32.78    | 32.78 | 32.81   | 83.0          | 80.8    | 80.7  | 6.34    | 6.16      | 6.16    | 9.89             | 10.03   | 9.95 | 10 | 10.00 |
|          | 10:12 |                   | Middle         | 3.5   | 18.90             | 18.90 |         | 8.36  | 8.36    |       | 32.84    | 32.84 |         | 80.0          | 79.0    |       | 6.11    | 6.04      |         | 9.96             | 9.93    |      | 10 |       |
| 21/12/15 | 16:05 | Fine              | Middle         | 3.5   | 20.20             | 20.20 | 20.25   | 8.35  | 8.35    | 8.37  | 32.81    | 32.81 | 32.81   | 87.0          | 88.5    | 89.0  | 6.49    | 6.61      | 6.64    | 6.42             | 6.38    | 6.24 | 4  | 4.00  |
|          | 16:07 |                   | Middle         | 3.5   | 20.30             | 20.30 |         | 8.38  | 8.38    |       | 32.81    | 32.81 |         | 90.1          | 90.4    |       | 6.72    | 6.74      |         | 6.16             | 6.01    |      | 4  |       |
| 23/12/15 | 16:19 | Cloudy            | Middle         | 3.5   | 20.90             | 20.90 | 20.85   | 8.29  | 8.29    | 8.31  | 32.72    | 32.72 | 32.72   | 85.1          | 83.4    | 83.4  | 6.30    | 6.17      | 6.15    | 5.29             | 5.22    | 5.28 | 6  | 5.50  |
|          | 16:21 |                   | Middle         | 3.5   | 20.80             | 20.80 |         | 8.33  | 8.33    |       | 32.72    | 32.72 |         | 82.4          | 82.7    |       | 6.09    | 6.04      |         | 5.29             | 5.32    |      | 5  |       |
| 26/12/15 | 5:23  | Cloudy            | Middle         | 3.0   | 19.10             | 19.10 | 19.10   | 8.44  | 8.44    | 8.44  | 32.50    | 32.50 | 32.50   | 77.2          | 76.8    | 77.2  | 5.89    | 5.86      | 5.89    | 4.84             | 4.72    | 4.70 | 4  | 5.00  |
|          | 5:24  |                   | Middle         | 3.0   | 19.10             | 19.10 |         | 8.44  | 8.44    |       | 32.49    | 32.49 |         | 77.5          | 77.2    |       | 5.91    | 5.89      |         | 4.63             | 4.61    |      | 6  |       |
| 28/12/15 | 8:46  | Fine              | Middle         | 3.5   | 19.00             | 19.00 | 19.05   | 8.34  | 8.34    | 8.35  | 31.92    | 31.92 | 31.99   | 82.0          | 80.6    | 80.2  | 6.28    | 6.17      | 6.14    | 7.21             | 8.24    | 7.61 | 5  | 5.50  |
|          | 8:48  |                   | Middle         | 3.5   | 19.10             | 19.10 |         | 8.35  | 8.35    |       | 32.05    | 32.05 |         | 79.6          | 78.5    |       | 6.09    | 6.01      |         | 7.61             | 7.38    |      | 6  |       |
| 30/12/15 | 8:21  | Fine              | Middle         | 3.5   | 18.90             | 18.90 | 18.90   | 8.34  | 8.34    | 8.35  | 32.10    | 32.10 | 32.15   | 83.7          | 81.5    | 81.1  | 6.43    | 6.26      | 6.23    | 7.17             | 7.19    | 7.23 | 5  | 5.00  |
|          | 8:23  |                   | Middle         | 3.5   | 18.90             | 18.90 |         | 8.35  | 8.35    |       | 32.20    | 32.20 |         | 80.0          | 79.0    |       | 6.14    | 6.07      |         | 7.20             | 7.35    |      | 5  |       |

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**Water Monitoring Result at M5B - Central Cooling Water Intake Group  
Mid-Flood Tide**

| Date    | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       | DO Saturation |       | DO      |       | Turbidity |       | Suspended Solids |      |      |      |    |      |
|---------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------------|-------|---------|-------|-----------|-------|------------------|------|------|------|----|------|
|         |       |                   |                |       | °C                |       | -       |       | ppt     |       | %        |       | mg/L          |       | NTU     |       | mg/L      |       |                  |      |      |      |    |      |
|         |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average       | Value | Average | Value | Average   | Value | Average          |      |      |      |    |      |
| 2/1/16  | 9:18  | Fine              | Middle         | 3.5   | 19.40             | 19.40 | 19.40   | 8.37  | 8.37    | 8.38  | 32.05    | 32.05 | 32.07         | 87.7  | 86.5    | 85.3  | 6.67      | 6.58  | 6.49             | 5.45 | 5.46 | 5.44 | 3  | 3.00 |
|         | 9:20  |                   | Middle         | 3.5   | 19.40             | 19.40 |         | 8.38  | 8.38    |       | 32.08    | 32.08 |               | 84.0  | 82.9    |       | 6.38      | 6.31  |                  | 5.46 | 5.40 |      |    |      |
| 4/1/16  | 13:45 | Fine              | Middle         | 3.5   | 21.00             | 21.00 | 21.00   | 8.22  | 8.22    | 8.24  | 31.96    | 31.96 | 31.85         | 84.3  | 82.0    | 81.4  | 6.25      | 6.08  | 6.03             | 2.73 | 2.64 | 2.62 | <2 | <2   |
|         | 13:47 |                   | Middle         | 3.5   | 21.00             | 21.00 |         | 8.26  | 8.26    |       | 31.73    | 31.73 |               | 80.6  | 78.5    |       | 5.98      | 5.82  |                  | 2.56 | 2.54 |      |    |      |
| 6/1/16  | 14:55 | Fine              | Middle         | 3.5   | 21.50             | 21.50 | 21.60   | 8.23  | 8.23    | 8.25  | 31.23    | 31.23 | 26.73         | 94.1  | 94.9    | 94.3  | 6.91      | 6.97  | 6.91             | 6.95 | 6.88 | 6.88 | 3  | 3.00 |
|         | 14:57 |                   | Middle         | 3.5   | 21.70             | 21.70 |         | 8.26  | 8.26    |       | 31.23    | 13.23 |               | 94.6  | 93.6    |       | 6.94      | 6.80  |                  | 6.86 | 6.83 |      |    |      |
| 8/1/16  | 14:50 | Fine              | Middle         | 3.5   | 20.20             | 20.20 | 20.25   | 8.30  | 8.30    | 8.32  | 31.36    | 31.36 | 31.36         | 94.4  | 95.2    | 95.3  | 7.10      | 7.16  | 7.15             | 4.81 | 4.89 | 4.86 | 2  | 2.00 |
|         | 14:52 |                   | Middle         | 3.5   | 20.30             | 20.30 |         | 8.34  | 8.34    |       | 31.36    | 31.37 |               | 96.2  | 95.2    |       | 7.16      | 7.16  |                  | 4.88 | 4.87 |      |    |      |
| 11/1/16 | 8:17  | Rainy             | Middle         | 3.5   | 19.00             | 19.00 | 19.00   | 8.42  | 8.42    | 8.43  | 31.41    | 31.41 | 31.42         | 84.5  | 85.2    | 84.4  | 6.50      | 6.56  | 6.50             | 7.20 | 7.19 | 7.15 | 3  | 3.00 |
|         | 8:19  |                   | Middle         | 3.5   | 19.00             | 19.00 |         | 8.43  | 8.43    |       | 31.43    | 31.43 |               | 84.7  | 83.3    |       | 6.52      | 6.41  |                  | 7.11 | 7.08 |      |    |      |
| 13/1/16 | 9:18  | Fine              | Middle         | 3.5   | 18.40             | 18.40 | 18.45   | 8.36  | 8.36    | 8.38  | 30.70    | 30.70 | 30.84         | 88.0  | 86.3    | 87.0  | 6.85      | 6.72  | 6.77             | 4.93 | 5.08 | 4.95 | 5  | 4.50 |
|         | 9:20  |                   | Middle         | 3.5   | 18.50             | 18.50 |         | 8.40  | 8.40    |       | 30.97    | 30.97 |               | 86.4  | 87.1    |       | 6.73      | 6.78  |                  | 4.94 | 4.85 |      |    |      |
| 15/1/16 | 10:39 | Rainy             | Middle         | 3.5   | 17.90             | 17.90 | 17.95   | 8.36  | 8.36    | 8.38  | 30.78    | 30.78 | 30.85         | 85.0  | 82.4    | 82.6  | 6.68      | 6.51  | 6.50             | 5.83 | 5.33 | 5.35 | 3  | 3.00 |
|         | 10:41 |                   | Middle         | 3.5   | 18.00             | 18.00 |         | 8.39  | 8.39    |       | 30.92    | 30.92 |               | 82.0  | 80.8    |       | 6.46      | 6.35  |                  | 5.13 | 5.09 |      |    |      |
| 18/1/16 | 11:02 | Fine              | Middle         | 3.5   | 18.20             | 18.20 | 18.15   | 8.42  | 8.42    | 8.44  | 30.85    | 30.85 | 30.86         | 91.8  | 91.4    | 91.6  | 7.20      | 7.17  | 7.19             | 7.77 | 7.77 | 7.79 | 2  | 2.50 |
|         | 11:04 |                   | Middle         | 3.5   | 18.10             | 18.10 |         | 8.45  | 8.45    |       | 30.86    | 30.86 |               | 92.6  | 90.6    |       | 7.26      | 7.11  |                  | 7.78 | 7.83 |      |    |      |
| 20/1/16 | 14:59 | Cloudy            | Middle         | 3.5   | 17.80             | 17.80 | 17.70   | 8.39  | 8.39    | 8.42  | 31.31    | 31.31 | 31.32         | 96.7  | 95.5    | 95.4  | 7.64      | 7.54  | 7.54             | 7.48 | 7.47 | 7.47 | <2 | 3.00 |
|         | 15:01 |                   | Middle         | 3.5   | 17.60             | 17.60 |         | 8.45  | 8.45    |       | 31.32    | 31.32 |               | 95.0  | 94.5    |       | 7.50      | 7.46  |                  | 7.47 | 7.46 |      |    |      |
| 22/1/16 | 15:39 | Rainy             | Middle         | 3.5   | 17.30             | 17.30 | 17.30   | 8.39  | 8.39    | 8.41  | 30.94    | 30.94 | 31.01         | 89.1  | 88.0    | 87.3  | 7.09      | 7.00  | 6.95             | 6.72 | 6.70 | 6.69 | <2 | 2.00 |
|         | 15:41 |                   | Middle         | 3.5   | 17.30             | 17.30 |         | 8.43  | 8.43    |       | 31.07    | 31.07 |               | 86.5  | 85.6    |       | 6.89      | 6.82  |                  | 6.69 | 6.66 |      |    |      |
| 25/1/16 | 8:07  | Fine              | Middle         | 3.5   | 14.00             | 14.00 | 14.00   | 8.40  | 8.40    | 8.42  | 31.31    | 31.31 | 31.34         | 87.5  | 86.3    | 85.7  | 7.42      | 7.32  | 7.27             | 9.08 | 9.09 | 9.07 | 4  | 4.00 |
|         | 8:09  |                   | Middle         | 3.5   | 14.00             | 14.00 |         | 8.43  | 8.43    |       | 31.36    | 31.36 |               | 84.9  | 83.9    |       | 7.20      | 7.12  |                  | 9.09 | 9.00 |      |    |      |
| 27/1/16 | 8:50  | Cloudy            | Middle         | 4.0   | 15.20             | 15.20 | 15.15   | 8.39  | 8.39    | 8.41  | 31.25    | 31.25 | 31.25         | 96.4  | 96.4    | 96.3  | 8.00      | 8.00  | 7.99             | 9.49 | 9.50 | 9.50 | 4  | 5.00 |
|         | 8:52  |                   | Middle         | 4.0   | 15.10             | 15.10 |         | 8.42  | 8.42    |       | 31.25    | 31.25 |               | 96.1  | 96.1    |       | 7.98      | 7.98  |                  | 9.50 | 9.51 |      |    |      |
| 29/1/16 | 10:10 | Rainy             | Middle         | 3.5   | 16.80             | 16.80 | 16.80   | 8.35  | 8.35    | 8.37  | 30.83    | 30.83 | 30.83         | 94.9  | 95.1    | 94.7  | 7.65      | 7.66  | 7.63             | 8.00 | 8.00 | 8.02 | 5  | 4.00 |
|         | 10:12 |                   | Middle         | 3.5   | 16.80             | 16.80 |         | 8.39  | 8.39    |       | 30.82    | 30.82 |               | 94.9  | 93.9    |       | 7.65      | 7.56  |                  | 7.97 | 8.11 |      |    |      |

Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group  
Mid-Ebb Tide**

| Date     | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       |         | DO Saturation |         | DO    |         | Turbidity |         | Suspended Solids |       |       |   |      |
|----------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------|---------------|---------|-------|---------|-----------|---------|------------------|-------|-------|---|------|
|          |       |                   |                |       | °C                |       | -       |       | ppt     |       | %        |       | mg/L    |               | NTU     |       | mg/L    |           |         |                  |       |       |   |      |
|          |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average | Value         | Average | Value | Average | Value     | Average |                  |       |       |   |      |
| 2/11/15  | 6:48  | Cloudy            | Middle         | 3.0   | 23.20             | 23.20 | 23.15   | 8.38  | 8.38    | 8.38  | 31.34    | 31.34 | 31.35   | 77.5          | 78.2    | 77.7  | 5.54    | 5.59      | 5.56    | 10.34            | 10.73 | 10.46 | 4 | 4.00 |
|          | 6:49  |                   | Middle         | 3.0   | 23.10             | 23.10 |         | 8.38  | 8.38    |       | 31.35    | 31.35 |         | 77.9          | 77.3    |       | 5.57    | 5.53      |         | 10.52            | 10.26 |       | 4 |      |
| 4/11/15  | 7:00  | Cloudy            | Middle         | 3.0   | 25.00             | 25.00 | 24.98   | 8.43  | 8.43    | 8.43  | 32.81    | 32.81 | 32.82   | 77.1          | 78.1    | 77.5  | 5.30    | 5.37      | 5.33    | 4.48             | 4.38  | 4.44  | 3 | 3.00 |
|          | 7:01  |                   | Middle         | 3.0   | 24.90             | 25.00 |         | 8.43  | 8.43    |       | 32.82    | 32.82 |         | 76.9          | 77.9    |       | 5.29    | 5.36      |         | 4.46             | 4.42  |       | 3 |      |
| 6/11/15  | 8:31  | Fine              | Middle         | 3.5   | 25.90             | 25.90 | 25.90   | 8.24  | 8.24    | 8.29  | 31.23    | 31.23 | 31.69   | 71.5          | 70.0    | 70.9  | 4.86    | 4.75      | 4.81    | 7.34             | 7.31  | 7.42  | 3 | 3.00 |
|          | 8:33  |                   | Middle         | 3.5   | 25.90             | 25.90 |         | 8.33  | 8.33    |       | 32.15    | 32.15 |         | 70.2          | 71.8    |       | 4.76    | 4.87      |         | 7.55             | 7.49  |       | 3 |      |
| 9/11/15  | 10:24 | Fine              | Middle         | 3.5   | 26.70             | 26.70 | 26.70   | 8.31  | 8.31    | 8.32  | 32.59    | 32.59 | 32.57   | 77.5          | 76.3    | 75.7  | 5.07    | 5.09      | 5.03    | 7.09             | 7.08  | 7.07  | 5 | 5.50 |
|          | 10:26 |                   | Middle         | 3.5   | 26.70             | 26.70 |         | 8.32  | 8.32    |       | 32.55    | 32.55 |         | 75.0          | 73.9    |       | 5.01    | 4.93      |         | 7.07             | 7.05  |       | 6 |      |
| 11/11/15 | 10:40 | Cloudy            | Middle         | 4.0   | 25.30             | 25.30 | 25.30   | 8.38  | 8.38    | 8.38  | 31.08    | 31.08 | 31.09   | 70.8          | 72.7    | 71.7  | 4.88    | 5.01      | 4.94    | 10.60            | 10.62 | 10.62 | 9 | 9.00 |
|          | 10:42 |                   | Middle         | 4.0   | 25.30             | 25.30 |         | 8.38  | 8.38    |       | 31.09    | 31.09 |         | 71.7          | 71.7    |       | 4.94    | 4.94      |         | 10.62            | 10.62 |       | 9 |      |
| 13/11/15 | 11:45 | Cloudy            | Middle         | 3.0   | 25.60             | 25.60 | 25.60   | 8.41  | 8.41    | 8.43  | 32.69    | 32.69 | 32.72   | 89.7          | 89.5    | 89.7  | 6.11    | 6.08      | 6.10    | 5.75             | 5.65  | 5.68  | 6 | 6.50 |
|          | 11:47 |                   | Middle         | 3.0   | 25.60             | 25.60 |         | 8.44  | 8.44    |       | 32.75    | 32.75 |         | 89.9          | 89.6    |       | 6.12    | 6.08      |         | 5.65             | 5.67  |       | 7 |      |
| 17/11/15 | 4:46  | Cloudy            | Middle         | 3.0   | 25.30             | 25.30 | 25.35   | 8.35  | 8.35    | 8.36  | 32.32    | 32.32 | 32.32   | 78.6          | 79.8    | 79.3  | 5.37    | 5.45      | 5.42    | 5.84             | 5.89  | 5.90  | 3 | 3.50 |
|          | 4:47  |                   | Middle         | 3.0   | 25.40             | 25.40 |         | 8.36  | 8.36    |       | 32.32    | 32.32 |         | 79.9          | 78.9    |       | 5.46    | 5.39      |         | 5.92             | 5.96  |       | 4 |      |
| 19/11/15 | 6:05  | Cloudy            | Middle         | 3.0   | 25.60             | 25.60 | 25.60   | 8.31  | 8.31    | 8.32  | 31.33    | 31.33 | 31.33   | 81.5          | 82.4    | 81.9  | 5.58    | 5.64      | 5.61    | 4.70             | 4.66  | 4.65  | 5 | 6.00 |
|          | 6:06  |                   | Middle         | 3.0   | 25.60             | 25.60 |         | 8.32  | 8.32    |       | 31.33    | 31.33 |         | 82.0          | 81.8    |       | 5.61    | 5.60      |         | 4.62             | 4.61  |       | 7 |      |
| 21/11/15 | 20:17 | Cloudy            | Middle         | 3.5   | 25.30             | 25.30 | 25.20   | 8.37  | 8.37    | 8.38  | 32.86    | 32.86 | 32.86   | 81.9          | 81.0    | 81.5  | 5.58    | 5.55      | 5.59    | 8.03             | 8.01  | 7.92  | 4 | 4.50 |
|          | 20:18 |                   | Middle         | 3.5   | 25.10             | 25.10 |         | 8.39  | 8.39    |       | 32.86    | 32.85 |         | 81.2          | 81.8    |       | 5.60    | 5.61      |         | 7.91             | 7.74  |       | 5 |      |
| 23/11/15 | 10:10 | Fine              | Middle         | 3.5   | 25.80             | 25.80 | 25.80   | 8.28  | 8.28    | 8.30  | 32.49    | 32.49 | 32.49   | 86.8          | 89.0    | 88.7  | 5.88    | 6.03      | 6.01    | 5.56             | 5.52  | 5.50  | 5 | 4.50 |
|          | 10:12 |                   | Middle         | 3.5   | 25.80             | 25.80 |         | 8.32  | 8.32    |       | 32.49    | 32.49 |         | 89.6          | 89.5    |       | 6.07    | 6.07      |         | 5.49             | 5.43  |       | 4 |      |
| 25/11/15 | 10:36 | Fine              | Middle         | 3.5   | 25.30             | 25.30 | 25.30   | 8.33  | 8.33    | 8.34  | 32.57    | 32.57 | 32.57   | 67.3          | 67.6    | 67.5  | 4.60    | 4.62      | 4.61    | 5.93             | 5.94  | 5.93  | 4 | 4.00 |
|          | 10:38 |                   | Middle         | 3.5   | 25.30             | 25.30 |         | 8.35  | 8.35    |       | 32.57    | 32.57 |         | 67.5          | 67.4    |       | 4.62    | 4.60      |         | 5.94             | 5.91  |       | 4 |      |
| 27/11/15 | 13:39 | Fine              | Middle         | 3.5   | 23.30             | 23.30 | 23.40   | 8.29  | 8.28    | 8.31  | 32.57    | 32.57 | 32.58   | 84.7          | 82.9    | 82.4  | 5.97    | 5.85      | 5.81    | 4.59             | 4.44  | 4.41  | 3 | 3.50 |
|          | 13:41 |                   | Middle         | 3.5   | 23.50             | 23.50 |         | 8.34  | 8.34    |       | 32.59    | 32.59 |         | 81.9          | 80.0    |       | 5.77    | 5.64      |         | 4.30             | 4.30  |       | 4 |      |
| 30/11/15 | 5:47  | Fine              | Middle         | 3.0   | 22.50             | 22.50 | 22.50   | 8.41  | 8.41    | 8.42  | 31.95    | 31.95 | 31.96   | 81.2          | 81.6    | 81.1  | 5.83    | 5.88      | 5.83    | 6.80             | 6.62  | 6.64  | 5 | 4.50 |
|          | 5:48  |                   | Middle         | 3.0   | 22.50             | 22.50 |         | 8.43  | 8.43    |       | 31.96    | 31.96 |         | 80.4          | 81.0    |       | 5.78    | 5.83      |         | 6.68             | 6.45  |       | 4 |      |

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group  
Mid-Ebb Tide**

| Date     | Time | Weather Condition | Sampling Depth |     | Water Temperature |         |       | pH      |       |         | Salinity |         |       | DO Saturation |       |         | DO    |         |       | Turbidity |       |       | Suspended Solids |      |
|----------|------|-------------------|----------------|-----|-------------------|---------|-------|---------|-------|---------|----------|---------|-------|---------------|-------|---------|-------|---------|-------|-----------|-------|-------|------------------|------|
|          |      |                   |                |     | °C                |         | -     |         | ppt   |         | %        |         | mg/L  |               | NTU   |         | mg/L  |         |       |           |       |       |                  |      |
|          |      |                   |                |     | Value             | Average | Value | Average | Value | Average | Value    | Average | Value | Average       | Value | Average | Value | Average | Value | Average   |       |       |                  |      |
| 2/12/15  | 3:18 | Cloudy            | Middle         | 3.5 | 23.30             | 23.30   | 23.30 | 8.39    | 8.39  | 8.40    | 32.53    | 32.53   | 32.53 | 82.5          | 83.0  | 82.6    | 5.84  | 5.88    | 5.85  | 8.40      | 8.52  | 8.42  | 4                | 4.00 |
|          | 3:19 |                   | Middle         | 3.5 | 23.30             | 23.30   |       | 8.41    | 8.41  |         | 32.53    | 32.53   |       | 82.3          | 82.5  |         | 5.82  | 5.84    |       | 8.33      | 8.44  |       | 4                |      |
| 4/12/15  | 6:25 | Cloudy            | Middle         | 3.0 | 21.70             | 21.70   | 21.70 | 8.48    | 8.48  | 8.48    | 32.69    | 32.69   | 32.69 | 77.0          | 78.0  | 77.6    | 5.60  | 5.68    | 5.59  | 3.68      | 3.65  | 3.64  | 3                | 3.50 |
|          | 6:26 |                   | Middle         | 3.0 | 21.70             | 21.70   |       | 8.48    | 8.48  |         | 32.68    | 32.68   |       | 77.8          | 77.4  |         | 5.55  | 5.54    |       | 3.62      | 3.61  |       | 4                |      |
| 7/12/15  | 9:04 | Fine              | Middle         | 3.5 | 21.30             | 21.30   | 21.35 | 8.49    | 8.49  | 8.49    | 33.07    | 33.07   | 33.11 | 84.1          | 82.7  | 82.5    | 6.13  | 6.02    | 6.01  | 8.00      | 7.95  | 7.98  | 7                | 7.50 |
|          | 9:06 |                   | Middle         | 3.5 | 21.40             | 21.40   |       | 8.49    | 8.49  |         | 33.14    | 33.14   |       | 81.9          | 81.1  |         | 5.97  | 5.91    |       | 7.96      | 7.99  |       | 8                |      |
| 9/12/15  | 0:40 | Cloudy            | Middle         | 3.0 | 20.50             | 20.50   | 20.45 | 8.46    | 8.48  | 8.48    | 32.61    | 32.61   | 32.61 | 82.5          | 83.2  | 82.9    | 6.14  | 6.20    | 6.17  | 5.94      | 5.84  | 5.87  | 3                | 2.50 |
|          | 0:41 |                   | Middle         | 3.0 | 20.40             | 20.40   |       | 8.49    | 8.49  |         | 32.61    | 32.61   |       | 83.2          | 82.5  |         | 6.20  | 6.15    |       | 5.99      | 5.72  |       | 2                |      |
| 12/12/15 | 1:12 | Cloudy            | Middle         | 3.0 | 20.90             | 20.90   | 20.90 | 8.43    | 8.43  | 8.44    | 33.03    | 33.03   | 33.03 | 84.5          | 86.0  | 86.0    | 6.22  | 6.33    | 6.33  | 13.48     | 13.33 | 13.35 | 4                | 3.00 |
|          | 1:13 |                   | Middle         | 3.0 | 20.90             | 20.90   |       | 8.44    | 8.44  |         | 33.03    | 33.03   |       | 86.7          | 86.8  |         | 6.38  | 6.40    |       | 13.28     | 13.31 |       | 2                |      |
| 14/12/15 | 1:40 | Cloudy            | Middle         | 3.0 | 21.40             | 21.40   | 21.40 | 8.39    | 8.39  | 8.40    | 32.93    | 32.93   | 32.94 | 80.0          | 80.8  | 80.4    | 5.84  | 5.90    | 5.87  | 4.06      | 4.01  | 4.05  | 3                | 3.50 |
|          | 1:41 |                   | Middle         | 3.0 | 21.40             | 21.40   |       | 8.40    | 8.40  |         | 32.94    | 32.94   |       | 80.6          | 80.2  |         | 5.88  | 5.86    |       | 4.08      | 4.03  |       | 4                |      |
| 16/12/15 | 5:05 | Fine              | Middle         | 3.0 | 18.30             | 18.30   | 18.30 | 8.48    | 8.47  | 8.47    | 32.81    | 32.81   | 32.81 | 82.8          | 82.6  | 82.2    | 6.41  | 6.40    | 6.37  | 10.09     | 10.19 | 10.11 | 4                | 3.50 |
|          | 5:06 |                   | Middle         | 3.0 | 18.30             | 18.30   |       | 8.48    | 8.47  |         | 32.81    | 32.81   |       | 82.0          | 81.4  |         | 6.36  | 6.30    |       | 10.11     | 10.04 |       | 3                |      |
| 18/12/15 | 6:17 | Fine              | Middle         | 3.5 | 16.70             | 16.80   | 16.78 | 8.50    | 8.50  | 8.50    | 33.09    | 33.09   | 33.09 | 83.1          | 83.2  | 83.3    | 6.64  | 6.65    | 6.66  | 9.45      | 9.52  | 9.50  | 5                | 6.00 |
|          | 6:18 |                   | Middle         | 3.5 | 16.80             | 16.80   |       | 8.50    | 8.50  |         | 33.09    | 33.09   |       | 83.5          | 83.2  |         | 6.68  | 6.65    |       | 9.54      | 9.50  |       | 7                |      |
| 21/12/15 | 8:35 | Cloudy            | Middle         | 3.0 | 19.70             | 19.70   | 19.65 | 8.37    | 8.37  | 8.39    | 32.93    | 32.93   | 32.93 | 95.2          | 95.1  | 95.0    | 7.18  | 7.17    | 7.16  | 5.24      | 5.26  | 5.26  | 5                | 4.50 |
|          | 8:37 |                   | Middle         | 3.0 | 19.60             | 19.60   |       | 8.40    | 8.40  |         | 32.93    | 32.93   |       | 95.2          | 94.4  |         | 7.18  | 7.11    |       | 5.27      | 5.26  |       | 4                |      |
| 23/12/15 | 9:47 | Fine              | Middle         | 3.5 | 20.50             | 20.50   | 20.50 | 8.32    | 8.30  | 8.34    | 32.73    | 32.73   | 32.73 | 84.7          | 81.8  | 81.5    | 6.29  | 6.08    | 6.05  | 5.89      | 5.91  | 5.93  | 4                | 5.00 |
|          | 9:49 |                   | Middle         | 3.5 | 20.50             | 20.50   |       | 8.36    | 8.36  |         | 32.72    | 32.72   |       | 80.4          | 79.0  |         | 5.97  | 5.86    |       | 5.94      | 5.98  |       | 6                |      |
| 26/12/15 | 0:21 | Cloudy            | Middle         | 3.0 | 19.20             | 19.20   | 19.20 | 8.37    | 8.37  | 8.38    | 32.55    | 32.55   | 32.55 | 83.8          | 84.1  | 83.9    | 6.38  | 6.40    | 6.39  | 4.14      | 4.23  | 4.24  | 3                | 3.50 |
|          | 0:22 |                   | Middle         | 3.0 | 19.20             | 19.20   |       | 8.38    | 8.38  |         | 32.55    | 32.55   |       | 84.0          | 83.7  |         | 6.40  | 6.37    |       | 4.28      | 4.30  |       | 4                |      |
| 28/12/15 | 1:38 | Cloudy            | Middle         | 3.0 | 18.40             | 18.40   | 18.40 | 8.40    | 8.40  | 8.41    | 31.99    | 31.99   | 31.99 | 83.4          | 84.4  | 84.0    | 6.47  | 6.54    | 6.51  | 3.49      | 3.47  | 3.44  | 4                | 4.00 |
|          | 1:39 |                   | Middle         | 3.0 | 18.40             | 18.40   |       | 8.41    | 8.41  |         | 31.99    | 31.99   |       | 84.0          | 84.0  |         | 6.51  | 6.51    |       | 3.41      | 3.38  |       | 4                |      |
| 30/12/15 | 3:32 | Cloudy            | Middle         | 3.5 | 18.70             | 18.70   | 18.65 | 8.45    | 8.45  | 8.46    | 32.37    | 32.97   | 32.53 | 78.4          | 79.3  | 79.5    | 6.05  | 6.11    | 6.13  | 3.13      | 3.10  | 3.12  | 2                | 3.00 |
|          | 3:33 |                   | Middle         | 3.5 | 18.60             | 18.60   |       | 8.46    | 8.46  |         | 32.38    | 32.38   |       | 79.9          | 80.3  |         | 6.17  | 6.19    |       | 3.15      | 3.08  |       | 4                |      |

Remarks:  
Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at M5B - Central Colling Water Intake Group  
Mid-Ebb Tide**

| Date    | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       | DO Saturation |       | DO      |       | Turbidity |       | Suspended Solids |      |      |      |    |      |
|---------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------------|-------|---------|-------|-----------|-------|------------------|------|------|------|----|------|
|         |       |                   |                |       | °C                |       |         | -     |         |       | ppt      |       | %             |       | mg/L    |       | NTU       |       | mg/L             |      |      |      |    |      |
|         |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average       | Value | Average | Value | Average   | Value | Average          |      |      |      |    |      |
| 2/1/16  | 4:37  | Fine              | Middle         | 3.5   | 19.20             | 19.20 | 19.15   | 8.33  | 8.33    | 8.35  | 32.07    | 32.07 | 32.08         | 84.9  | 82.3    | 82.6  | 6.49      | 6.29  | 6.31             | 5.82 | 5.78 | 5.79 | 2  | 2.00 |
|         | 4:39  |                   | Middle         | 3.5   | 19.10             | 19.10 |         | 8.37  | 8.37    |       | 32.09    | 32.09 |               | 81.5  | 81.6    |       | 6.23      | 6.24  |                  | 5.78 | 5.77 |      |    |      |
| 4/1/16  | 21:54 | Cloudy            | Middle         | 3.5   | 20.40             | 20.40 | 20.45   | 8.38  | 8.38    | 8.39  | 32.07    | 32.07 | 32.07         | 81.0  | 82.3    | 81.9  | 6.04      | 6.13  | 6.10             | 2.88 | 2.87 | 2.82 | 3  | 3.50 |
|         | 21:55 |                   | Middle         | 3.5   | 20.50             | 20.50 |         | 8.40  | 8.40    |       | 32.06    | 32.06 |               | 82.0  | 82.2    |       | 6.11      | 6.13  |                  | 2.84 | 2.68 |      | 4  |      |
| 6/1/16  | 23:01 | Fine              | Middle         | 3.5   | 20.60             | 20.60 | 20.65   | 8.38  | 8.38    | 8.39  | 31.69    | 31.69 | 31.69         | 80.8  | 81.5    | 81.2  | 6.03      | 6.08  | 6.05             | 1.40 | 1.35 | 1.41 | 3  | 3.00 |
|         | 23:02 |                   | Middle         | 3.5   | 20.70             | 20.70 |         | 8.40  | 8.40    |       | 31.69    | 31.70 |               | 81.4  | 81.0    |       | 6.07      | 6.03  |                  | 1.42 | 1.48 |      | 3  |      |
| 8/1/16  | 0:11  | Cloudy            | Middle         | 3.5   | 18.90             | 18.90 | 18.90   | 8.35  | 8.35    | 8.36  | 31.42    | 31.42 | 31.42         | 80.5  | 82.0    | 82.8  | 6.18      | 6.34  | 6.37             | 2.05 | 2.17 | 2.22 | 3  | 3.00 |
|         | 0:12  |                   | Middle         | 3.5   | 18.90             | 18.90 |         | 8.37  | 8.37    |       | 31.42    | 31.42 |               | 85.3  | 83.2    |       | 6.56      | 6.41  |                  | 2.37 | 2.30 |      | 3  |      |
| 11/1/16 | 1:20  | Cloudy            | Middle         | 3.5   | 18.60             | 18.60 | 18.60   | 8.27  | 8.27    | 8.28  | 30.42    | 30.42 | 30.42         | 85.1  | 84.6    | 84.6  | 6.64      | 6.60  | 6.60             | 2.65 | 2.67 | 2.62 | 2  | 2.00 |
|         | 1:21  |                   | Middle         | 3.5   | 18.60             | 18.60 |         | 8.29  | 8.29    |       | 30.42    | 30.42 |               | 85.0  | 83.7    |       | 6.63      | 6.53  |                  | 2.63 | 2.52 |      | <2 |      |
| 13/1/16 | 14:43 | Fine              | Middle         | 3.5   | 19.70             | 19.70 | 19.70   | 8.41  | 8.41    | 8.43  | 31.12    | 31.12 | 31.23         | 91.5  | 90.6    | 90.7  | 6.95      | 6.88  | 6.89             | 5.62 | 5.57 | 5.57 | <2 | <2   |
|         | 14:45 |                   | Middle         | 3.5   | 19.70             | 19.70 |         | 8.44  | 8.44    |       | 31.34    | 31.34 |               | 90.6  | 90.0    |       | 6.88      | 6.84  |                  | 5.45 | 5.62 |      | <2 |      |
| 15/1/16 | 17:28 | Rainy             | Middle         | 3.5   | 17.80             | 17.80 | 17.80   | 8.42  | 8.42    | 8.43  | 30.39    | 30.39 | 30.40         | 88.3  | 86.0    | 85.1  | 6.79      | 6.79  | 6.69             | 7.27 | 7.24 | 7.24 | 3  | 3.50 |
|         | 17:30 |                   | Middle         | 3.5   | 17.80             | 17.80 |         | 8.43  | 8.43    |       | 30.40    | 30.40 |               | 83.4  | 82.6    |       | 6.64      | 6.54  |                  | 7.22 | 7.21 |      | 4  |      |
| 18/1/16 | 19:55 | Cloudy            | Middle         | 3.5   | 17.70             | 17.70 | 17.60   | 8.51  | 8.51    | 8.52  | 31.15    | 31.15 | 31.15         | 83.0  | 83.1    | 83.3  | 6.57      | 6.60  | 6.61             | 1.41 | 1.43 | 1.41 | <2 | 2.00 |
|         | 19:56 |                   | Middle         | 3.5   | 17.50             | 17.50 |         | 8.52  | 8.52    |       | 31.15    | 31.15 |               | 83.5  | 83.7    |       | 6.63      | 6.65  |                  | 1.40 | 1.40 |      | 2  |      |
| 20/1/16 | 20:22 | Cloudy            | Middle         | 3.5   | 17.10             | 17.10 | 17.05   | 8.54  | 8.54    | 8.56  | 31.59    | 31.59 | 31.59         | 87.1  | 87.5    | 87.1  | 6.95      | 6.99  | 6.96             | 3.12 | 3.15 | 3.15 | 4  | 3.50 |
|         | 20:23 |                   | Middle         | 3.5   | 17.00             | 17.00 |         | 8.57  | 8.57    |       | 31.59    | 31.59 |               | 87.2  | 86.6    |       | 6.97      | 6.91  |                  | 3.14 | 3.19 |      | 3  |      |
| 22/1/16 | 2:31  | Cloudy            | Middle         | 3.0   | 14.70             | 14.70 | 14.75   | 8.54  | 8.54    | 8.55  | 31.33    | 31.33 | 31.35         | 84.5  | 84.8    | 84.7  | 7.07      | 7.09  | 7.09             | 2.12 | 2.14 | 2.11 | <2 | <2   |
|         | 2:32  |                   | Middle         | 3.0   | 14.80             | 14.80 |         | 8.56  | 8.56    |       | 31.40    | 31.34 |               | 85.0  | 84.6    |       | 7.10      | 7.08  |                  | 2.10 | 2.06 |      | <2 |      |
| 25/1/16 | 0:38  | Fine              | Middle         | 3.0   | 10.40             | 10.40 | 10.20   | 8.26  | 8.26    | 8.30  | 30.69    | 30.69 | 30.69         | 83.6  | 83.6    | 83.4  | 7.73      | 7.74  | 7.72             | 2.75 | 2.72 | 2.80 | 4  | 3.50 |
|         | 0:39  |                   | Middle         | 3.0   | 10.00             | 10.00 |         | 8.34  | 8.34    |       | 30.69    | 30.69 |               | 83.1  | 83.2    |       | 7.70      | 7.72  |                  | 2.82 | 2.90 |      | 3  |      |
| 27/1/16 | 1:37  | Cloudy            | Middle         | 3.0   | 14.40             | 14.40 | 14.25   | 8.26  | 8.26    | 8.31  | 31.05    | 31.05 | 31.07         | 83.0  | 83.2    | 83.3  | 7.02      | 7.03  | 7.04             | 2.76 | 2.74 | 2.73 | 4  | 4.00 |
|         | 1:38  |                   | Middle         | 3.0   | 14.10             | 14.10 |         | 8.36  | 8.36    |       | 31.09    | 31.09 |               | 83.4  | 83.4    |       | 7.06      | 7.06  |                  | 2.71 | 2.69 |      | 4  |      |
| 29/1/16 | 4:55  | Cloudy            | Middle         | 3.0   | 16.50             | 16.50 | 16.50   | 8.47  | 8.47    | 8.49  | 29.91    | 29.91 | 29.91         | 84.8  | 85.1    | 84.9  | 6.92      | 6.94  | 6.93             | 3.68 | 3.66 | 3.69 | 2  | 2.50 |
|         | 4:56  |                   | Middle         | 3.0   | 16.50             | 16.50 |         | 8.50  | 8.50    |       | 29.91    | 29.91 |               | 84.9  | 84.9    |       | 6.92      | 6.92  |                  | 3.70 | 3.72 |      | 3  |      |

Single underline denotes exceedance over Action Level.  
Double underline denotes exceedance over Limit Level.



**Water Monitoring Result at Culvert J - Reference Station  
Mid-Flood Tide**

| Date     | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       |         | DO Saturation |         |       | DO      |       |         | Turbidity |         |       | Suspended Solids |       |
|----------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------|---------------|---------|-------|---------|-------|---------|-----------|---------|-------|------------------|-------|
|          |       |                   |                |       | °C                |       | -       |       | ppt     |       | %        |       | mg/L    |               | NTU     |       | mg/L    |       |         |           |         |       |                  |       |
|          |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average | Value         | Average | Value | Average | Value | Average | Value     | Average | Value | Average          |       |
| 2/11/15  | 10:25 | Fine              | Middle         | 3.0   | 25.60             | 25.60 | 25.55   | 8.36  | 8.36    | 8.32  | 25.06    | 25.06 | 25.05   | 64.0          | 64.9    | 64.1  | 4.54    | 4.61  | 4.55    | 17.41     | 17.29   | 17.29 | 9                | 10.00 |
|          | 10:27 |                   | Middle         | 3.0   | 25.50             | 25.50 |         | 8.27  | 8.27    |       | 25.00    | 25.06 |         | 64.7          | 62.7    |       | 64.1    | 4.60  |         | 4.46      | 17.27   |       | 17.18            |       |
| 4/11/15  | 14:06 | Fine              | Middle         | 3.5   | 26.80             | 26.80 | 26.75   | 8.36  | 8.36    | 8.37  | 32.39    | 32.39 | 32.40   | 71.6          | 32.8    | 62.9  | 4.79    | 4.87  | 4.88    | 9.77      | 9.78    | 9.74  | 6                | 6.00  |
|          | 14:08 |                   | Middle         | 3.5   | 26.70             | 26.70 |         | 8.38  | 8.38    |       | 32.40    | 32.40 |         | 73.7          | 73.5    |       | 62.9    | 4.93  |         | 4.92      | 9.78    |       | 9.61             |       |
| 6/11/15  | 14:45 | Fine              | Middle         | 3.5   | 25.80             | 25.80 | 25.80   | 8.34  | 8.34    | 8.35  | 31.67    | 31.67 | 31.69   | 67.7          | 64.8    | 64.7  | 4.61    | 4.41  | 4.40    | 10.55     | 10.51   | 10.48 | 5                | 5.50  |
|          | 14:47 |                   | Middle         | 3.5   | 25.80             | 25.80 |         | 8.35  | 8.35    |       | 31.71    | 31.71 |         | 63.6          | 62.6    |       | 64.7    | 4.33  |         | 4.26      | 10.44   |       | 10.40            |       |
| 9/11/15  | 15:31 | Fine              | Middle         | 3.5   | 27.40             | 27.40 | 27.45   | 8.29  | 8.29    | 8.29  | 32.18    | 32.18 | 31.66   | 58.3          | 58.2    | 58.2  | 3.88    | 3.86  | 3.86    | 9.17      | 9.14    | 9.14  | 6                | 6.00  |
|          | 15:33 |                   | Middle         | 3.5   | 27.50             | 27.50 |         | 8.29  | 8.29    |       | 31.13    | 31.13 |         | 58.3          | 57.8    |       | 58.2    | 3.87  |         | 3.84      | 9.12    |       | 9.12             |       |
| 11/11/15 | 15:45 | Fine              | Middle         | 3.0   | 25.70             | 25.70 | 25.70   | 8.39  | 8.39    | 8.39  | 32.55    | 32.55 | 32.56   | 83.5          | 84.5    | 84.0  | 5.67    | 5.75  | 5.71    | 8.61      | 8.66    | 8.69  | 6                | 5.00  |
|          | 15:47 |                   | Middle         | 3.0   | 25.70             | 25.70 |         | 8.39  | 8.39    |       | 32.56    | 32.56 |         | 84.0          | 84.0    |       | 84.0    | 5.70  |         | 5.70      | 8.68    |       | 8.80             |       |
| 13/11/15 | 20:48 | Cloudy            | Middle         | 3.0   | 24.80             | 24.80 | 24.85   | 8.41  | 8.41    | 8.41  | 31.05    | 31.05 | 31.06   | 63.9          | 64.8    | 64.3  | 4.44    | 4.51  | 4.47    | 9.99      | 9.64    | 9.58  | 8                | 7.50  |
|          | 20:49 |                   | Middle         | 3.0   | 24.90             | 24.90 |         | 8.40  | 8.40    |       | 31.06    | 31.06 |         | 64.4          | 64.0    |       | 64.3    | 4.48  |         | 4.45      | 9.38    |       | 9.32             |       |
| 17/11/15 | 10:20 | Fine              | Middle         | 3.0   | 26.60             | 26.60 | 26.65   | 8.29  | 8.29    | 8.30  | 32.07    | 32.07 | 32.07   | 83.1          | 83.2    | 83.0  | 5.57    | 5.58  | 5.56    | 7.91      | 7.78    | 7.83  | 6                | 5.50  |
|          | 10:22 |                   | Middle         | 3.0   | 26.70             | 26.70 |         | 8.30  | 8.30    |       | 32.07    | 32.07 |         | 82.3          | 83.4    |       | 83.0    | 5.51  |         | 5.59      | 7.80    |       | 7.83             |       |
| 19/11/15 | 11:01 | Fine              | Middle         | 3.5   | 26.50             | 26.50 | 26.55   | 8.28  | 8.28    | 8.28  | 30.02    | 30.02 | 30.02   | 66.5          | 66.5    | 66.3  | 4.51    | 4.51  | 4.50    | 11.77     | 11.82   | 11.80 | 11               | 11.50 |
|          | 11:03 |                   | Middle         | 3.5   | 26.60             | 26.60 |         | 8.28  | 8.28    |       | 30.02    | 30.02 |         | 66.1          | 66.0    |       | 66.3    | 4.49  |         | 4.48      | 11.89   |       | 11.71            |       |
| 21/11/15 | 14:34 | Fine              | Middle         | 3.5   | 25.70             | 25.70 | 25.75   | 8.29  | 8.29    | 8.29  | 30.49    | 30.49 | 30.47   | 69.9          | 70.7    | 70.0  | 4.80    | 4.86  | 4.81    | 9.32      | 9.32    | 9.37  | 8                | 7.00  |
|          | 14:36 |                   | Middle         | 3.5   | 25.80             | 25.80 |         | 8.29  | 8.29    |       | 30.44    | 30.44 |         | 69.6          | 69.7    |       | 70.0    | 4.78  |         | 4.79      | 9.35    |       | 9.47             |       |
| 23/11/15 | 15:00 | Fine              | Middle         | 3.0   | 26.60             | 26.60 | 26.75   | 8.30  | 8.30    | 8.31  | 31.84    | 31.84 | 31.83   | 88.4          | 88.8    | 87.8  | 5.92    | 5.94  | 5.87    | 8.83      | 8.76    | 8.80  | 6                | 6.50  |
|          | 15:02 |                   | Middle         | 3.0   | 26.90             | 26.90 |         | 8.32  | 8.32    |       | 31.82    | 31.82 |         | 87.5          | 86.3    |       | 87.8    | 5.85  |         | 5.77      | 8.80    |       | 8.81             |       |
| 25/11/15 | 15:17 | Fine              | Middle         | 3.5   | 25.60             | 25.60 | 25.65   | 8.32  | 8.32    | 8.33  | 31.58    | 31.58 | 31.55   | 75.8          | 74.3    | 73.0  | 5.18    | 5.08  | 4.99    | 6.43      | 6.42    | 6.45  | 5                | 6.00  |
|          | 15:19 |                   | Middle         | 3.5   | 25.70             | 25.70 |         | 8.34  | 8.34    |       | 31.51    | 31.51 |         | 71.2          | 70.5    |       | 73.0    | 4.86  |         | 4.82      | 6.43    |       | 6.53             |       |
| 27/11/15 | 19:28 | Fine              | Middle         | 3.0   | 22.60             | 22.60 | 22.45   | 8.44  | 8.44    | 8.44  | 32.07    | 32.09 | 32.09   | 75.5          | 76.0    | 75.7  | 5.46    | 4.49  | 5.22    | 7.72      | 7.69    | 7.77  | 7                | 6.50  |
|          | 19:29 |                   | Middle         | 3.0   | 22.30             | 22.30 |         | 8.44  | 8.44    |       | 32.09    | 32.09 |         | 75.6          | 75.5    |       | 75.7    | 5.47  |         | 5.46      | 7.86    |       | 7.82             |       |
| 30/11/15 | 10:30 | Fine              | Middle         | 3.0   | 23.90             | 23.90 | 23.90   | 8.33  | 8.33    | 8.34  | 31.07    | 31.07 | 31.08   | 78.7          | 79.3    | 78.6  | 5.56    | 5.60  | 5.55    | 11.16     | 11.21   | 11.23 | 9                | 8.00  |
|          | 10:32 |                   | Middle         | 3.0   | 23.90             | 23.90 |         | 8.34  | 8.34    |       | 31.08    | 31.08 |         | 78.2          | 78.0    |       | 78.6    | 5.52  |         | 5.51      | 11.27   |       | 11.29            |       |



**Water Monitoring Result at Culvert J - Reference Station  
Mid-Flood Tide**

| Date     | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       |         | DO Saturation |         |       | DO      |       | Turbidity |       |         | Suspended Solids |    |       |
|----------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------|---------------|---------|-------|---------|-------|-----------|-------|---------|------------------|----|-------|
|          |       |                   |                |       | °C                |       | -       |       | ppt     |       | %        |       | mg/L    |               | NTU     |       | mg/L    |       |           |       |         |                  |    |       |
|          |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average | Value         | Average | Value | Average | Value | Average   | Value | Average |                  |    |       |
| 2/12/15  | 14:56 | Fine              | Middle         | 3.5   | 24.60             | 24.60 | 24.65   | 8.28  | 8.28    | 8.28  | 30.10    | 30.10 | 30.09   | 62.6          | 61.6    | 61.2  | 4.39    | 4.32  | 4.29      | 9.56  | 9.56    | 9.47             | 6  | 6.00  |
|          | 14:58 |                   | Middle         | 3.5   | 24.70             | 24.70 |         | 8.28  | 8.28    |       | 30.08    | 30.08 |         | 60.6          | 59.8    |       | 4.25    | 4.19  |           | 9.41  | 9.33    |                  | 6  |       |
| 4/12/15  | 13:31 | Fine              | Middle         | 3.5   | 22.70             | 22.70 | 22.70   | 8.35  | 8.35    | 8.35  | 30.66    | 30.66 | 30.66   | 66.0          | 65.3    | 65.3  | 4.76    | 4.71  | 4.71      | 11.03 | 11.04   | 10.98            | 7  | 6.50  |
|          | 13:33 |                   | Middle         | 3.5   | 22.70             | 22.70 |         | 8.35  | 8.35    |       | 30.66    | 30.66 |         | 65.2          | 64.7    |       | 4.71    | 4.67  |           | 11.02 | 10.84   |                  | 6  |       |
| 7/12/15  | 14:24 | Fine              | Middle         | 3.5   | 22.00             | 22.00 | 22.00   | 8.41  | 8.41    | 8.42  | 31.03    | 31.03 | 31.03   | 73.1          | 72.0    | 71.6  | 5.33    | 5.26  | 5.22      | 8.00  | 8.04    | 8.04             | 7  | 6.00  |
|          | 14:26 |                   | Middle         | 3.5   | 22.00             | 22.00 |         | 8.42  | 8.42    |       | 31.03    | 31.03 |         | 71.4          | 70.0    |       | 5.21    | 5.09  |           | 8.05  | 8.06    |                  | 5  |       |
| 9/12/15  | 15:29 | Rainy             | Middle         | 3.5   | 21.00             | 21.00 | 20.95   | 8.46  | 8.46    | 8.47  | 27.95    | 27.95 | 27.97   | 74.4          | 73.5    | 73.4  | 5.64    | 5.57  | 5.57      | 10.45 | 10.45   | 10.47            | 11 | 11.00 |
|          | 15:30 |                   | Middle         | 3.5   | 20.90             | 20.90 |         | 8.47  | 8.47    |       | 27.98    | 27.98 |         | 73.0          | 72.6    |       | 5.54    | 5.51  |           | 10.48 | 10.50   |                  | 11 |       |
| 11/12/15 | 16:03 | Fine              | Middle         | 3.5   | 22.20             | 22.20 | 22.20   | 8.27  | 8.27    | 8.31  | 32.78    | 30.78 | 32.34   | 66.6          | 66.4    | 65.1  | 4.85    | 4.84  | 4.75      | 9.05  | 8.83    | 8.91             | 2  | 2.50  |
|          | 16:05 |                   | Middle         | 3.5   | 22.20             | 22.20 |         | 8.34  | 8.34    |       | 32.90    | 32.90 |         | 64.3          | 63.2    |       | 4.69    | 4.60  |           | 8.86  | 8.90    |                  | 3  |       |
| 14/12/15 | 8:40  | Cloudy            | Middle         | 3.0   | 21.70             | 21.70 | 21.70   | 8.34  | 8.34    | 8.36  | 31.95    | 31.95 | 31.96   | 90.5          | 89.7    | 89.2  | 6.61    | 6.55  | 6.51      | 9.24  | 9.30    | 9.29             | 8  | 8.50  |
|          | 8:42  |                   | Middle         | 3.0   | 21.70             | 21.70 |         | 8.37  | 8.37    |       | 31.96    | 31.96 |         | 88.0          | 88.4    |       | 6.43    | 6.46  |           | 9.31  | 9.31    |                  | 9  |       |
| 16/12/15 | 10:02 | Fine              | Middle         | 3.5   | 19.20             | 19.20 | 19.20   | 8.41  | 8.41    | 8.42  | 31.71    | 31.71 | 31.75   | 76.0          | 73.4    | 72.9  | 5.82    | 5.62  | 5.58      | 9.08  | 9.07    | 9.07             | 8  | 9.00  |
|          | 10:04 |                   | Middle         | 3.5   | 19.20             | 19.20 |         | 8.42  | 8.42    |       | 31.78    | 31.78 |         | 71.6          | 70.5    |       | 5.49    | 5.40  |           | 9.06  | 9.06    |                  | 10 |       |
| 18/12/15 | 10:06 | Fine              | Middle         | 3.5   | 18.20             | 18.20 | 18.10   | 8.29  | 8.29    | 8.31  | 31.22    | 31.22 | 31.33   | 73.0          | 75.9    | 74.8  | 5.73    | 5.94  | 5.87      | 8.81  | 8.81    | 8.81             | 8  | 9.00  |
|          | 10:08 |                   | Middle         | 3.5   | 18.00             | 18.00 |         | 8.32  | 8.32    |       | 31.44    | 31.44 |         | 76.2          | 74.2    |       | 5.97    | 5.82  |           | 8.81  | 8.82    |                  | 10 |       |
| 21/12/15 | 16:01 | Fine              | Middle         | 3.5   | 20.40             | 20.40 | 20.50   | 8.30  | 8.30    | 8.31  | 31.12    | 31.12 | 31.11   | 78.2          | 78.2    | 78.0  | 5.87    | 5.87  | 5.85      | 8.95  | 8.98    | 8.77             | 4  | 4.00  |
|          | 16:03 |                   | Middle         | 3.5   | 20.60             | 20.60 |         | 8.31  | 8.31    |       | 31.10    | 31.10 |         | 78.5          | 77.1    |       | 5.89    | 5.78  |           | 8.55  | 8.61    |                  | 4  |       |
| 23/12/15 | 16:15 | Cloudy            | Middle         | 3.5   | 21.00             | 21.00 | 21.05   | 8.23  | 8.23    | 8.23  | 31.94    | 31.94 | 31.93   | 84.3          | 84.4    | 84.0  | 6.27    | 6.24  | 6.22      | 7.49  | 7.48    | 7.49             | 6  | 7.00  |
|          | 16:17 |                   | Middle         | 3.5   | 21.10             | 21.10 |         | 8.22  | 8.22    |       | 31.92    | 31.92 |         | 84.1          | 83.3    |       | 6.21    | 6.15  |           | 7.48  | 7.51    |                  | 8  |       |
| 26/12/15 | 5:30  | Cloudy            | Middle         | 2.5   | 19.20             | 19.20 | 19.20   | 8.46  | 8.45    | 8.44  | 30.27    | 30.27 | 30.27   | 66.0          | 66.7    | 66.9  | 5.09    | 5.15  | 5.16      | 5.15  | 5.10    | 5.11             | 6  | 6.50  |
|          | 5:31  |                   | Middle         | 2.5   | 19.20             | 19.20 |         | 8.43  | 8.43    |       | 30.27    | 30.27 |         | 67.4          | 67.5    |       | 5.20    | 5.21  |           | 5.08  | 5.10    |                  | 7  |       |
| 28/12/15 | 8:50  | Fine              | Middle         | 3.5   | 18.90             | 18.90 | 18.90   | 8.32  | 8.32    | 8.33  | 31.65    | 31.65 | 31.66   | 82.6          | 83.4    | 82.4  | 6.35    | 6.42  | 6.34      | 7.99  | 7.99    | 8.01             | 6  | 5.50  |
|          | 8:52  |                   | Middle         | 3.5   | 18.90             | 18.90 |         | 8.34  | 8.34    |       | 31.66    | 31.66 |         | 82.9          | 80.8    |       | 6.38    | 6.21  |           | 8.02  | 8.02    |                  | 5  |       |
| 30/12/15 | 8:17  | Fine              | Middle         | 3.5   | 18.60             | 18.60 | 18.60   | 8.30  | 8.30    | 8.31  | 32.62    | 32.62 | 32.14   | 81.0          | 80.7    | 80.4  | 6.28    | 6.25  | 6.23      | 8.15  | 8.14    | 8.14             | 6  | 5.00  |
|          | 8:19  |                   | Middle         | 3.5   | 18.60             | 18.60 |         | 8.32  | 8.32    |       | 31.65    | 31.65 |         | 80.2          | 79.7    |       | 6.21    | 6.18  |           | 8.14  | 8.14    |                  | 4  |       |





**Water Monitoring Result at Culvert J - Reference Station  
Mid-Flood Tide**

| Date    | Time  | Weather Condition | Sampling Depth |       | Water Temperature |       |         | pH    |         |       | Salinity |       |         | DO Saturation |         |       | DO      |       | Turbidity |       |         | Suspended Solids |   |      |
|---------|-------|-------------------|----------------|-------|-------------------|-------|---------|-------|---------|-------|----------|-------|---------|---------------|---------|-------|---------|-------|-----------|-------|---------|------------------|---|------|
|         |       |                   |                |       | °C                |       | -       |       | ppt     |       | %        |       | mg/L    |               | NTU     |       | mg/L    |       |           |       |         |                  |   |      |
|         |       |                   | m              | Value | Average           | Value | Average | Value | Average | Value | Average  | Value | Average | Value         | Average | Value | Average | Value | Average   | Value | Average |                  |   |      |
| 2/1/16  | 9:14  | Fine              | Middle         | 3.5   | 19.50             | 19.50 | 19.50   | 8.36  | 8.36    | 8.37  | 31.53    | 31.53 | 31.53   | 81.6          | 81.4    | 80.3  | 6.22    | 6.20  | 6.12      | 6.11  | 6.13    | 6.21             | 3 | 3.00 |
|         | 9:16  |                   | Middle         | 3.5   | 19.50             | 19.50 |         | 8.37  | 8.37    |       | 31.53    | 31.53 |         | 80.2          | 77.9    |       | 6.11    | 5.93  |           | 6.29  | 6.29    |                  | 3 |      |
| 4/1/16  | 13:41 | Fine              | Middle         | 3.5   | 21.40             | 21.40 | 21.45   | 8.22  | 8.22    | 8.23  | 29.61    | 29.61 | 29.60   | 73.9          | 73.1    | 73.8  | 5.49    | 5.44  | 5.48      | 8.29  | 8.29    | 8.28             | 4 | 4.50 |
|         | 13:43 |                   | Middle         | 3.5   | 21.50             | 21.50 |         | 8.23  | 8.23    |       | 29.58    | 29.58 |         | 73.8          | 74.2    |       | 5.48    | 5.52  |           | 8.26  | 8.26    |                  | 5 |      |
| 6/1/16  | 14:50 | Fine              | Middle         | 3.0   | 22.40             | 22.40 | 22.55   | 8.19  | 8.19    | 8.21  | 28.53    | 28.53 | 28.52   | 90.3          | 88.2    | 88.1  | 6.62    | 6.46  | 6.46      | 9.43  | 9.43    | 9.43             | 7 | 6.50 |
|         | 14:52 |                   | Middle         | 3.0   | 22.70             | 22.70 |         | 8.23  | 8.23    |       | 28.51    | 28.51 |         | 88.2          | 85.8    |       | 6.46    | 6.28  |           | 9.44  | 9.41    |                  | 6 |      |
| 8/1/16  | 14:45 | Fine              | Middle         | 3.0   | 20.70             | 20.70 | 20.70   | 8.22  | 8.22    | 8.26  | 29.18    | 29.18 | 29.18   | 91.3          | 91.4    | 90.7  | 6.88    | 6.89  | 6.84      | 9.06  | 9.06    | 9.07             | 2 | 2.50 |
|         | 14:47 |                   | Middle         | 3.0   | 20.70             | 20.70 |         | 8.29  | 8.29    |       | 29.17    | 29.17 |         | 90.4          | 89.7    |       | 6.80    | 6.78  |           | 9.07  | 9.08    |                  | 3 |      |
| 11/1/16 | 8:13  | Rainy             | Middle         | 3.5   | 18.90             | 18.90 | 18.90   | 8.36  | 8.36    | 8.38  | 30.85    | 30.85 | 30.86   | 88.0          | 88.3    | 87.9  | 6.81    | 6.83  | 6.80      | 8.29  | 8.29    | 8.30             | 3 | 3.50 |
|         | 8:15  |                   | Middle         | 3.5   | 18.90             | 18.90 |         | 8.40  | 8.40    |       | 30.87    | 30.87 |         | 88.4          | 86.8    |       | 6.83    | 6.72  |           | 8.29  | 8.32    |                  | 4 |      |
| 13/1/16 | 9:14  | Fine              | Middle         | 3.5   | 18.50             | 18.50 | 18.45   | 8.36  | 8.36    | 8.37  | 28.73    | 28.73 | 28.75   | 76.5          | 75.0    | 74.5  | 6.04    | 5.92  | 5.88      | 9.66  | 9.66    | 9.66             | 6 | 6.00 |
|         | 9:16  |                   | Middle         | 3.5   | 18.40             | 18.40 |         | 8.38  | 8.38    |       | 28.77    | 28.77 |         | 74.0          | 72.6    |       | 5.84    | 5.73  |           | 9.66  | 9.66    |                  | 6 |      |
| 15/1/16 | 10:35 | Rainy             | Middle         | 3.5   | 17.80             | 17.80 | 17.80   | 8.34  | 8.34    | 8.36  | 28.56    | 28.56 | 28.57   | 83.5          | 82.7    | 82.6  | 6.69    | 6.67  | 6.61      | 9.69  | 9.69    | 9.69             | 5 | 5.50 |
|         | 10:37 |                   | Middle         | 3.5   | 17.80             | 17.80 |         | 8.37  | 8.37    |       | 28.57    | 28.57 |         | 82.9          | 81.4    |       | 6.56    | 6.52  |           | 9.69  | 9.68    |                  | 6 |      |
| 18/1/16 | 10:58 | Fine              | Middle         | 3.5   | 18.10             | 18.10 | 18.10   | 8.35  | 8.35    | 8.39  | 29.67    | 29.67 | 29.67   | 94.9          | 94.0    | 93.8  | 7.50    | 7.43  | 7.42      | 8.94  | 8.96    | 8.96             | 3 | 3.00 |
|         | 11:00 |                   | Middle         | 3.5   | 18.10             | 18.10 |         | 8.42  | 8.42    |       | 29.67    | 29.67 |         | 93.5          | 92.9    |       | 7.39    | 7.35  |           | 8.97  | 8.97    |                  | 3 |      |
| 20/1/16 | 15:03 | Cloudy            | Middle         | 3.5   | 17.70             | 17.70 | 17.65   | 8.49  | 8.49    | 8.50  | 31.10    | 31.10 | 31.10   | 80.9          | 90.3    | 87.3  | 7.19    | 7.30  | 7.14      | 7.00  | 7.00    | 7.00             | 3 | 3.00 |
|         | 15:05 |                   | Middle         | 3.5   | 17.60             | 17.60 |         | 8.50  | 8.50    |       | 31.10    | 31.10 |         | 89.1          | 88.9    |       | 7.05    | 7.03  |           | 7.00  | 6.99    |                  | 3 |      |
| 22/1/16 | 15:35 | Rainy             | Middle         | 3.5   | 17.40             | 17.40 | 17.40   | 8.39  | 8.39    | 8.41  | 27.28    | 27.28 | 27.29   | 83.2          | 82.2    | 81.7  | 6.77    | 6.69  | 6.65      | 10.59 | 10.51   | 10.51            | 6 | 6.00 |
|         | 15:37 |                   | Middle         | 3.5   | 17.40             | 17.40 |         | 8.43  | 8.43    |       | 27.29    | 27.29 |         | 81.0          | 80.2    |       | 6.60    | 6.53  |           | 10.49 | 10.46   |                  | 6 |      |
| 25/1/16 | 8:00  | Fine              | Middle         | 3.5   | 13.30             | 13.30 | 13.15   | 8.30  | 8.30    | 8.34  | 30.95    | 30.94 | 31.01   | 88.4          | 86.9    | 87.0  | 7.65    | 7.52  | 7.53      | 10.17 | 10.18   | 10.17            | 5 | 5.00 |
|         | 8:05  |                   | Middle         | 3.5   | 13.00             | 13.00 |         | 8.38  | 8.38    |       | 31.08    | 31.08 |         | 86.3          | 86.2    |       | 7.47    | 7.47  |           | 10.18 | 10.15   |                  | 5 |      |
| 27/1/16 | 8:45  | Cloudy            | Middle         | 3.5   | 15.10             | 15.10 | 15.00   | 8.31  | 8.31    | 8.34  | 29.94    | 29.94 | 29.95   | 93.6          | 93.7    | 93.1  | 7.86    | 7.86  | 7.82      | 9.78  | 9.77    | 9.78             | 7 | 6.00 |
|         | 8:47  |                   | Middle         | 3.5   | 14.90             | 14.90 |         | 8.38  | 8.35    |       | 29.96    | 29.96 |         | 92.7          | 92.4    |       | 7.79    | 7.76  |           | 9.77  | 9.78    |                  | 5 |      |
| 29/1/16 | 10:05 | Rainy             | Middle         | 3.5   | 17.00             | 17.00 | 17.05   | 8.31  | 8.31    | 8.35  | 25.96    | 25.96 | 25.96   | 97.3          | 96.7    | 96.4  | 8.03    | 7.98  | 7.96      | 15.37 | 15.33   | 15.31            | 8 | 8.00 |
|         | 10:07 |                   | Middle         | 3.5   | 17.10             | 17.10 |         | 8.39  | 8.39    |       | 25.95    | 25.96 |         | 96.3          | 95.3    |       | 7.95    | 7.89  |           | 15.30 | 15.23   |                  | 8 |      |



**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

| Date     | Time  | Weather Condition | Sampling Depth |   | Water Temperature |         |       | pH      |       |         | Salinity |         | DO Saturation |         | DO    |         | Turbidity |         | Suspended Solids |         |       |       |    |       |
|----------|-------|-------------------|----------------|---|-------------------|---------|-------|---------|-------|---------|----------|---------|---------------|---------|-------|---------|-----------|---------|------------------|---------|-------|-------|----|-------|
|          |       |                   |                |   | °C                |         | -     |         | ppt   |         | %        |         | mg/L          |         | NTU   |         | mg/L      |         |                  |         |       |       |    |       |
|          |       |                   |                |   | Value             | Average | Value | Average | Value | Average | Value    | Average | Value         | Average | Value | Average | Value     | Average | Value            | Average |       |       |    |       |
| 2/11/15  | 7:01  | Cloudy            | Middle         | 3 | 23.40             | 23.40   | 23.35 | 8.27    | 8.26  | 8.23    | 29.07    | 29.07   | 29.07         | 23.5    | 24.4  | 24.6    | 1.69      | 1.76    | 1.78             | 9.99    | 9.69  | 9.62  | 9  | 8.50  |
|          | 7:02  |                   | Middle         | 3 | 23.30             | 23.30   |       | 8.20    | 8.20  |         | 29.07    | 29.07   |               | 24.9    | 25.6  |         | 1.80      | 1.85    |                  | 9.41    | 9.39  |       | 8  |       |
| 4/11/15  | 7:10  | Cloudy            | Middle         | 3 | 25.00             | 25.00   | 25.00 | 8.41    | 8.41  | 8.39    | 28.90    | 28.90   | 28.90         | 45.4    | 47.0  | 46.1    | 3.19      | 3.29    | 3.24             | 6.10    | 6.08  | 6.06  | 5  | 5.00  |
|          | 7:11  |                   | Middle         | 3 | 25.00             | 25.00   |       | 8.36    | 8.36  |         | 28.90    | 28.90   |               | 46.4    | 45.6  |         | 3.26      | 3.21    |                  | 6.04    | 6.01  |       | 5  |       |
| 6/11/15  | 8:27  | Fine              | Middle         | 4 | 25.80             | 25.80   | 25.80 | 8.40    | 8.40  | 8.35    | 28.13    | 28.13   | 28.14         | 45.1    | 45.5  | 45.7    | 3.13      | 3.16    | 3.17             | 12.54   | 12.54 | 12.54 | 7  | 7.00  |
|          | 8:29  |                   | Middle         | 4 | 25.80             | 25.80   |       | 8.30    | 8.30  |         | 28.15    | 28.15   |               | 46.4    | 45.6  |         | 3.22      | 3.17    |                  | 12.54   | 12.52 |       | 7  |       |
| 9/11/15  | 10:20 | Fine              | Middle         | 4 | 26.90             | 26.90   | 26.95 | 8.25    | 8.25  | 8.27    | 32.46    | 32.46   | 32.46         | 71.1    | 70.0  | 69.0    | 4.78      | 4.64    | 4.59             | 6.29    | 6.40  | 6.38  | 4  | 4.50  |
|          | 10:22 |                   | Middle         | 4 | 27.00             | 27.00   |       | 8.28    | 8.28  |         | 32.45    | 32.45   |               | 68.2    | 66.5  |         | 4.53      | 4.42    |                  | 6.42    | 6.42  |       | 5  |       |
| 11/11/15 | 10:30 | Cloudy            | Middle         | 4 | 25.00             | 25.00   | 25.20 | 8.38    | 8.38  | 8.39    | 32.91    | 32.91   | 32.91         | 90.1    | 91.0  | 90.9    | 6.03      | 6.09    | 6.14             | 10.62   | 10.61 | 10.61 | 8  | 8.00  |
|          | 10:32 |                   | Middle         | 4 | 25.40             | 25.40   |       | 8.40    | 8.40  |         | 32.91    | 32.91   |               | 91.4    | 91.2  |         | 6.22      | 6.20    |                  | 10.60   | 10.61 |       | 8  |       |
| 13/11/15 | 11:40 | Cloudy            | Middle         | 3 | 25.70             | 25.70   | 25.75 | 8.46    | 8.46  | 8.44    | 31.50    | 31.50   | 31.51         | 82.2    | 83.4  | 82.1    | 5.61      | 5.69    | 5.60             | 7.51    | 7.45  | 7.45  | 7  | 7.00  |
|          | 11:42 |                   | Middle         | 3 | 25.80             | 25.80   |       | 8.42    | 8.42  |         | 31.51    | 31.51   |               | 81.4    | 81.5  |         | 5.55      | 5.56    |                  | 7.43    | 7.41  |       | 7  |       |
| 17/11/15 | 4:52  | Cloudy            | Middle         | 3 | 25.50             | 25.50   | 25.50 | 8.36    | 8.36  | 8.30    | 25.23    | 25.23   | 25.23         | 48.5    | 49.1  | 48.6    | 3.44      | 3.49    | 3.45             | 17.40   | 17.58 | 17.58 | 12 | 12.50 |
|          | 4:53  |                   | Middle         | 3 | 25.50             | 25.50   |       | 8.24    | 8.24  |         | 25.23    | 25.23   |               | 48.7    | 48.1  |         | 3.46      | 3.42    |                  | 17.63   | 17.70 |       | 13 |       |
| 19/11/15 | 6:12  | Cloudy            | Middle         | 3 | 25.80             | 25.80   | 25.80 | 8.33    | 8.33  | 8.25    | 26.71    | 26.71   | 26.71         | 57.0    | 57.5  | 57.4    | 3.99      | 4.04    | 4.03             | 8.37    | 7.91  | 8.08  | 8  | 8.50  |
|          | 6:13  |                   | Middle         | 3 | 25.80             | 25.80   |       | 8.16    | 8.16  |         | 26.70    | 26.70   |               | 57.7    | 57.5  |         | 4.04      | 4.03    |                  | 8.03    | 8.01  |       | 9  |       |
| 21/11/15 | 20:25 | Cloudy            | Middle         | 3 | 25.20             | 25.20   | 25.15 | 8.39    | 8.39  | 8.37    | 31.40    | 31.41   | 31.40         | 75.5    | 76.4  | 75.7    | 5.22      | 5.28    | 5.24             | 7.63    | 7.51  | 7.33  | 5  | 4.50  |
|          | 20:26 |                   | Middle         | 3 | 25.10             | 25.10   |       | 8.34    | 8.34  |         | 31.40    | 31.40   |               | 75.5    | 75.5  |         | 5.21      | 5.23    |                  | 7.12    | 7.07  |       | 4  |       |
| 23/11/15 | 10:05 | Fine              | Middle         | 3 | 25.80             | 25.80   | 25.80 | 8.24    | 8.24  | 8.23    | 30.14    | 30.14   | 30.15         | 70.9    | 72.5  | 72.0    | 4.87      | 4.98    | 4.95             | 8.71    | 8.60  | 8.62  | 6  | 5.00  |
|          | 10:07 |                   | Middle         | 3 | 25.80             | 25.80   |       | 8.22    | 8.22  |         | 30.15    | 30.15   |               | 72.3    | 72.4  |         | 4.97      | 4.97    |                  | 8.58    | 8.57  |       | 4  |       |
| 25/11/15 | 10:32 | Fine              | Middle         | 4 | 25.30             | 25.30   | 25.30 | 8.29    | 8.29  | 8.29    | 30.71    | 30.71   | 30.72         | 68.6    | 70.3  | 70.7    | 4.73      | 4.85    | 4.88             | 8.84    | 8.84  | 8.83  | 7  | 7.00  |
|          | 10:34 |                   | Middle         | 4 | 25.30             | 25.30   |       | 8.29    | 8.29  |         | 30.72    | 30.72   |               | 72.5    | 71.4  |         | 5.00      | 4.93    |                  | 8.83    | 8.81  |       | 7  |       |
| 27/11/15 | 13:33 | Fine              | Middle         | 4 | 23.20             | 23.20   | 23.15 | 8.33    | 8.33  | 8.32    | 29.46    | 29.46   | 29.49         | 67.8    | 67.2  | 66.9    | 4.89      | 4.85    | 4.83             | 11.03   | 11.14 | 11.14 | 5  | 5.00  |
|          | 13:37 |                   | Middle         | 4 | 23.10             | 23.10   |       | 8.31    | 8.31  |         | 29.51    | 29.51   |               | 66.5    | 65.9  |         | 4.80      | 4.76    |                  | 11.15   | 11.24 |       | 5  |       |
| 30/11/15 | 5:55  | Fine              | Middle         | 3 | 23.10             | 23.10   | 23.05 | 8.38    | 8.38  | 8.36    | 27.72    | 27.73   | 27.72         | 60.4    | 60.2  | 59.6    | 4.42      | 4.40    | 4.36             | 9.58    | 9.56  | 9.76  | 9  | 9.50  |
|          | 5:56  |                   | Middle         | 3 | 23.00             | 23.00   |       | 8.33    | 8.33  |         | 27.72    | 27.72   |               | 58.9    | 59.0  |         | 4.31      | 4.32    |                  | 9.98    | 9.91  |       | 10 |       |



**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

| Date     | Time | Weather Condition | Sampling Depth |   | Water Temperature |         |       | pH      |       |         | Salinity |         | DO Saturation |         | DO    |         | Turbidity |         | Suspended Solids |         |        |        |    |       |
|----------|------|-------------------|----------------|---|-------------------|---------|-------|---------|-------|---------|----------|---------|---------------|---------|-------|---------|-----------|---------|------------------|---------|--------|--------|----|-------|
|          |      |                   |                |   | °C                |         | -     |         | ppt   |         | %        |         | mg/L          |         | NTU   |         | mg/L      |         |                  |         |        |        |    |       |
|          |      |                   |                |   | Value             | Average | Value | Average | Value | Average | Value    | Average | Value         | Average | Value | Average | Value     | Average | Value            | Average |        |        |    |       |
| 2/12/15  | 3:27 | Cloudy            | Middle         | 3 | 23.40             | 23.40   | 23.40 | 8.41    | 8.41  | 8.40    | 27.50    | 27.50   | 27.49         | 44.9    | 45.6  | 44.9    | 3.27      | 3.32    | 3.27             | 9.13    | 9.05   | 9.07   | 5  | 5.50  |
|          | 3:28 |                   | Middle         | 3 | 23.40             | 23.40   |       | 8.39    | 8.40  |         | 27.47    | 27.47   |               | 44.8    | 44.4  |         | 3.26      | 3.23    |                  | 9.03    | 9.07   |        | 6  |       |
| 4/12/15  | 6:31 | Cloudy            | Middle         | 3 | 22.30             | 22.30   | 22.20 | 8.47    | 8.47  | 8.46    | 30.95    | 30.95   | 30.96         | 68.1    | 67.8  | 67.2    | 4.97      | 4.93    | 4.90             | 5.45    | 5.50   | 5.55   | 5  | 4.50  |
|          | 6:32 |                   | Middle         | 3 | 22.10             | 22.10   |       | 8.44    | 8.44  |         | 30.96    | 30.96   |               | 66.5    | 66.3  |         | 4.85      | 4.84    |                  | 5.63    | 5.60   |        | 4  |       |
| 7/12/15  | 9:00 | Fine              | Middle         | 4 | 21.00             | 21.00   | 20.95 | 8.48    | 8.48  | 8.49    | 32.99    | 32.99   | 33.05         | 73.5    | 73.6  | 73.7    | 5.40      | 5.41    | 5.42             | 5.94    | 5.98   | 6.00   | 5  | 5.00  |
|          | 9:02 |                   | Middle         | 4 | 20.90             | 20.90   |       | 8.49    | 8.49  |         | 33.10    | 33.10   |               | 73.5    | 74.1  |         | 5.40      | 5.45    |                  | 5.99    | 6.09   |        | 5  |       |
| 9/12/15  | 0:52 | Cloudy            | Middle         | 3 | 20.50             | 20.50   | 20.45 | 8.54    | 8.54  | 8.52    | 24.90    | 24.90   | 24.90         | 56.9    | 57.0  | 57.1    | 4.43      | 4.44    | 4.45             | 8.95    | 8.98   | 8.99   | 8  | 7.00  |
|          | 0:53 |                   | Middle         | 3 | 20.40             | 20.40   |       | 8.50    | 8.50  |         | 24.90    | 24.90   |               | 57.9    | 56.5  |         | 4.51      | 4.41    |                  | 9.03    | 9.00   |        | 6  |       |
| 12/12/15 | 1:20 | Cloudy            | Middle         | 3 | 21.00             | 21.00   | 21.00 | 8.35    | 8.35  | 8.34    | 27.49    | 27.49   | 27.49         | 32.6    | 32.9  | 32.7    | 2.48      | 2.50    | 2.48             | 43.77   | 43.90  | 44.01  | 7  | 7.50  |
|          | 1:21 |                   | Middle         | 3 | 21.00             | 21.00   |       | 8.33    | 8.33  |         | 27.48    | 27.48   |               | 32.8    | 32.4  |         | 2.49      | 2.46    |                  | 44.16   | 44.22  |        | 8  |       |
| 14/12/15 | 1:50 | Cloudy            | Middle         | 3 | 21.50             | 21.50   | 21.45 | 8.46    | 8.46  | 8.38    | 26.75    | 26.75   | 26.75         | 42.1    | 42.3  | 42.3    | 3.19      | 3.20    | 3.20             | 9.55    | 9.67   | 9.61   | 5  | 4.50  |
|          | 1:51 |                   | Middle         | 3 | 21.40             | 21.40   |       | 8.30    | 8.30  |         | 26.75    | 26.75   |               | 42.2    | 42.6  |         | 3.20      | 3.22    |                  | 9.62    | 9.60   |        | 4  |       |
| 16/12/15 | 5:15 | Fine              | Middle         | 3 | 19.60             | 19.60   | 19.50 | 8.51    | 8.50  | 8.50    | 26.56    | 26.56   | 26.55         | 57.2    | 57.5  | 57.3    | 4.50      | 4.53    | 4.51             | 17.26   | 17.00  | 17.03  | 6  | 5.50  |
|          | 5:16 |                   | Middle         | 3 | 19.40             | 19.40   |       | 8.48    | 8.50  |         | 26.54    | 26.54   |               | 57.4    | 57.2  |         | 4.52      | 4.50    |                  | 16.98   | 16.86  |        | 5  |       |
| 18/12/15 | 6:30 | Fine              | Middle         | 3 | 17.00             | 17.00   | 17.00 | 8.51    | 8.51  | 8.46    | 29.46    | 29.46   | 29.47         | 63.9    | 63.8  | 63.5    | 5.15      | 5.15    | 5.13             | 12.33   | 12.16  | 12.21  | 6  | 6.50  |
|          | 6:31 |                   | Middle         | 3 | 17.00             | 17.00   |       | 8.40    | 8.40  |         | 29.47    | 29.47   |               | 63.2    | 63.0  |         | 5.11      | 5.10    |                  | 12.04   | 12.31  |        | 7  |       |
| 21/12/15 | 8:30 | Cloudy            | Middle         | 3 | 19.70             | 19.70   | 19.70 | 8.33    | 8.33  | 8.34    | 31.36    | 31.36   | 31.36         | 81.5    | 81.6  | 81.6    | 6.20      | 6.20    | 6.21             | 7.60    | 7.60   | 7.59   | 4  | 4.00  |
|          | 8:32 |                   | Middle         | 3 | 19.70             | 19.70   |       | 8.34    | 8.34  |         | 31.36    | 31.36   |               | 81.9    | 81.4  |         | 6.23      | 6.19    |                  | 7.58    | 7.57   |        | 4  |       |
| 23/12/15 | 9:43 | Fine              | Middle         | 4 | 20.70             | 20.70   | 20.75 | 8.30    | 8.30  | 8.31    | 31.07    | 31.07   | 31.02         | 77.4    | 76.5  | 75.9    | 5.79      | 5.72    | 5.67             | 8.00    | 8.00   | 7.98   | 8  | 8.00  |
|          | 9:45 |                   | Middle         | 4 | 20.80             | 20.80   |       | 8.32    | 8.32  |         | 30.97    | 30.97   |               | 75.3    | 74.4  |         | 5.62      | 5.56    |                  | 7.97    | 7.96   |        | 8  |       |
| 26/12/15 | 0:32 | Cloudy            | Middle         | 3 | 19.50             | 19.50   | 19.45 | 8.38    | 8.36  | 8.36    | 24.21    | 24.21   | 24.21         | 28.8    | 28.6  | 28.5    | 2.30      | 2.27    | 2.27             | 154.30  | 153.70 | 153.63 | 18 | 17.00 |
|          | 0:33 |                   | Middle         | 3 | 19.40             | 19.40   |       | 8.34    | 8.34  |         | 24.20    | 24.20   |               | 28.2    | 28.2  |         | 2.25      | 2.25    |                  | 153.30  | 153.20 |        | 16 |       |
| 28/12/15 | 1:46 | Cloudy            | Middle         | 3 | 18.90             | 18.90   | 18.85 | 8.44    | 8.44  | 8.42    | 23.81    | 23.81   | 23.81         | 41.2    | 40.9  | 40.7    | 3.33      | 3.30    | 3.28             | 56.13   | 56.10  | 55.81  | 8  | 7.00  |
|          | 1:47 |                   | Middle         | 3 | 18.80             | 18.80   |       | 8.40    | 8.40  |         | 23.80    | 23.80   |               | 40.2    | 40.3  |         | 3.25      | 3.25    |                  | 56.07   | 54.94  |        | 6  |       |
| 30/12/15 | 3:42 | Cloudy            | Middle         | 3 | 19.30             | 19.30   | 19.25 | 8.54    | 8.53  | 8.51    | 24.48    | 24.48   | 24.48         | 54.1    | 55.5  | 55.3    | 4.33      | 4.43    | 4.42             | 11.86   | 11.91  | 11.92  | 4  | 4.00  |
|          | 3:43 |                   | Middle         | 3 | 19.20             | 19.20   |       | 8.48    | 8.50  |         | 24.48    | 24.48   |               | 55.8    | 55.6  |         | 4.46      | 4.44    |                  | 11.94   | 11.98  |        | 4  |       |

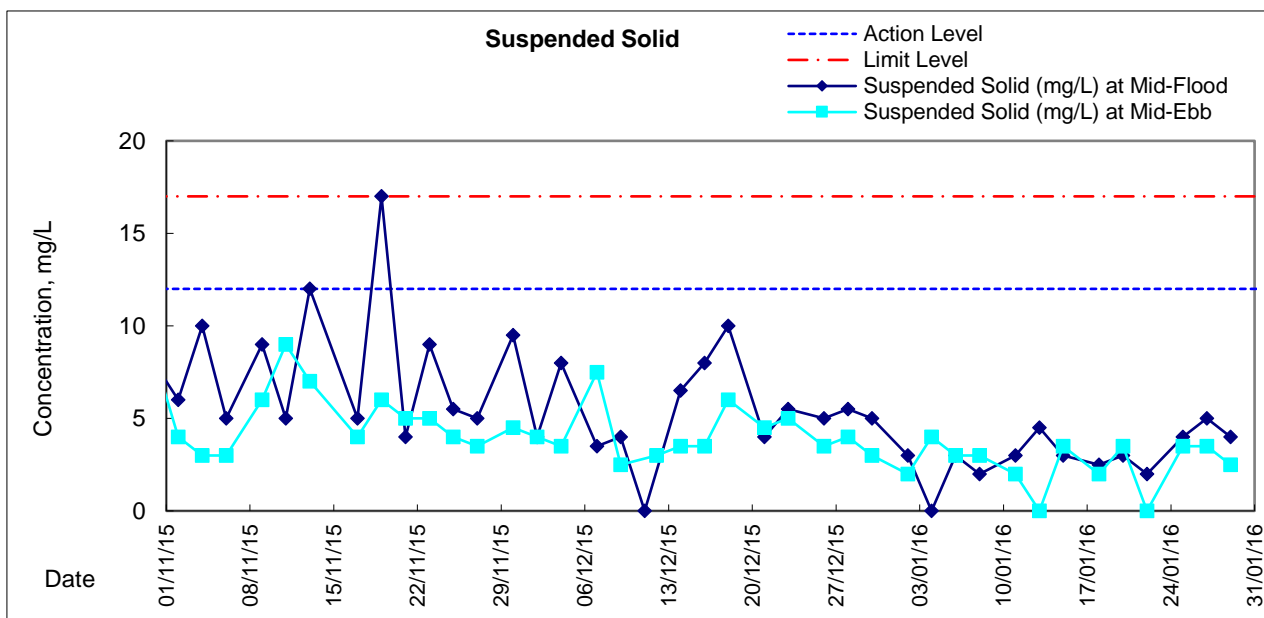
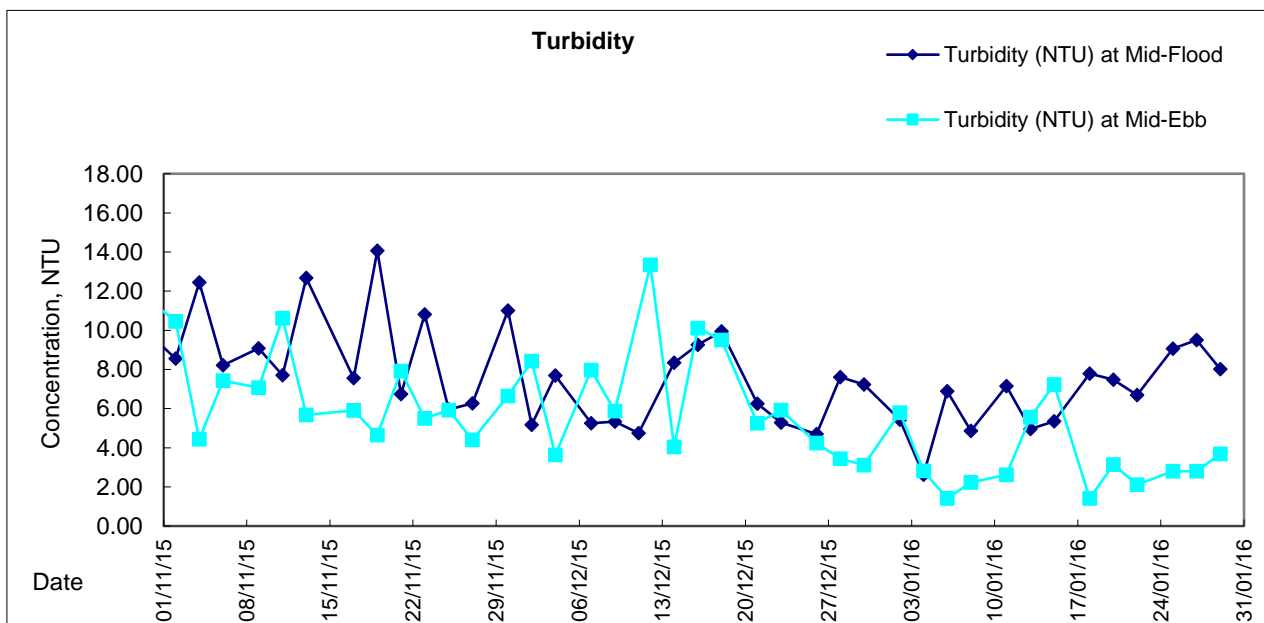
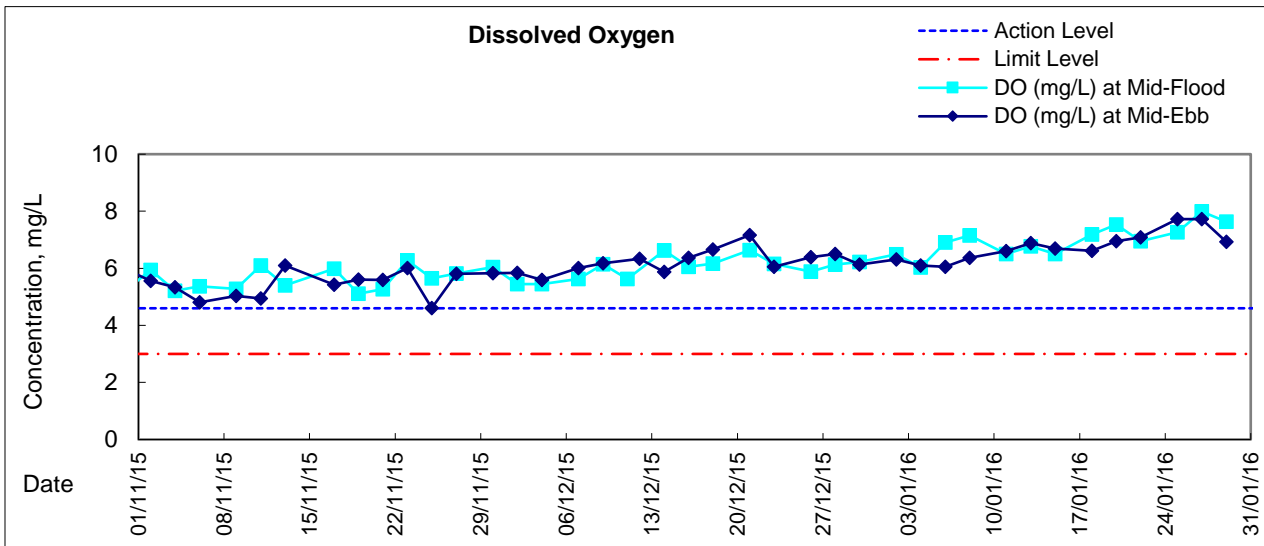


**Water Monitoring Result at Culvert J - Reference Station  
Mid-Ebb Tide**

| Date    | Time  | Weather Condition | Sampling Depth |   | Water Temperature |         |       | pH      |       |         | Salinity |         |       | DO Saturation |       |         | DO    |         |       | Turbidity |       |       | Suspended Solids |       |
|---------|-------|-------------------|----------------|---|-------------------|---------|-------|---------|-------|---------|----------|---------|-------|---------------|-------|---------|-------|---------|-------|-----------|-------|-------|------------------|-------|
|         |       |                   |                |   | °C                |         | -     |         | ppt   |         | %        |         | mg/L  |               | NTU   |         | mg/L  |         |       |           |       |       |                  |       |
|         |       |                   |                |   | Value             | Average | Value | Average | Value | Average | Value    | Average | Value | Average       | Value | Average | Value | Average | Value | Average   |       |       |                  |       |
| 2/1/16  | 4:31  | Fine              | Middle         | 4 | 19.10             | 19.10   | 19.10 | 8.30    | 8.30  | 8.31    | 30.97    | 30.97   | 30.98 | 79.3          | 79.5  | 78.8    | 6.11  | 6.13    | 6.07  | 7.22      | 7.23  | 7.23  | <2               | <2    |
|         | 4:33  |                   | Middle         | 4 | 19.10             | 19.10   |       | 8.31    | 8.31  |         | 30.98    | 30.98   |       | 79.0          | 77.4  |         | 6.09  | 5.96    |       | 7.23      | 7.22  |       |                  |       |
| 4/1/16  | 22:00 | Cloudy            | Middle         | 3 | 20.60             | 20.60   | 20.60 | 8.42    | 8.42  | 8.41    | 26.99    | 26.99   | 26.99 | 57.5          | 57.7  | 57.6    | 4.40  | 4.42    | 4.41  | 12.63     | 12.55 | 13.12 | 6                | 6.00  |
|         | 22:01 |                   | Middle         | 3 | 20.60             | 20.60   |       | 8.38    | 8.40  |         | 26.99    | 26.99   |       | 57.6          | 57.4  |         | 4.41  | 4.39    |       | 13.38     | 13.92 |       | 6                |       |
| 6/1/16  | 23:06 | Fine              | Middle         | 3 | 20.40             | 20.40   | 20.45 | 8.43    | 8.43  | 8.42    | 29.33    | 29.32   | 29.33 | 70.7          | 71.4  | 71.3    | 5.36  | 5.41    | 5.40  | 6.93      | 6.51  | 6.48  | 3                | 3.50  |
|         | 23:07 |                   | Middle         | 3 | 20.50             | 20.50   |       | 8.40    | 8.40  |         | 29.33    | 29.33   |       | 71.4          | 71.5  |         | 5.41  | 5.42    |       | 6.34      | 6.12  |       | 4                |       |
| 8/1/16  | 0:20  | Cloudy            | Middle         | 3 | 19.10             | 19.10   | 19.10 | 8.44    | 8.44  | 8.43    | 28.26    | 28.26   | 28.27 | 67.8          | 69.4  | 68.5    | 5.31  | 5.44    | 5.36  | 4.62      | 4.60  | 4.72  | 4                | 4.50  |
|         | 0:21  |                   | Middle         | 3 | 19.10             | 19.10   |       | 8.41    | 8.41  |         | 28.27    | 28.27   |       | 68.9          | 67.7  |         | 5.39  | 5.30    |       | 4.69      | 4.96  |       | 5                |       |
| 11/1/16 | 1:30  | Cloudy            | Middle         | 3 | 18.50             | 18.50   | 18.50 | 8.63    | 8.63  | 8.60    | 15.80    | 15.80   | 15.80 | 70.7          | 73.3  | 73.0    | 6.02  | 6.25    | 6.22  | 34.51     | 34.38 | 34.22 | 31               | 31.50 |
|         | 1:31  |                   | Middle         | 3 | 18.50             | 18.50   |       | 8.57    | 8.57  |         | 15.79    | 15.79   |       | 74.3          | 73.5  |         | 6.33  | 6.27    |       | 34.05     | 33.95 |       | 32               |       |
| 13/1/16 | 14:39 | Fine              | Middle         | 4 | 19.80             | 19.80   | 19.85 | 8.36    | 8.36  | 8.38    | 30.65    | 30.65   | 30.62 | 80.5          | 79.5  | 79.1    | 6.13  | 6.05    | 6.02  | 7.36      | 7.36  | 7.36  | <2               | 2.00  |
|         | 14:41 |                   | Middle         | 4 | 19.90             | 19.90   |       | 8.40    | 8.40  |         | 30.59    | 30.59   |       | 78.7          | 77.8  |         | 5.99  | 5.92    |       | 7.31      | 7.39  |       | 2                |       |
| 15/1/16 | 17:24 | Rainy             | Middle         | 4 | 17.70             | 17.70   | 17.70 | 8.39    | 8.39  | 8.41    | 27.24    | 27.24   | 27.25 | 86.0          | 84.3  | 83.8    | 6.96  | 6.82    | 6.78  | 10.12     | 10.12 | 10.13 | 6                | 5.50  |
|         | 17:26 |                   | Middle         | 4 | 17.70             | 17.70   |       | 8.43    | 8.43  |         | 27.25    | 27.25   |       | 83.2          | 81.7  |         | 6.73  | 6.61    |       | 10.13     | 10.13 |       | 5                |       |
| 18/1/16 | 20:08 | Cloudy            | Middle         | 3 | 18.30             | 18.30   | 18.20 | 8.57    | 8.57  | 8.54    | 27.28    | 27.28   | 27.28 | 70.4          | 71.9  | 71.6    | 5.64  | 5.77    | 5.74  | 8.99      | 9.05  | 9.02  | 6                | 6.00  |
|         | 20:09 |                   | Middle         | 3 | 18.10             | 18.10   |       | 8.53    | 8.50  |         | 27.28    | 27.28   |       | 72.2          | 71.8  |         | 5.79  | 5.76    |       | 9.02      | 9.01  |       | 6                |       |
| 20/1/16 | 22:40 | Cloudy            | Middle         | 3 | 17.50             | 17.50   | 17.45 | 8.64    | 8.64  | 8.61    | 26.31    | 26.31   | 26.31 | 70.1          | 70.7  | 70.0    | 5.73  | 5.78    | 5.80  | 12.96     | 13.02 | 13.01 | 3                | 3.00  |
|         | 22:41 |                   | Middle         | 3 | 17.40             | 17.40   |       | 8.57    | 8.57  |         | 26.30    | 26.30   |       | 70.0          | 69.3  |         | 5.72  | 5.97    |       | 13.05     | 13.00 |       | 3                |       |
| 22/1/16 | 2:40  | Cloudy            | Middle         | 3 | 16.00             | 16.00   | 15.95 | 8.61    | 8.61  | 8.58    | 25.87    | 25.87   | 25.88 | 66.4          | 65.9  | 67.0    | 5.61  | 5.58    | 5.66  | 11.34     | 11.30 | 11.32 | 8                | 7.50  |
|         | 2:41  |                   | Middle         | 3 | 15.90             | 15.90   |       | 8.54    | 8.54  |         | 25.88    | 25.88   |       | 67.7          | 67.9  |         | 5.72  | 5.74    |       | 11.39     | 11.24 |       | 7                |       |
| 25/1/16 | 0:48  | Fine              | Middle         | 3 | 12.10             | 12.10   | 11.98 | 8.58    | 8.58  | 8.56    | 26.25    | 26.25   | 26.26 | 73.2          | 73.1  | 73.1    | 6.71  | 6.71    | 6.71  | 11.05     | 11.06 | 11.08 | 4                | 4.00  |
|         | 0:49  |                   | Middle         | 3 | 11.70             | 12.00   |       | 8.53    | 8.53  |         | 26.27    | 26.27   |       | 72.9          | 73.1  |         | 6.69  | 6.71    |       | 11.08     | 11.13 |       | 4                |       |
| 27/1/16 | 1:48  | Cloudy            | Middle         | 3 | 14.70             | 14.70   | 14.40 | 8.25    | 8.25  | 8.26    | 25.61    | 25.61   | 25.65 | 59.7          | 59.5  | 61.0    | 5.24  | 5.20    | 5.34  | 10.01     | 10.02 | 10.05 | 6                | 6.50  |
|         | 1:49  |                   | Middle         | 3 | 14.10             | 14.10   |       | 8.27    | 8.27  |         | 25.68    | 25.68   |       | 62.4          | 62.2  |         | 5.46  | 5.46    |       | 10.07     | 10.09 |       | 7                |       |
| 29/1/16 | 5:06  | Cloudy            | Middle         | 3 | 16.60             | 16.60   | 16.60 | 8.07    | 8.66  | 8.51    | 20.17    | 20.17   | 20.17 | 81.6          | 80.7  | 81.1    | 7.03  | 6.97    | 6.99  | 8.55      | 8.53  | 8.54  | 8                | 8.00  |
|         | 5:07  |                   | Middle         | 3 | 16.60             | 16.60   |       | 8.65    | 8.65  |         | 20.16    | 20.16   |       | 81.1          | 81.0  |         | 6.98  | 6.99    |       | 8.51      | 8.57  |       | 8                |       |



### Graphic Presentation of Water Quality Result of M5B - Central Cooling Water Intake Groups



The construction work during the reporting period include, excavation and lateral support for tunnel construction, roadworks, drainage works, installation of caisson seawall, P1 Road pedestrian road reinstatement and P1 Road Landscaping Works. The weather condition during the reporting period ranges from mostly sunny to rainy. The quarterly mean of suspended solids in this reporting quarter was found to be 5 mg/L which was lower than ambient mean of 7.5 mg/L according to the baseline monitoring data.



### Graphic Presentation of Water Quality Result of Culvert J - Reference Station

