

**WATER COLUMN PROFILING FOR CMP 1  
12/7/2014**

| Pos. No.   | Easting  | Northing | Tide    | Depth | Temp. | Salinity | Turbidity(Ntu) | D.O.(%) | D.O.(mg/l) | pH   | Time     | Speed | Direction |
|------------|----------|----------|---------|-------|-------|----------|----------------|---------|------------|------|----------|-------|-----------|
| Downstream | 814929.0 | 819785.3 | Mid Ebb | 7.9   | 27.03 | 26.11    | 9.1            | 47.5    | 3.26       | 7.72 | 12:28:40 | 0.34  | 22.6      |
|            |          |          |         | 7.1   | 27.22 | 25.51    | 8.4            | 48.6    | 3.34       | 7.73 | 12:29:41 | 0.39  | 120.3     |
|            |          |          |         | 6.0   | 28.22 | 22.48    | 8.9            | 60.1    | 4.14       | 7.76 | 12:32:02 | 0.44  | 22.3      |
|            |          |          |         | 5.1   | 28.79 | 21.31    | 8.9            | 70.7    | 4.85       | 7.81 | 12:33:27 | 0.28  | 105.0     |
|            |          |          |         | 4.0   | 28.80 | 21.31    | 9.5            | 71.3    | 4.89       | 7.81 | 12:35:01 | 0.35  | 163.4     |
|            |          |          |         | 2.8   | 28.98 | 20.96    | 8.9            | 73.6    | 5.04       | 7.83 | 12:36:09 | 0.32  | 327.1     |
|            |          |          |         | 2.1   | 29.62 | 19.46    | 5.8            | 89.0    | 6.08       | 7.89 | 12:37:12 | 0.40  | 54.8      |
|            |          |          |         | 1.2   | 29.67 | 19.37    | 5.6            | 91.0    | 6.22       | 7.88 | 12:38:15 | 0.53  | 335.9     |
|            |          |          |         | 8.1   | 26.97 | 26.27    | 10.2           | 46.4    | 3.19       | 7.72 | 12:40:12 | 0.45  | 273.2     |
|            |          |          |         | 7.1   | 27.88 | 23.46    | 7.8            | 56.5    | 3.89       | 7.74 | 12:41:50 | 0.40  | 128.1     |
|            |          |          |         | 6.0   | 28.36 | 22.30    | 8.4            | 64.1    | 4.40       | 7.77 | 12:44:07 | 0.36  | 93.8      |
|            |          |          |         | 4.8   | 28.70 | 21.51    | 8.4            | 69.1    | 4.74       | 7.79 | 12:46:36 | 0.28  | 43.8      |
|            |          |          |         | 3.7   | 28.78 | 21.39    | 9.3            | 70.4    | 4.83       | 7.80 | 12:48:16 | 0.63  | 324.6     |
|            |          |          |         | 3.0   | 28.82 | 21.35    | 9.0            | 71.6    | 4.91       | 7.81 | 12:49:35 | 0.40  | 162.2     |
|            |          |          |         | 2.0   | 29.25 | 20.28    | 7.3            | 86.0    | 5.89       | 7.88 | 12:51:11 | 1.38  | 331.5     |
|            |          |          |         | 1.0   | 29.64 | 19.43    | 5.7            | 91.5    | 6.26       | 7.89 | 12:52:52 | 0.64  | 160.2     |
|            |          |          |         | 8.0   | 27.21 | 25.44    | 9.5            | 49.1    | 3.38       | 7.72 | 12:57:16 | 0.18  | 295.7     |
|            |          |          |         | 7.0   | 27.64 | 24.01    | 7.2            | 52.7    | 3.63       | 7.73 | 12:58:51 | 0.16  | 74.3      |
|            |          |          |         | 6.1   | 28.56 | 21.81    | 8.4            | 62.2    | 4.27       | 7.76 | 13:00:08 | 0.14  | 272.0     |
|            |          |          |         | 5.1   | 28.66 | 21.61    | 8.4            | 66.0    | 4.53       | 7.77 | 13:02:11 | 0.77  | 329.7     |
|            |          |          |         | 4.1   | 28.72 | 21.53    | 9.4            | 67.3    | 4.62       | 7.78 | 13:04:32 | 0.37  | 17.4      |
|            |          |          |         | 3.2   | 28.89 | 21.31    | 9.5            | 72.4    | 4.96       | 7.81 | 13:05:43 | 0.26  | 143.1     |
|            |          |          |         | 1.9   | 29.32 | 20.12    | 7.8            | 85.3    | 5.84       | 7.87 | 13:07:30 | 0.68  | 107.0     |
|            |          |          |         | 1.0   | 29.62 | 19.47    | 5.6            | 90.6    | 6.19       | 7.89 | 13:08:33 | 0.45  | 157.1     |
|            |          |          |         | 7.6   | 27.28 | 25.33    | 8.5            | 50.4    | 3.47       | 7.72 | 13:10:40 | 0.16  | 54.3      |
|            |          |          |         | 6.9   | 27.58 | 24.30    | 7.7            | 52.9    | 3.64       | 7.72 | 13:12:32 | 0.27  | 316.2     |
|            |          |          |         | 5.9   | 28.61 | 21.80    | 8.6            | 63.5    | 4.36       | 7.76 | 13:14:31 | 0.29  | 263.2     |
|            |          |          |         | 5.0   | 28.70 | 21.71    | 8.6            | 66.4    | 4.55       | 7.77 | 13:15:45 | 0.14  | 55.5      |
|            |          |          |         | 4.1   | 28.99 | 21.13    | 9.7            | 75.3    | 5.16       | 7.82 | 13:17:47 | 0.24  | 177.8     |
|            |          |          |         | 2.8   | 29.38 | 20.00    | 7.2            | 88.0    | 6.02       | 7.87 | 13:20:37 | 0.38  | 30.2      |
|            |          |          |         | 1.9   | 29.51 | 19.70    | 6.1            | 89.3    | 6.11       | 7.87 | 13:24:16 | 0.90  | 305.4     |
|            |          |          |         | 1.1   | 29.62 | 19.51    | 5.8            | 90.7    | 6.20       | 7.87 | 13:25:43 | 0.92  | 185.1     |

**WATER COLUMN PROFILING FOR CMP 1**

**12/7/2014**

| Pos. No. | Easting  | Northing | Tide    | Depth | Temp. | Salinity | Turbidity(Ntu) | D.O.(%) | D.O.(mg/l) | pH   | Time     | Speed | Direction |
|----------|----------|----------|---------|-------|-------|----------|----------------|---------|------------|------|----------|-------|-----------|
| Upstream | 815276.0 | 819790.3 | Mid Ebb | 6.1   | 26.89 | 26.62    | 8.2            | 42.0    | 2.89       | 7.68 | 13:52:32 | 0.69  | 46.8      |
|          |          |          |         | 4.9   | 27.32 | 25.31    | 7.2            | 45.4    | 3.12       | 7.69 | 13:53:28 | 0.23  | 43.8      |
|          |          |          |         | 3.8   | 28.30 | 22.88    | 8.8            | 55.0    | 3.77       | 7.72 | 13:54:28 | 0.21  | 340.5     |
|          |          |          |         | 3.0   | 28.74 | 21.73    | 8.9            | 69.0    | 4.72       | 7.77 | 13:55:45 | 0.23  | 339.1     |
|          |          |          |         | 1.9   | 29.46 | 20.15    | 7.3            | 88.4    | 6.04       | 7.85 | 13:57:34 | 0.58  | 304.4     |
|          |          |          |         | 1.0   | 29.65 | 19.84    | 6.8            | 94.4    | 6.44       | 7.89 | 13:59:26 | 0.37  | 241.4     |
|          |          |          |         | 6.0   | 26.86 | 26.70    | 8.1            | 39.8    | 2.73       | 7.67 | 14:02:57 | 0.22  | 232.3     |
|          |          |          |         | 5.0   | 27.28 | 25.31    | 7.7            | 43.0    | 2.96       | 7.67 | 14:04:09 | 0.45  | 341.1     |
|          |          |          |         | 4.1   | 28.19 | 23.16    | 9.1            | 53.2    | 3.65       | 7.70 | 14:05:51 | 0.35  | 104.6     |
|          |          |          |         | 3.1   | 28.65 | 22.09    | 9.8            | 65.3    | 4.47       | 7.74 | 14:07:59 | 0.14  | 151.6     |
|          |          |          |         | 2.2   | 28.85 | 21.65    | 8.4            | 74.6    | 5.10       | 7.77 | 14:09:11 | 1.49  | 77.6      |
|          |          |          |         | 1.0   | 29.45 | 20.27    | 7.4            | 87.6    | 5.98       | 7.86 | 14:10:20 | 0.93  | 258.1     |
|          |          |          |         | 6.0   | 26.90 | 26.57    | 8.7            | 38.7    | 2.66       | 7.66 | 14:13:32 | 0.19  | 207.8     |
|          |          |          |         | 4.9   | 27.88 | 23.70    | 7.9            | 49.3    | 3.39       | 7.68 | 14:14:43 | 0.92  | 141.7     |
|          |          |          |         | 3.9   | 28.51 | 22.40    | 9.9            | 60.3    | 4.13       | 7.71 | 14:16:03 | 0.39  | 28.4      |
|          |          |          |         | 3.1   | 28.72 | 21.93    | 9.6            | 66.5    | 4.55       | 7.75 | 14:18:42 | 0.29  | 307.5     |
|          |          |          |         | 2.1   | 29.29 | 20.62    | 8.4            | 84.0    | 5.73       | 7.83 | 14:19:56 | 0.85  | 45.1      |
|          |          |          |         | 1.2   | 29.72 | 19.79    | 6.2            | 95.6    | 6.52       | 7.89 | 14:21:17 | 0.36  | 328.2     |
|          |          |          |         | 5.9   | 27.05 | 26.04    | 7.5            | 40.1    | 2.76       | 7.66 | 14:22:58 | 0.25  | 327.3     |
|          |          |          |         | 4.8   | 28.07 | 23.42    | 8.9            | 51.8    | 3.55       | 7.69 | 14:26:24 | 0.56  | 67.7      |
|          |          |          |         | 3.9   | 28.45 | 22.58    | 12.0           | 60.9    | 4.17       | 7.72 | 14:28:08 | 0.30  | 294.2     |
|          |          |          |         | 3.0   | 28.90 | 21.46    | 9.2            | 73.4    | 5.02       | 7.77 | 14:32:32 | 0.57  | 2.4       |
|          |          |          |         | 2.0   | 29.00 | 21.17    | 8.8            | 76.2    | 5.21       | 7.78 | 14:35:08 | 0.75  | 241.3     |
|          |          |          |         | 1.2   | 29.43 | 20.33    | 8.2            | 87.7    | 5.99       | 7.84 | 14:37:27 | 0.77  | 270.2     |

**WATER COLUMN PROFILING FOR CMP 1**  
**12/7/2014**

| <b>Suspended Solids (SS)</b> |                   | Unit                     | mg/L |
|------------------------------|-------------------|--------------------------|------|
|                              |                   | Limit of Reporting (LOR) | 2    |
| Sample date:                 | Station           |                          |      |
| 12/7/2014                    | Downstream (WCP1) | REPLICATE 1              | 11.1 |
| 12/7/2014                    | Downstream (WCP1) | REPLICATE 2              | 10.9 |
| 12/7/2014                    | Downstream (WCP1) | REPLICATE 3              | 8.3  |
| 12/7/2014                    | Downstream (WCP1) | REPLICATE 4              | 8.8  |
| 12/7/2014                    | Upstream (WCP2)   | REPLICATE 1              | 8.4  |
| 12/7/2014                    | Upstream (WCP2)   | REPLICATE 2              | 8.8  |
| 12/7/2014                    | Upstream (WCP2)   | REPLICATE 3              | 12.9 |
| 12/7/2014                    | Upstream (WCP2)   | REPLICATE 4              | 10.6 |