

| WATER COLUMN PROFILING FOR ESC CMP Vd |          |          |         |       |       |          |                |         |            |      |          |       |           |
|---------------------------------------|----------|----------|---------|-------|-------|----------|----------------|---------|------------|------|----------|-------|-----------|
| 29-06-2018                            |          |          |         |       |       |          |                |         |            |      |          |       |           |
| Pos. No.                              | Easting  | Northing | Tide    | Depth | Temp. | Salinity | Turbidity(Ntu) | D.O.(%) | D.O.(mg/l) | pH   | Time     | Speed | Direction |
| Downstream                            | 812659.5 | 822182.5 | Mid Ebb | 8.0   | 29.12 | 19.78    | 10.3           | 77.0    | 5.29       | 7.93 | 12:08:03 | 0.62  | 144.5     |
|                                       |          |          |         | 8.0   | 29.02 | 19.95    | 31.5           | 72.1    | 4.96       | 7.92 | 12:24:09 | 0.61  | 54.9      |
|                                       |          |          |         | 8.0   | 29.01 | 19.94    | 27.4           | 70.4    | 4.85       | 7.93 | 12:40:23 | 0.24  | 118.2     |
|                                       |          |          |         | 8.0   | 28.55 | 22.48    | 21.8           | 64.8    | 4.43       | 7.91 | 12:59:50 | 0.54  | 78.9      |
|                                       |          |          |         | 7.0   | 29.24 | 18.57    | 7.7            | 78.7    | 5.44       | 7.95 | 12:08:38 | 0.54  | 44.3      |
|                                       |          |          |         | 7.0   | 29.14 | 19.00    | 18.3           | 75.1    | 5.19       | 7.95 | 12:25:59 | 1.13  | 92.5      |
|                                       |          |          |         | 7.0   | 29.07 | 19.56    | 19.6           | 71.7    | 4.95       | 7.94 | 12:42:28 | 0.73  | 89.5      |
|                                       |          |          |         | 7.0   | 28.93 | 20.47    | 23.8           | 68.1    | 4.68       | 7.92 | 13:01:27 | 0.21  | 48.8      |
|                                       |          |          |         | 6.0   | 29.39 | 17.31    | 8.8            | 81.8    | 5.68       | 7.96 | 12:10:20 | 1.04  | 92.0      |
|                                       |          |          |         | 6.0   | 29.18 | 18.69    | 17.3           | 75.0    | 5.19       | 7.96 | 12:27:34 | 0.99  | 71.5      |
|                                       |          |          |         | 6.0   | 29.20 | 18.62    | 16.2           | 74.1    | 5.13       | 7.96 | 12:43:42 | 1.14  | 77.8      |
|                                       |          |          |         | 6.0   | 29.11 | 19.05    | 16.8           | 71.7    | 4.95       | 7.94 | 13:02:27 | 0.68  | 117.1     |
|                                       |          |          |         | 5.0   | 29.34 | 17.47    | 8.5            | 81.5    | 5.66       | 7.95 | 12:12:15 | 0.56  | 95.7      |
|                                       |          |          |         | 5.0   | 29.21 | 18.41    | 13.5           | 75.4    | 5.22       | 7.97 | 12:28:54 | 1.07  | 56.8      |
|                                       |          |          |         | 5.0   | 29.33 | 17.79    | 10.0           | 75.3    | 5.22       | 7.96 | 12:46:01 | 0.79  | 112.1     |
|                                       |          |          |         | 5.0   | 29.20 | 18.52    | 11.4           | 73.9    | 5.11       | 7.95 | 13:03:40 | 0.46  | 167.7     |
|                                       |          |          |         | 4.0   | 29.49 | 16.23    | 6.6            | 83.7    | 5.84       | 7.96 | 12:14:13 | 0.88  | 84.8      |
|                                       |          |          |         | 4.0   | 29.46 | 16.77    | 5.8            | 80.7    | 5.61       | 7.97 | 12:31:04 | 1.45  | 118.6     |
|                                       |          |          |         | 4.0   | 29.45 | 17.13    | 5.1            | 80.2    | 5.57       | 7.96 | 12:47:43 | 0.21  | 173.9     |
|                                       |          |          |         | 4.0   | 29.54 | 16.71    | 5.2            | 80.1    | 5.57       | 7.95 | 13:04:57 | 1.08  | 100.4     |
|                                       |          |          |         | 3.0   | 29.46 | 16.44    | 6.5            | 83.3    | 5.81       | 7.96 | 12:16:25 | 0.94  | 138.4     |
|                                       |          |          |         | 3.0   | 29.49 | 16.69    | 5.9            | 81.5    | 5.67       | 7.97 | 12:33:11 | 1.19  | 91.9      |
|                                       |          |          |         | 3.0   | 29.65 | 16.30    | 4.9            | 85.0    | 5.91       | 7.95 | 12:51:44 | 0.68  | 140.9     |
|                                       |          |          |         | 3.0   | 29.66 | 16.11    | 5.1            | 84.1    | 5.85       | 7.94 | 13:07:20 | 1.43  | 131.7     |
|                                       |          |          |         | 2.0   | 29.51 | 16.26    | 6.5            | 83.5    | 5.82       | 7.96 | 12:17:46 | 0.86  | 86.3      |
|                                       |          |          |         | 2.0   | 29.81 | 15.36    | 6.0            | 88.1    | 6.14       | 7.98 | 12:35:23 | 1.53  | 61.0      |
|                                       |          |          |         | 2.0   | 29.84 | 15.30    | 5.2            | 87.4    | 6.09       | 7.95 | 12:53:05 | 1.02  | 100.8     |
|                                       |          |          |         | 2.0   | 29.67 | 16.04    | 5.3            | 85.6    | 5.96       | 7.95 | 13:08:19 | 1.81  | 53.4      |
|                                       |          |          |         | 1.0   | 29.86 | 15.54    | 5.6            | 88.5    | 6.16       | 7.98 | 12:19:24 | 1.17  | 153.0     |
|                                       |          |          |         | 1.0   | 29.99 | 14.85    | 5.1            | 93.5    | 6.52       | 7.98 | 12:37:37 | 0.54  | 173.9     |
|                                       |          |          |         | 1.0   | 29.93 | 14.87    | 5.2            | 92.3    | 6.44       | 7.96 | 12:54:31 | 1.32  | 177.0     |
|                                       |          |          |         | 1.0   | 29.76 | 14.90    | 4.8            | 88.9    | 6.22       | 7.96 | 13:10:13 | 1.21  | 123.6     |

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|---------------------------------------|----------|----------|---------|-------|-------|----------|----------------|---------|------------|------|----------|-------|-----------|
| 29-06-2018                            |          |          |         |       |       |          |                |         |            |      |          |       |           |
| Pos. No.                              | Easting  | Northing | Tide    | Depth | Temp. | Salinity | Turbidity(Ntu) | D.O.(%) | D.O.(mg/l) | pH   | Time     | Speed | Direction |
| Upstream                              | 812059.3 | 822453.1 | Mid Ebb | 11.0  | 27.56 | 26.89    | 34.7           | 56.5    | 3.84       | 7.90 | 13:30:43 | 0.34  | 22.9      |
|                                       |          |          |         | 11.0  | 27.61 | 26.70    | 28.4           | 57.5    | 3.90       | 7.89 | 13:45:42 | 0.79  | 132.8     |
|                                       |          |          |         | 11.0  | 27.72 | 26.28    | 23.3           | 58.5    | 3.98       | 7.88 | 14:00:08 | 0.28  | 89.2      |
|                                       |          |          |         | 11.0  | 27.99 | 25.07    | 22.5           | 59.9    | 4.08       | 7.86 | 14:13:58 | 0.69  | 159.8     |
|                                       |          |          |         | 10.0  | 27.62 | 26.64    | 30.8           | 57.0    | 3.87       | 7.90 | 13:32:02 | 0.66  | 65.3      |
|                                       |          |          |         | 10.0  | 27.83 | 25.70    | 21.6           | 58.3    | 3.97       | 7.89 | 13:46:43 | 0.32  | 68.8      |
|                                       |          |          |         | 10.0  | 27.81 | 25.88    | 21.1           | 58.3    | 3.97       | 7.88 | 14:01:16 | 0.33  | 66.7      |
|                                       |          |          |         | 10.0  | 28.28 | 23.77    | 17.5           | 61.4    | 4.19       | 7.87 | 14:15:03 | 0.34  | 87.6      |
|                                       |          |          |         | 9.0   | 27.65 | 26.53    | 27.1           | 57.2    | 3.89       | 7.90 | 13:33:09 | 0.47  | 110.5     |
|                                       |          |          |         | 9.0   | 28.27 | 23.76    | 17.2           | 61.6    | 4.20       | 7.90 | 13:48:41 | 0.63  | 70.6      |
|                                       |          |          |         | 9.0   | 28.34 | 23.56    | 15.9           | 61.4    | 4.19       | 7.88 | 14:02:42 | 0.49  | 92.4      |
|                                       |          |          |         | 9.0   | 28.45 | 23.04    | 17.6           | 62.5    | 4.27       | 7.87 | 14:16:22 | 0.39  | 130.7     |
|                                       |          |          |         | 8.0   | 28.63 | 22.11    | 14.0           | 64.9    | 4.44       | 7.91 | 13:34:16 | 0.64  | 57.5      |
|                                       |          |          |         | 8.0   | 28.64 | 22.04    | 13.6           | 64.9    | 4.44       | 7.88 | 14:03:50 | 1.15  | 123.6     |
|                                       |          |          |         | 8.0   | 28.63 | 22.15    | 16.1           | 63.8    | 4.37       | 7.87 | 14:17:20 | 0.48  | 165.3     |
|                                       |          |          |         | 7.0   | 29.08 | 19.61    | 9.9            | 71.8    | 4.94       | 7.91 | 13:35:25 | 0.32  | 106.9     |
|                                       |          |          |         | 7.0   | 28.90 | 20.56    | 10.9           | 67.5    | 4.64       | 7.90 | 13:49:52 | 0.66  | 74.6      |
|                                       |          |          |         | 7.0   | 28.92 | 20.33    | 10.6           | 69.0    | 4.75       | 7.90 | 13:51:30 | 0.11  | 145.2     |
|                                       |          |          |         | 7.0   | 29.12 | 19.45    | 9.6            | 69.6    | 4.79       | 7.88 | 14:04:52 | 1.13  | 168.6     |
|                                       |          |          |         | 6.0   | 29.03 | 19.88    | 11.0           | 70.5    | 4.85       | 7.92 | 13:36:35 | 1.02  | 91.4      |
|                                       |          |          |         | 6.0   | 29.09 | 19.31    | 9.8            | 71.5    | 4.93       | 7.90 | 13:52:48 | 0.83  | 79.5      |
|                                       |          |          |         | 6.0   | 29.28 | 18.53    | 7.3            | 71.7    | 4.96       | 7.88 | 14:05:59 | 0.55  | 126.6     |
|                                       |          |          |         | 6.0   | 29.20 | 19.20    | 8.5            | 69.0    | 4.76       | 7.87 | 14:18:43 | 0.76  | 89.9      |
|                                       |          |          |         | 6.0   | 28.81 | 21.36    | 11.7           | 68.0    | 4.66       | 7.86 | 14:20:22 | 1.02  | 61.1      |
|                                       |          |          |         | 5.0   | 29.40 | 17.63    | 6.3            | 81.0    | 5.61       | 7.91 | 13:39:24 | 1.00  | 97.6      |
|                                       |          |          |         | 5.0   | 29.13 | 19.05    | 8.1            | 72.6    | 5.01       | 7.88 | 13:54:22 | 0.68  | 115.1     |
|                                       |          |          |         | 5.0   | 29.45 | 17.70    | 6.5            | 75.2    | 5.21       | 7.90 | 14:07:26 | 0.11  | 330.1     |
|                                       |          |          |         | 5.0   | 29.05 | 20.26    | 10.4           | 70.3    | 4.83       | 7.86 | 14:21:46 | 0.39  | 85.0      |
|                                       |          |          |         | 4.0   | 29.68 | 16.22    | 6.3            | 82.0    | 5.70       | 7.93 | 13:40:39 | 0.38  | 228.4     |
|                                       |          |          |         | 4.0   | 29.72 | 16.50    | 6.7            | 79.5    | 5.52       | 7.91 | 13:55:23 | 0.86  | 123.9     |
|                                       |          |          |         | 4.0   | 29.57 | 16.87    | 5.6            | 80.7    | 5.60       | 7.89 | 14:08:58 | 1.12  | 98.4      |
|                                       |          |          |         | 4.0   | 29.52 | 18.23    | 8.1            | 76.0    | 5.24       | 7.87 | 14:23:10 | 1.01  | 92.8      |
|                                       |          |          |         | 3.0   | 29.96 | 15.46    | 5.7            | 86.9    | 6.03       | 7.94 | 13:41:49 | 0.93  | 72.2      |
|                                       |          |          |         | 3.0   | 29.89 | 15.85    | 5.3            | 84.7    | 5.88       | 7.91 | 13:56:21 | 1.09  | 123.3     |
|                                       |          |          |         | 3.0   | 29.70 | 16.35    | 5.2            | 82.5    | 5.73       | 7.89 | 14:09:57 | 0.84  | 102.1     |
|                                       |          |          |         | 3.0   | 29.88 | 16.76    | 6.7            | 84.3    | 5.82       | 7.89 | 14:24:16 | 1.00  | 112.7     |
|                                       |          |          |         | 2.0   | 30.08 | 15.14    | 5.5            | 88.5    | 6.15       | 7.94 | 13:43:00 | 1.70  | 124.8     |

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|---------------------------------------|---------|----------|------|-------|-------|----------|----------------|---------|------------|------|----------|-------|-----------|
| 29-06-2018                            |         |          |      |       |       |          |                |         |            |      |          |       |           |
| Pos. No.                              | Easting | Northing | Tide | Depth | Temp. | Salinity | Turbidity(Ntu) | D.O.(%) | D.O.(mg/l) | pH   | Time     | Speed | Direction |
|                                       |         |          |      | 2.0   | 29.94 | 15.73    | 5.1            | 86.3    | 5.99       | 7.92 | 13:57:23 | 0.37  | 121.1     |
|                                       |         |          |      | 2.0   | 29.86 | 15.84    | 5.2            | 86.1    | 5.98       | 7.90 | 14:11:01 | 0.64  | 144.9     |
|                                       |         |          |      | 2.0   | 30.06 | 15.94    | 5.9            | 88.1    | 6.09       | 7.90 | 14:25:22 | 0.11  | 159.0     |
|                                       |         |          |      | 1.0   | 30.04 | 15.37    | 5.6            | 87.9    | 6.10       | 7.94 | 13:44:05 | 1.12  | 121.7     |
|                                       |         |          |      | 1.0   | 29.92 | 15.73    | 4.8            | 86.1    | 5.98       | 7.92 | 13:58:43 | 1.47  | 137.7     |
|                                       |         |          |      | 1.0   | 29.96 | 15.56    | 4.8            | 89.3    | 6.20       | 7.92 | 14:12:13 | 0.89  | 105.4     |
|                                       |         |          |      | 1.0   | 30.10 | 15.81    | 5.9            | 89.2    | 6.17       | 7.91 | 14:26:19 | 1.30  | 91.6      |