

ROUTINE WATER QUALITY MONITORING for ESC CMP Vd													
Date: 8 August 2019													
Pos. No.	Easting	Northing	Tide	Depth (m)	Temp.	Salinity	Turbidity(Ntu)	D.O.(%)	D.O.(mg/l)	pH	Time	Speed	Direction
MW1	823599.4	823653.8	Mid Ebb	11.1	26.98	24.24	3.0	58.0	4.03	7.71	8:23:57	0.19	209.6
MW1	823600.5	823653.2	Mid Ebb	11.2	26.88	24.78	2.8	52.6	3.65	7.71	8:24:21	0.16	34.2
MW1	823601.7	823653.3	Mid Ebb	11.1	27.00	22.41	2.9	51.0	3.58	7.72	8:24:50	1.04	352.4
MW1	823601.8	823651.2	Mid Ebb	11.2	27.56	20.54	3.7	58.7	4.13	7.77	8:25:16	0.27	149.3
MW1	823602.9	823649.1	Mid Ebb	11.1	27.72	17.65	3.4	63.0	4.49	7.77	8:25:41	0.18	62.4
MW1	823600.2	823650.1	Mid Ebb	11.0	27.17	23.26	3.0	58.8	4.10	7.72	8:26:05	0.30	149.4
MW1	823599.1	823654.8	Mid Ebb	11.1	26.59	26.21	2.9	50.2	3.48	7.69	8:26:31	0.30	149.4
MW1	823599.4	823660.3	Mid Ebb	11.1	26.09	28.57	3.0	43.4	2.99	7.68	8:26:59	0.65	51.3
ESC-INE3	814581.6	822646.5	Mid Ebb	7.5	26.41	27.48	4.8	41.5	2.87	7.74	9:22:57	1.55	126.2
ESC-INE3	814579.7	822649.8	Mid Ebb	8.7	26.31	27.81	4.7	36.2	2.50	7.74	9:23:45	0.61	0.7
ESC-INE3	814577.4	822650.6	Mid Ebb	7.9	27.38	25.01	4.6	40.6	2.80	7.78	9:26:36	0.42	107.7
ESC-INE3	814577.2	822648.0	Mid Ebb	7.8	26.72	25.97	5.4	34.6	2.40	7.75	9:27:05	0.50	99.8
ESC-INE3	814577.2	822645.4	Mid Ebb	8.1	26.64	26.82	5.5	34.9	2.41	7.74	9:27:30	1.08	147.5
ESC-INE3	814577.2	822645.1	Mid Ebb	8.6	26.45	27.32	5.1	33.4	2.31	7.74	9:27:56	0.32	70.7
ESC-INE3	814578.3	822647.4	Mid Ebb	8.1	26.42	27.46	4.9	34.0	2.35	7.75	9:28:21	0.65	76.7
ESC-INE3	814577.1	822648.8	Mid Ebb	7.2	27.57	20.91	4.6	39.0	2.74	7.82	9:28:54	1.11	131.3
ESC-INE4	814548.4	822132.7	Mid Ebb	5.9	27.85	20.13	4.4	56.9	3.99	7.71	9:39:25	0.59	80.7
ESC-INE4	814548.4	822133.5	Mid Ebb	5.8	27.95	19.56	4.4	55.1	3.87	7.73	9:39:48	1.03	97.0
ESC-INE4	814548.3	822131.6	Mid Ebb	6.0	27.75	20.17	4.8	51.0	3.58	7.72	9:40:09	0.29	261.2
ESC-INE4	814548.1	822130.2	Mid Ebb	6.2	27.63	21.34	5.3	49.2	3.44	7.71	9:40:33	0.80	106.3
ESC-INE4	814547.8	822130.6	Mid Ebb	6.2	27.70	21.00	5.0	49.4	3.46	7.72	9:40:56	0.85	39.2
ESC-INE4	814547.0	822130.7	Mid Ebb	5.9	28.15	18.34	4.9	53.1	3.74	7.76	9:41:18	0.93	100.7
ESC-INE4	814547.1	822129.9	Mid Ebb	6.2	28.15	18.43	4.7	55.0	3.87	7.75	9:41:40	0.35	96.2
ESC-INE4	814545.9	822130.1	Mid Ebb	6.1	28.17	18.28	4.6	55.4	3.90	7.74	9:42:04	0.66	95.3
ESC-INE5	814260.8	821220.4	Mid Ebb	3.5	28.91	13.03	5.3	72.0	5.16	7.80	9:52:07	0.66	110.7
ESC-INE5	814259.7	821223.9	Mid Ebb	3.7	28.84	13.49	5.3	68.0	4.87	7.77	9:52:31	0.09	207.4
ESC-INE5	814256.3	821222.4	Mid Ebb	3.5	28.94	12.11	5.3	68.2	4.91	7.78	9:52:56	0.55	37.0
ESC-INE5	814253.9	821217.7	Mid Ebb	3.6	29.11	11.71	5.2	71.9	5.18	7.80	9:53:19	1.17	127.9
ESC-INE5	814255.3	821213.7	Mid Ebb	3.4	29.10	11.80	5.3	72.6	5.22	7.79	9:53:42	0.92	163.7
ESC-INE5	814257.9	821213.0	Mid Ebb	3.3	29.09	11.83	5.2	72.4	5.21	7.78	9:54:04	0.92	163.7
ESC-INE5	814257.7	821214.1	Mid Ebb	3.5	29.09	11.86	5.3	72.3	5.20	7.78	9:54:35	0.25	136.3
ESC-INE5	814259.6	821214.1	Mid Ebb	3.6	29.14	11.61	5.3	73.0	5.25	7.78	9:54:58	0.56	149.4
ESC-INE2	813973.5	821811.4	Mid Ebb	3.5	29.04	12.07	4.6	78.3	5.63	7.77	10:03:12	0.69	73.3
ESC-INE2	813973.1	821815.1	Mid Ebb	3.6	28.95	13.62	4.9	74.1	5.29	7.75	10:03:36	0.45	35.2
ESC-INE2	813970.2	821813.8	Mid Ebb	3.4	28.12	19.29	5.0	63.5	4.46	7.65	10:04:01	0.37	58.9
ESC-INE2	813964.9	821813.8	Mid Ebb	3.6	28.18	15.64	5.1	55.3	3.95	7.70	10:04:24	0.94	55.3
ESC-INE2	813965.5	821814.8	Mid Ebb	3.4	29.03	12.04	4.9	68.3	4.91	7.80	10:04:46	0.88	94.4
ESC-INE2	813965.6	821815.1	Mid Ebb	3.4	29.05	11.92	4.9	73.8	5.31	7.79	10:05:10	0.50	34.1
ESC-INE2	813968.8	821809.2	Mid Ebb	3.7	29.03	12.08	4.8	74.1	5.33	7.77	10:06:00	0.44	151.7
ESC-INE2	813969.5	821805.5	Mid Ebb	3.4	29.03	12.07	4.7	74.4	5.35	7.77	10:06:23	0.96	55.3
ESC-INE1	814052.4	822440.9	Mid Ebb	7.2	27.14	25.69	4.1	53.1	3.66	7.59	10:14:28	1.53	74.9
ESC-INE1	814052.4	822443.5	Mid Ebb	7.0	27.11	25.69	4.2	44.5	3.06	7.64	10:14:53	0.81	99.0
ESC-INE1	814053.7	822444.8	Mid Ebb	6.9	27.36	23.30	4.3	43.4	3.01	7.68	10:15:15	0.93	91.1
ESC-INE1	814053.8	822444.3	Mid Ebb	7.1	27.39	24.74	4.2	45.0	3.10	7.68	10:15:37	1.13	123.5
ESC-INE1	814053.7	822442.9	Mid Ebb	7.0	27.27	24.32	4.2	43.4	3.00	7.69	10:16:00	0.86	112.4
ESC-INE1	814053.7	822441.5	Mid Ebb	7.1	27.64	22.96	4.2	47.7	3.30	7.71	10:16:23	1.18	104.8
ESC-INE1	814054.0	822437.4	Mid Ebb	7.0	27.47	23.99	4.1	47.7	3.29	7.70	10:16:46	1.24	52.0
ESC-INE1	814050.6	822434.7	Mid Ebb	7.3	27.62	22.49	4.3	50.5	3.51	7.71	10:17:19	1.13	55.9

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Pos. No.	Easting	Northing	Tide	Depth (m)	Temp.	Salinity	Turbidity(Ntu)	D.O.(%)	D.O.(mg/l)	pH	Time	Speed	Direction
ESC-IPe5	812898.4	822041.8	Mid Ebb	4.3	28.69	14.81	3.9	71.7	5.11	7.75	10:26:45	0.74	118.5
ESC-IPe5	812894.7	822041.0	Mid Ebb	4.6	28.75	14.47	3.9	70.3	5.01	7.76	10:27:09	0.95	88.6
ESC-IPe5	812895.8	822042.8	Mid Ebb	4.3	28.48	15.00	4.1	67.1	4.79	7.74	10:27:32	0.90	69.3
ESC-IPe5	812895.1	822044.7	Mid Ebb	4.3	28.73	14.61	3.9	69.8	4.97	7.76	10:27:57	0.32	88.0
ESC-IPe5	812894.4	822045.9	Mid Ebb	4.7	28.65	15.21	4.0	69.3	4.93	7.75	10:28:20	0.34	83.6
ESC-IPe5	812892.9	822045.2	Mid Ebb	4.3	28.67	15.00	4.0	69.2	4.92	7.75	10:28:43	1.29	109.3
ESC-IPe5	812892.9	822045.1	Mid Ebb	4.7	28.53	15.63	4.2	66.3	4.71	7.74	10:29:05	0.64	95.6
ESC-IPe5	812893.1	822046.4	Mid Ebb	4.5	28.65	15.19	4.0	66.5	4.73	7.76	10:29:32	0.57	118.1
ESC-IPe4	812430.4	821716.8	Mid Ebb	4.5	28.69	15.22	4.3	72.2	5.14	7.73	10:37:20	1.14	61.1
ESC-IPe4	812432.0	821712.5	Mid Ebb	4.3	28.66	14.97	4.4	67.4	4.80	7.74	10:37:54	0.85	166.6
ESC-IPe4	812429.4	821715.0	Mid Ebb	4.5	28.79	13.99	4.5	68.9	4.92	7.76	10:38:17	0.80	123.0
ESC-IPe4	812429.5	821720.2	Mid Ebb	4.6	28.53	15.15	4.7	68.4	4.87	7.72	10:38:39	0.62	142.4
ESC-IPe4	812433.4	821718.8	Mid Ebb	4.7	28.67	15.74	4.6	67.2	4.76	7.73	10:39:08	0.70	112.0
ESC-IPe4	812438.6	821717.8	Mid Ebb	4.8	28.48	16.46	4.7	64.1	4.54	7.72	10:39:35	0.70	112.0
ESC-IPe4	812440.0	821723.8	Mid Ebb	4.6	28.67	15.96	4.5	68.2	4.83	7.74	10:40:04	0.36	63.4
ESC-IPe4	812441.6	821730.5	Mid Ebb	4.7	28.55	15.96	4.6	65.2	4.62	7.73	10:40:27	0.50	132.6
ESC-IPe3	811753.5	821896.0	Mid Ebb	3.8	28.40	14.99	6.2	90.1	6.44	7.72	10:51:27	1.03	117.4
ESC-IPe3	811755.4	821894.7	Mid Ebb	3.9	28.58	14.82	7.6	65.8	4.70	7.73	10:52:09	0.78	120.5
ESC-IPe3	811754.3	821895.5	Mid Ebb	4.2	28.38	16.83	8.0	65.2	4.61	7.70	10:52:34	0.50	65.1
ESC-IPe3	811754.0	821896.4	Mid Ebb	4.2	28.39	16.89	8.1	63.4	4.48	7.71	10:53:00	1.00	138.2
ESC-IPe3	811756.5	821896.7	Mid Ebb	4.2	28.30	16.90	8.3	61.2	4.34	7.70	10:53:24	0.96	142.8
ESC-IPe3	811756.4	821896.7	Mid Ebb	3.9	28.57	15.20	8.0	64.4	4.58	7.74	10:53:49	1.04	92.2
ESC-IPe3	811754.8	821894.0	Mid Ebb	4.0	28.61	16.13	7.5	66.4	4.71	7.73	10:54:21	1.27	120.7
ESC-IPe3	811749.5	821893.8	Mid Ebb	4.2	28.41	16.59	7.9	64.4	4.57	7.71	10:54:48	0.57	123.3
ESC-IPe2	810967.4	822266.0	Mid Ebb	5.2	29.14	11.47	5.8	80.9	5.82	7.80	11:08:08	0.56	106.7
ESC-IPe2	810964.8	822265.6	Mid Ebb	4.5	29.20	10.26	5.8	79.6	5.76	7.80	11:08:31	1.11	95.5
ESC-IPe2	810961.4	822269.7	Mid Ebb	4.2	29.24	9.14	6.0	80.1	5.83	7.80	11:08:52	1.05	115.2
ESC-IPe2	810956.4	822274.0	Mid Ebb	4.8	28.32	18.62	6.6	71.8	5.04	7.62	11:09:14	1.26	121.5
ESC-IPe2	810956.2	822276.4	Mid Ebb	5.0	27.99	19.49	12.5	56.8	3.99	7.63	11:09:36	0.97	38.3
ESC-IPe2	810960.8	822273.4	Mid Ebb	4.6	28.07	18.76	15.4	55.5	3.91	7.66	11:10:02	1.41	93.4
ESC-IPe2	810961.9	822270.0	Mid Ebb	4.2	28.65	13.10	10.0	59.1	4.26	7.77	11:10:30	1.43	118.0
ESC-IPe2	810955.4	822275.2	Mid Ebb	4.7	28.31	17.83	6.8	66.4	4.68	7.66	11:11:04	1.18	121.5
ESC-RFE1	808524.0	822762.4	Mid Ebb	4.1	29.36	8.41	6.1	85.4	6.23	7.85	11:28:23	0.55	186.9
ESC-RFE1	808525.5	822758.0	Mid Ebb	4.2	29.22	9.72	6.4	80.0	5.81	7.78	11:28:45	1.13	106.6
ESC-RFE1	808530.3	822749.6	Mid Ebb	4.0	28.89	13.04	5.9	73.8	5.29	7.70	11:29:12	1.38	151.7
ESC-RFE1	808533.8	822744.6	Mid Ebb	3.8	28.75	12.27	5.2	67.9	4.90	7.69	11:29:39	1.10	208.5
ESC-RFE1	808534.0	822747.6	Mid Ebb	4.5	28.60	13.46	5.3	67.6	4.86	7.64	11:30:37	1.39	318.0
ESC-RFE1	808533.7	822750.9	Mid Ebb	4.6	29.00	15.50	6.0	77.2	5.45	7.69	11:31:07	0.31	264.3
ESC-RFE1	808534.1	822752.6	Mid Ebb	3.7	29.03	8.79	5.9	69.3	5.07	7.78	11:31:29	0.25	205.4
ESC-RFE1	808534.3	822754.3	Mid Ebb	4.5	28.68	12.44	5.6	69.4	5.01	7.65	11:31:53	0.36	153.7
ESC-RFE2	808740.5	823068.1	Mid Ebb	4.7	28.32	16.96	5.3	67.4	4.77	7.60	11:38:49	0.70	122.6
ESC-RFE2	808742.8	823066.1	Mid Ebb	4.1	28.44	14.80	5.2	61.6	4.41	7.65	11:39:11	0.42	167.4
ESC-RFE2	808742.0	823069.4	Mid Ebb	4.0	28.69	12.28	5.3	61.5	4.44	7.70	11:39:40	1.15	139.8
ESC-RFE2	808740.3	823070.8	Mid Ebb	4.9	28.10	18.86	5.1	57.7	4.06	7.61	11:40:03	0.81	206.7
ESC-RFE2	808740.3	823072.6	Mid Ebb	4.4	28.61	15.87	5.3	61.0	4.33	7.69	11:40:26	0.54	156.7
ESC-RFE2	808742.8	823068.2	Mid Ebb	4.8	28.13	18.33	5.1	56.8	4.01	7.63	11:40:47	0.89	119.0
ESC-RFE2	808745.0	823060.4	Mid Ebb	4.9	28.01	19.27	5.0	54.3	3.82	7.62	11:41:09	0.29	48.5
ESC-RFE2	808743.7	823053.5	Mid Ebb	4.1	28.26	16.31	5.2	54.0	3.84	7.67	11:41:31	0.91	155.9
ESC-RFE3	808958.6	823389.4	Mid Ebb	4.5	28.33	16.12	5.9	61.6	4.38	7.61	11:47:56	1.11	120.5
ESC-RFE3	808957.7	823391.8	Mid Ebb	4.7	28.35	18.14	4.9	61.0	4.29	7.62	11:48:18	0.55	138.2
ESC-RFE3	808957.0	823396.1	Mid Ebb	4.7	28.49	15.76	4.6	61.8	4.39	7.65	11:48:40	1.10	142.8
ESC-RFE3	808958.9	823394.2	Mid Ebb	4.8	28.21	17.27	4.6	56.6	4.01	7.62	11:49:03	0.85	120.7
ESC-RFE3	808962.1	823387.9	Mid Ebb	4.4	28.45	16.37	4.5	58.6	4.16	7.66	11:49:25	0.70	88.6
ESC-RFE3	808959.0	823384.4	Mid Ebb	4.3	28.48	15.92	4.6	60.2	4.28	7.67	11:49:47	0.36	88.0
ESC-RFE3	808954.4	823381.5	Mid Ebb	4.3	28.51	15.52	4.6	61.5	4.38	7.67	11:50:12	0.51	109.3
ESC-RFE3	808952.7	823383.4	Mid Ebb	4.3	28.52	15.48	4.6	61.9	4.40	7.67	11:50:35	0.48	148.7
ESC-RFE4	809177.6	823714.2	Mid Ebb	5.7	27.60	22.28	4.7	52.9	3.68	7.54	11:59:34	0.31	80.0
ESC-RFE4	809176.9	823712.8	Mid Ebb	5.4	27.72	21.51	4.6	47.8	3.34	7.58	11:59:56	1.00	114.1
ESC-RFE4	809174.2	823713.1	Mid Ebb	5.3	27.81	20.38	4.6	46.2	3.24	7.61	12:00:19	0.54	128.3
ESC-RFE4	809173.9	823712.7	Mid Ebb	5.8	27.57	22.56	4.9	45.6	3.17	7.59	12:00:41	0.46	142.1
ESC-RFE4	809175.7	823712.6	Mid Ebb	5.4	27.74	21.14	4.6	44.8	3.13	7.62	12:01:04	0.89	160.8
ESC-RFE4	809177.4	823713.7	Mid Ebb	5.6	27.74	21.30	4.3	46.2	3.23	7.62	12:01:26	0.47	92.3
ESC-RFE4	809177.2	823713.7	Mid Ebb	5.6	27.71	21.42	4.5	45.3	3.16	7.62	12:01:50	1.37	127.8
ESC-RFE4	809175.2	823711.0	Mid Ebb	5.6	27.55	22.60	5.1	44.0	3.06	7.61	12:02:14	1.37	127.8
ESC-RFE5	809435.1	824009.9	Mid Ebb	7.7	27.22	24.79	6.2	43.7	3.02	7.54	12:10:35	0.46	58.4
ESC-RFE5	809436.8	824006.0	Mid Ebb	7.5	27.20	24.85	6.1	39.3	2.71	7.56	12:10:57	0.13	98.8
ESC-RFE5	809435.2	824005.5	Mid Ebb	7.4	27.25	24.52	5.6	38.7	2.67	7.58	12:11:18	0.51	104.0
ESC-RFE5	809432.3	824005.9	Mid Ebb	7.4	27.35	23.87	4.9	39.3	2.72	7.61	12:11:39	0.48	166.4
ESC-RFE5	809429.2	824004.5	Mid Ebb	7.7	27.33	24.04	5.0	39.0	2.70	7.61	12:12:03	0.39	63.2
ESC-RFE5	809426.0	824002.2	Mid Ebb	7.3	27.26	24.40	5.4	38.0	2.63	7.61	12:12:25	0.30	148.7
ESC-RFE5	809425.7	823998.1	Mid Ebb	7.8	27.24	24.51	5.9	37.6	2.60	7.62	12:12:48	0.34	155.4
ESC-RFE5	809427.9	823992.5	Mid Ebb	7.3	27.29	24.26	5.7	38.1	2.64	7.62	12:13:09	0.56	157.6
ESC-IPe1	811792.2	822305.9	Mid Ebb	4.8	28.32	17.34	5.6	65.0	4.59	7.64	12:28:12	1.05	92.9
ESC-IPe1	811791.1	822304.5	Mid Ebb	4.7	28.30	17.29	5.1	60.8	4.30	7.65	12:28:34	0.90	86.1
ESC-IPe1	811790.7	822304.3	Mid Ebb	4.7	28.29	17.35	4.9	59.6	4.22	7.65	12:28:59	1.08	97.3
ESC-IPe1	811793.1	822305.0	Mid Ebb	4.4	28.34	16.91	4.9	59.5	4.22	7.66	12:29:21	0.92	120.6
ESC-IPe1	811793.3	822305.0	Mid Ebb	4.3	28.39	16.68	4.8	60.0	4.25	7.66	12:29:46	0.06	120.7
ESC-IPe1	811792.0	822303.6	Mid Ebb	4.6	28.30	17.34	4.9	59.6	4.22	7.65	12:30:08	0.75	141.2
ESC-IPe1	811793.7	822300.5	Mid Ebb	4.4	28.30	16.43	5.0	58.6	4.17	7.66	12:30:32	1.35	74.9

ROUTINE WATER QUALITY MONITORING for ESC CMP Vd													
Date: 8 August 2019													
Pos. No.	Easting	Northing	Tide	Depth (m)	Temp.	Salinity	Turbidity(Ntu)	D.O.(%)	D.O.(mg/l)	pH	Time	Speed	Direction
ESC-1PE1	811792.8	822300.9	Mid Ebb	4.5	28.38	16.71	5.1	60.1	4.26	7.66	12:30:56	0.63	92.2