

Table 1a, Round 1 Bundle Piezometers in Dune Vegetation, July / August 2005

BORE HOLE	DEPTH	SWL	EC (uS/cm)	TDS (mg/L)	pH	T (C)	Redox (mV) Er	Redox (mV) Eh	D.O. (ppm)	Comments
BP108	2	1.93	399	259	8.00	17.9	-15	215	1.8	Very light brown, slight turbid to clear, running clear, no odour
	3	2.04	637	414	7.76	17.9	-30	200	0.68	Light brown, turbid, running clear, no odour
	4	2.14	939	610	7.35	18	-247	-17	0.6	Light brown, turbid running clear, slight odour (H ₂ S)
BP109	2	2.14	412	268	7.98	18.6	-65	165	3.74	Light brown, slightly turbid, running clear
	3	2.13	1452	944	7.58	18.4	-208	22	0.58	Light brown, very slight turbidity, slight sulfide odour, running clear
	4	2.09	1572	1022	7.77	18.7	-282	-52	0.38	Light brown, slight turbidity, slight sulfide odour, running clear
BP115	3.5	3.69	2270	1476	6.09	19.4	-258	-28	0.52	Clear/very light brown, very slight turbidity, strong sulfide odour
	5.5	3.61	1344	874	6.05	19	-166	64	1.2	Clear/light brown, slightly turbid, no odour
	6.5	3.62	684	445	7.28	18.8	-152	78	0.71	Clear, no odour

Table 1b, Round 2 Bundle Piezometers in Dune Vegetation, September / October 2005

BORE HOLE	DEPTH	SWL	EC (uS/cm)	TDS	pH	T (C)	Redox (mV) Er	Redox (mV) Eh	D.O. (ppm)	Comments
BP108	2.25	2.08	566	367.9	8.16	21.8	1	231	8.61	Light brown, clear, no odour
	3.25	2.18	950	617.5	7.73	21.3	51	281	3.31	Mid brown, slight turbid, slight sulfide odour
	4.25	2.24	1227	797.55	7.15	20.7	-280	-50	1.82	Dark brown, turbid, sulfide odour
BP109	2.25	--	--	--	--	--	--	--	--	Dry
	3.25	2.20	184	119.7	7.5	20.7	-257	-27	0.95	Light brown, slight turbid, sulfide odour
	4.25	2.20	1893	1230	7.52	22	-279	-49	1.22	Brown, turbid, strong sulfide odour
BP115	3.25	3.77	2370	1541	8.03	23.1	148	378	5.91	Clear, no odour
	5.25	3.72	1711	1112	7.28	21.6	-23	207	4.28	Clear, slight turbid, slight sulfide odour
	6.7	3.69	2770	1801	6.34	21.2	-218	12	2.58	Clear, slight turbid, strong sulfide odour

Table 1c, Interim Round Bundle Piezometers in Dune Vegetation, December 2005

BORE HOLE	DEPTH	SWL	EC (uS/cm)	TDS	pH	T (C)	Redox (mV) Er	Redox (mV) Eh	D.O. (ppm)	Comments
BP108	2.25	--	502	301	7.93	21.4	-110	120	7.12	clear/brown, sulfide odour
	3.25	--	1810	1086	7.46	20.0	-26	204	1.04	clear/brown, sulfide odour
	4.25	--	1893	1136	7.67	19.6	-169	61	1.34	clear/brown, sulfide odour
BP109	2.25	--	507	304	7.59	21.3	-17	213	1.13	clear, no odour
	3.25	--	908	545	7.54	21.2	-6	224	1.09	clear/brown, sulfide odour, QC202
	4.25	--	1203	722	7.23	21.0	-73	157	1.35	clear/brown, sulfide odour
BP115	3.25	--	782	469	7.29	20.1	134	364	1.74	clear, sulfide odour
	4.25	--	1645	987	7.02	19.8	130	360	1.00	clear, sulfide odour
	6.7	--	2770	1662	6.41	19.8	76	306	1.74	clear, sulfide odour

Table 1d, Round 3 Bundle Piezometers in Dune Vegetation, March 2006

BORE HOLE	DEPTH	SWL	EC (uS/cm)	TDS	pH	T (C)	Redox (mV) Er	Redox (mV) Eh	D.O. (ppm)	Comments
BP108	2.25	Dry								Dry, Monument vandalised, top 1m missing, SWL corrected for missing length
	3.25	2.37	12200	7320	7.22	29.3	130	360	--	
	4.25	--								Blocked
BP109	2.25	--								Dry
	3.25	2.36	1678	1007	7.40	25.2	-155	75	1.01	Clear, brown, no odour
	4.25	2.40	1043	626	7.61	24.9	1	231	1.24	Clear, brown, no odour
BP115	3.25	--	847	508	7.23	26.1	59	289	5.17	Clear, brown, no odour
	5.25	--	2630	1578	6.25	23.5	-162	68	0.73	Clear, brown, no odour
	6.7	--	1843	1106	7.14	24.5	-38	192	5.25	Clear, brown, no odour

Table 1e, Intrum Round Bundle Piezometers in Dune Vegetation, July 2006

BORE HOLE	DEPTH	SWL	EC (uS/cm)	TDS	pH	T (C)	Redox (mV) Er	Redox (mV) Eh	D.O. (ppm)	Comments
BP108	2.25									dry
	3.25	2.110	30500	18300	7.31	17.2	-79	151	2.91	very light brown/clear, strong odour
	4.25									destroyed
BP109	2.25	1.940	890	534	8.19	16.1	-2	228	4.43	very light brown/clear, strong odour
	3.25	1.930	1591	955	7.89	17.6	-101	129	3.76	clear, strong odour
	4.25	1.970	2280	1368	7.95	18.4	-189	41	3.52	clear, strong odour
BP115	3.25	3.540	609	365	8.12	15.6	275	505	3.07	light brown, odour
	5.25	3.480	1841	1105	8.26	17.5	137	367	2.56	clear, odour
	6.7	-	2490	1494	6.58	14.0	-144	86	2.49	clear, strong odour. Port blocked - could not measure SWL

Table 1f, Round 4 Bundle Piezometers in Dune Vegetation, September 2006

BORE HOLE	DEPTH	SWL	EC (uS/cm)	TDS	pH	T (C)	Redox (mV) Er	Redox (mV) Eh	D.O. (ppm)	Comments
BP108	2.25									clear, colourless
	3.25		1990	1194	6.70	21.1	88	318	1.14	clear, colourless
	4.25		13280	7968	6.45	20.1	-216	14	1.13	Light brown, slight turbid
BP109	2.25		422	253	8.23	21.9	31	261	4.68	Slight H ₂ S odour
	3.25		1135	681	7.95	19.0	-112	118	0.54	Clear, slight H ₂ S odour
	4.25		2390	1434	7.77	19.2	-238	-8	0.03	Clear, slight H ₂ S odour
BP115	3.25		399	239	7.27	18.9	-25	205	1.10	Clear, odour
	5.25		1610	966	6.70	19.0	-41	189	1.34	Clear, odour
	6.7		2371	1423	6.38	19.4	-159	71	1.33	Clear, strong odour

-- Data not available

Table 2a to 2d
Monitoring Wells in Saltmarsh Beds

Table 2a - Round 1 Monitoring Wells in Saltmarsh Beds, July/August 2005

BORE HOLE	Tide	SWL (cm)	EC (mS/cm)	TDS (mg/L)	pH	T (C)	Redox (mV)	D.O. (mg/L)	Comments
GW01	Low Tide	47.4	42.6	27690	6.75	17.0	147	5.00	Shallow reading
			41.8	27170	7.51	16.8	133	4.95	Deep reading
			30.0	19500	7.38	16.8	91	7.03	Post purge 37.4cm (Tide higher at post purge reading)
GW02		50.01	45.1	29315	7.61	17.0	94	8.08	Shallow 50.1cm
			43.2	28080	7.53	17.0	90	4.22	Deep 87.2cm
			47.5	30875	7.41	17.0	89	3.45	Post purge 42.2cm
GW03		61.3	30.5	19825	7.74	17.5	113	7.07	Shallow 61.3cm
			41.2	26780	7.74	17.5	93	6.48	Deep 89.8cm
			48.6	31590	7.65	17.5	81	7.74	Post purge 59.3cm
GW04		73.8	46.6	30290	805.00	18	83	7.20	Shallow 73.8cm
		43.6	28340	8.09	17.9	65	6.66	Deep 97.3cm	
		43.7	28405	7.97	17.9	42	8.30	Post purge 70.8cm	
GW05	64.2	69.0	44850	8.09	18.6	70	8.10	Shallow 64.2cm	
		43.6	28340	8.12	18.6	71	5.53	Deep 87.0cm	
		46.1	29965	7.87	18.7	9	8.33	Post purge 58.3cm	
GW06	58.2	43.0	27950	7.25	16.7	77	5.57	Shallow 58.2cm	
		40.4	26260	7.60	16.9	67	1.68	Deep 93.1cm	
		42.8	27820	7.20	16.9	66	4.03	Post purge 61.5cm	
GW07	66.8	44.6	28990	7.37	17.1	132	8.26	Shallow 66.8cm	
		44.4	28860	7.97	17.2	123	3.09	Deep 90.5cm	
		29.7	19305	7.36	16.8	119	4.27	Post purge 66.5cm	
GW08	64.4	7.38 ⁺¹	-	8.05	17.7	84	5.53	Shallow 64.4cm	
		5.5 ⁺¹	-	8.14	17.8	75	5.01	Deep 95.4cm	
		45.3	29445	7.80	18.0	48	5.21		
GW09	44.5	46.7	30355	7.34	17.2	67	8.03	Shallow 44.5cm	
		45.2	29380	7.40	17.2	66	5.07	Deep 90.4cm	
		44.2	28730	7.85	17.1	80	6.02	Post purge 44.20cm	
GW10	-	46.6	30290	7.27	17.1	89	6.22	Shallow 48cm	
		40.8	26520	7.11	17.3	88	3.07	Deep 87.4cm	
		45.1	29315	7.15	17.3	43	4.27	Post purge 50.8cm	
GW01	High Tide	12	49.0	31850	8.26	18.8	103	9.11	Shallow 12cm
			47.9	31135	8.01	17.6	99	8.38	Deep 91.90cm
			49.0	31850	8.15	17.8	107	7.59	Post purge 12cm
GW02		20.7	47.5	30875	7.96	17.3	103	8.34	Shallow 20.7cm
			46.9	30485	7.66	17.0	103	5.92	Deep 96.0cm
			48.9	31785	7.83	16.7	92	10.30	Post purge 19cm
GW03		43.4	49.2	31980	7.83	17.2	69	10.49	Shallow 43.4cm
			49.0	31850	7.94	17.4	68	6.12	Deep 92.2cm
			49.0	31850	7.65	17.4	65	7.63	Post purge 46cm
GW04		48.2	41.5	26975	8.10	17.6	66	7.60	Shallow 48.2cm
		-	-	-	-	-	-	No Deep taken	
		29.1	18915	8.01	17.9	64	7.50	Post purge 47.5cm	
GW05	25.2	48.8	31720	8.09	18.2	36	9.07	Shallow 25.2cm	
		48.6	31590	8.07	18.4	34	7.13	Deep 81.6cm	
		48.9	31785	8.02	18.5	44	9.09	Post purge 33.5cm	
GW06	22.1	43.6	28340	7.77	17.0	81	9.80	Shallow 22.1cm	
		44.5	28925	7.80	17.0	84	2.02	Deep 90.7cm	
		43.4	28210	7.69	17.5	57	9.14	Post purge 21.2cm	
GW07	10	45.8	29770	8.30	16.6	72	8.45	Shallow reading 10cm	
		43.6	28340	8.24	18.2	71	8.26	Deep 83.2cm	
		46.9	30485	8.14	18.4	71	7.81	Post purge 10cm	
GW08	18.1	47.7	31005	8.28	18.3	77	9.13	Shallow 18.1cm	
		47.6	30940	8.24	18.4	75	7.61	Deep 94.3cm	
		48.6	31590	8.37	18.4	93	8.24	Post purge 14.5cm	
GW09	*	47.8	31070	8.37	18.1	110	7.97	Shallow 10cm (TOC)/20cm (SWL)	
		48.1	31265	8.28	18.4	94	6.29	Deep 92cm (TOC)/102cm (SWL)	
GW10	7cm above TOC	44.4	28860	8.25	18.2	98	8.87	Shallow 10cm (TOC)/17cm (SWL)	
		44.5	28925	7.70	17.6	96	5.59	Deep 91.2cm (TOC)/98.2cm (SWL)	

NOTES

- +1 8A - likely errors/misreads
- +2 9B Not available SWL above TOC due to high tide

Table 2b - Round 2 Monitoring Wells in Saltmarsh Beds, September 2005

BORE HOLE	Tide	SWL (cm)	EC (mS/cm)	TDS (mg/L)	pH	T (C)	Redox (mV)	D.O. (mg/L)	Comments
GW01	Low Tide	51	30.4	19.76	6.44	20.2	214	6.95	Clear, slightly turbid, no odour
		51	49.6	32.24	7.80	20.4	-15	4.88	
		54.5	49.3	32.05	7.60	20.2	91	4.36	Clear, no odour
GW02		53.2	44.6	28.99	7.62	19.8	116	6.04	Light brown, slightly turbid, no odour
		5.2	50.9	33.09	7.74	20.2	-23	3.57	
		53.4	49.1	31.92	7.46	20.4	91	3.36	Clear, no odour
GW03		68.9	51.8	33.67	7.69	20.1	106	6.49	Brown, turbid, no odour
		--	53.2	34.58	7.80	20.5	-48	0.91	
		68.4	53.7	34.91	7.56	20.6	111	4.12	Clear, no odour
GW04		80.6	27.5	17.88	7.62	20.9	119	4.83	Light brown, slightly turbid, no odour
		--	50.7	32.96	7.54	20.6	53	2.15	
		80.7	48.6	31.59	7.66	20.3	117	4.98	Clear, no odour
GW05		67	34.1	22.17	7.81	21	126	5.81	Light brown, slightly turbid, no odour
		--	46.1	29.97	7.58	20.9	-7	1.62	
		67	38.0	24.70	7.77	21.4	123	3.32	Slow recharge, clear, no odour
GW06		37.2	40.9	26.59	7.47	20.4	117	3.64	Clear, slightly turbid, no odour
		--		0.00					
		66	42.1	27.37	7.23	20.3	114	2.72	Clear, slightly turbid, no odour
GW07		69.6	46.6	30.29	7.38	20.6	108	4.44	Light brown, slightly turbid, no odour
		--	49.4	32.11	7.26	20.5	99	0.41	
		70.3	47.0	30.55	7.22	20.6	74	1.34	Clear, slightly turbid, no odour
GW08		75.3	44.9	29.19	7.72	20.2	56	3.63	Brown, turbid, sulfide odour
		--	44.2	28.73	7.55	20.4	-38	1.71	
		69.9	49.0	31.85	7.58	20.4	74	3.77	Light brown, slightly turbid
GW09		52	49.1	31.92	7.39	20.2	125	3.56	Brown, turbid, no odour
		--	50.9	33.09	7.25	20.4	3	1.98	
		51.8	47.9	31.14	7.30	20.8	109	3.32	Light brown, slightly turbid, no odour
GW10		57.2	49.7	32.31	7.29	20.3	147	6.23	Light brown, slightly turbid, no odour
		--	53.8	34.97	7.01	20.4	136	1.97	
		56.6	51.0	33.15	7.06	20.4	110	2.44	
GW01	High Tide	24.8	46.2	30.03	7.62	21.8	28	5.52	
		--	49.4	32.11	7.50	20.9	37	2.18	Clear with large suspended particles
		25	49.9	32.44	7.39	20.2	73	2.37	
GW02		31	46.6	30.29	7.73	20.2	88	8.38	Clear with large suspended particles
		--	50.7	32.96	7.70	20.3	88	3.08	
		30	49.9	32.44	7.53	20.2	112	3.61	
GW03		50.8	52.7	34.26	7.68	20.2	115	7.38	Clear with large suspended particles
		--	54.6	35.49	7.62	20.4	109	3.42	
		52	53.1	34.52	7.61	20.6	129	4.23	Clear with large suspended particles
GW04		57.3	47.2	30.68	7.75	20.3	127	7.99	Clear, slightly turbid
		--	50.3	32.70	7.67	20.2	96	4.87	
		56	48.0	31.20	7.66	20.3	105	4.56	Clear, slight turbid
GW05		40.8	36.1	23.47	7.82	20.5	105	7.10	Light brown, slight turbid, no odour
		--	41.2	26.78	7.69	20.6	102	1.23	
		--	39.1	25.42	7.75	20.7	141	3.02	Clear, slight turbid, no odour
GW06		37.3	43.0	27.95	7.36	19.9	137	4.79	
		--	44.9	29.19	7.23	19.9	132	1.20	Light brown, slight turbid
		39	44.9	29.19	7.28	19.8	133	1.62	Clear, slight turbid
GW07		37.4	45.7	29.71	7.52	20	118	6.35	
		--	49.7	32.31	7.49	20.1	106	0.59	Clear, slight turbid
		35	49.7	32.31	7.26	20.4	100	3.51	
GW08		41.5	46.5	30.23	7.71	20.4	113	7.38	Light brown, slight turbid
		--	51.3	33.35	7.65	20.4	116	3.62	Light brown, slight turbid
		42.7	48.7	31.66	7.65	20.2	114	3.46	
GW09		18	48.2	31.33	7.39	20.5	122	5.30	Light brown, slight turbid
		--	50.1	32.57	7.30	20.5	112	2.96	Clear
		19.6	50.0	32.50	7.31	20.2	119	3.87	
GW10		25.5	51.3	33.35	7.14	20.2	109	3.27	Light brown, slight turbid
		--	52.2	33.93	7.07	20.3	105	1.60	Clear
		27.5	51.3	33.35	7.07	20.3	116	2.77	

NOTES

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8A - likely errors/misreads
 9B Not available SWL above TOC due to high tide

Table 2c, Interim - Round Monitoring Wells in Saltmarsh Beds, December 2005

BORE HOLE	Tide	Depth	EC (mS/cm)	TDS (mg/L)	pH	T (C)	Redox (mV) Er*	Redox (mV) Eh	D.O. (mg/L)
GW01	Low Tide	Shallow							
		Deep	38.5	23.1	7.93	18.5	34	264	3.95
GW02		Shallow	27.3	16.4	7.54	17.8	2	232	2.34
		Deep	43.7	26.2	7.30	17.7	18	248	2.58
GW03		Shallow							
		Deep	47.3	28.4	7.56	17.2	48	278	3.83
GW04		Shallow							
		Deep	27.9	16.7	7.66	17.0	42	272	4.48
GW05		Shallow							
		Deep	32.7	19.6	7.59	17.0	53	283	6.83
GW06		Shallow							
		Deep	35.4	21.2	7.36	17.8	-75	155	2.47
GW07		Shallow							
		Deep	42.9	25.7	7.29	17.6	42	272	1.52
GW08		Shallow							
		Deep	31.5	18.9	7.39	17.3	100	330	6.03
GW09		Shallow	32.1	19.3	7.53	17.4	82	312	3.85
		Deep	48.1	28.9	7.61	17.3	80	310	4.37
GW10		Shallow							
		Deep	34.4	20.6	7.44	17.5	26	256	4.19
GW01	High Tide	Shallow	51.6	31.0	7.97	17.0	-50	180	5.93
		Deep	51.7	31.0	8.01	17.7	-43	187	6.15
GW02		Shallow	31.4	18.8	7.65	17.7	-13	217	4.15
		Deep	43.4	26.0	7.45	17.6	0	230	4.30
GW03		Shallow	48.1	28.9	7.90	17.0	-19	211	5.68
		Deep	49.5	29.7	7.97	17.0	-19	211	5.06
GW04		Shallow	33.5	20.1	7.80	17.6	-11	219	5.86
		Deep	41.2	24.7	7.65	17.2	-1	229	6.20
GW05		Shallow	33.8	20.3	7.66	17.4	5	235	6.60
		Deep	37.8	22.7	7.65	17.1	3	233	6.80
GW06		Shallow	24.0	14.4	7.57	18.0	5	235	7.30
		Deep	29.0	17.4	7.26	17.2	-151	79	2.75
GW07		Shallow	43.7	26.2	7.25	20.7	-55	175	6.10
		Deep	46.5	27.9	7.39	18.1	-98	132	5.90
GW08		Shallow	28.7	17.2	7.52	19.2	-31	199	6.50
		Deep	32.3	19.4	7.41	17.2	1	231	5.45
GW09		Shallow	49.3	29.6	7.85	18.9	-13	217	6.80
		Deep	50.6	30.4	7.99	17.7	-12	218	6.54
GW10		Shallow	33.2	19.9	7.60	17.9	5	235	5.62
		Deep	40.8	24.5	7.42	17.4	-20	210	5.30

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 230mv).

TDS = EC in $\mu\text{S} \times 0.6$

Table 2d - Round 3 Monitoring Wells in Saltmarsh Beds, March 2006

BORE HOLE	Depth	Tide	EC (mS/cm)	TDS (mg/L)	pH	T (C)	Redox (mV)	D.O. (mg/L)
GW01	Shallow	Low Tide	30.00	18.00	7.28	24.2	100	2.01
	Deep		47.80	28.68	7.60	23.6	154	0.11
GW02	Shallow		31.30	18.78	7.35	24.4	185	2.90
	Deep		49.00	29.40	7.31	23.9	97	2.07
GW03	Shallow		32.50	19.50	7.21	23.6	-32	2.44
	Deep		49.60	29.76	7.17	23.5	-116	1.10
GW04	Shallow		27.50	16.50	7.34	23.1	62	0.85
	Deep		45.40	27.24	7.30	23.0	-34	1.39
GW05	Shallow		29.90	17.94	7.04	24.0	53	2.50
	Deep		0.00	0.00				
GW06	Shallow		27.29	16.37	7.25	23.5	65	2.05
	Deep		43.70	26.22	7.20	23.0	72	0.82
GW07	Shallow		25.40	15.24	7.56	23.7	58	0.36
	Deep		40.00	24.00	7.45	23.5	61	0.54
GW08	Shallow		29.00	17.40	7.72	23.6	43	1.25
	Deep		46.20	27.72	7.66	23.4	45	1.27
GW09	Shallow		44.10	26.46	7.92	23.9	22	2.50
	Deep		47.00	28.20	7.93	23.8	22	2.24
GW10	Shallow		43.60	26.16	7.52	24.7	10	1.64
	Deep		46.30	27.78	7.35	24.2	19	0.93
GW01	Shallow	High Tide	32.90	19.74	7.63	24.0	50	1.63
	Deep		47.90	28.74	7.69	23.6	50	1.76
GW02	Shallow		32.80	19.68	7.21	23.0	13	2.09
	Deep		49.90	29.94	7.12	23.7	24	1.79
GW03	Shallow		32.10	19.26	7.28	23.1	85	2.50
	Deep		50.40	30.24	7.19	23.2	-128	0.28
GW04	Shallow		28.60	17.16	7.37	22.7	76	0.84
	Deep		45.30	27.18	7.33	22.9	77	0.44
GW05	Shallow		31.50	18.90	7.22	22.8	79	2.89
	Deep		48.70	29.22	7.21	23.3	81	2.25
GW06	Shallow		28.20	16.92	7.05	22.6	89	2.02
	Deep		43.10	25.86	6.93	22.6	92	1.72
GW07	Shallow		25.70	15.42	7.15	23.0	71	0.53
	Deep		40.30	24.18	7.04	23.1	73	0.20
GW08	Shallow		28.80	17.28	7.62	22.0	66	0.92
	Deep		45.40	27.24	7.49	23.0	67	0.68
GW09	Shallow		45.00	27.00	7.79	23.6	64	1.68
	Deep		42.90	25.74	7.80	23.4	61	1.18
GW10	Shallow		46.80	28.08	7.34	24.1	80	1.27
	Deep		46.40	27.84	7.27	23.7	74	0.77

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 230mv).

TDS = EC in $\mu\text{S} \times 0.6$

Table 3e - Round 4 Monitoring Wells in Saltmarsh Beds, September 2005

Location		Depth	Date sampled	pH	EC (µS/cm)	TDS (calc)	Er* (mV)	Eh (mV)	Temp (°C)	DO ppm
GW01 Low Tide	Low Tide	S	21-Sep-06							
		D		7.69	43400	26040	-6	224	17.0	2.89
GW02 Low Tide		S	21-Sep-06					230		
		D		7.52	36500	21900	-24	206	16.8	2.69
GW03 Low Tide		S	21-Sep-06							
		D		7.69	20590	12354	-68	162	16.9	0.31
GW04 Low Tide		S	21-Sep-06							
		D		7.74	16090	9654	-28	202	16.8	1.54
GW05 Low Tide		S	21-Sep-06							
		D		7.56	25500	15300	-74	156	17.7	1.15
GW06 Low Tide		S	21-Sep-06							
		D		7.30	28900	17340	-57	173	16.6	1.23
GW07 Low Tide		S	21-Sep-06							
		D		7.07	32300	19380	48	278	16.9	1.01
GW08 Low Tide		S	21-Sep-06							
		D		7.90	26900	16140	26	256	17.3	2.18
GW09 Low Tide		S	21-Sep-06							
		D		7.71	45100	27060	18	248	18.4	2.15
GW10 Low Tide		S	21-Sep-06							
		D		7.48	33400	20040	52	282	19.8	2.59
GW01 High Tide	High Tide	S	21-Sep-06	7.99	43500	26100	8	238	17.6	4.25
		D		7.98	44000	26400	11	241	17.1	3.95
GW02 High Tide		S	21-Sep-06	7.84	26900	16140	11	241	17.4	3.85
		D		7.58	38400	23040	22	252	16.9	2.85
GW03 High Tide		S	21-Sep-06	7.86	14020	8412	16	246	17.0	2.35
		D		7.61	25400	15240	150	380	16.5	0.13
GW04 High Tide		S	21-Sep-06	7.83	11130	6678	-53	177	16.6	2.24
		D		7.67	16000	9600	-49	181	16.1	1.65
GW05 High Tide		S	21-Sep-06	7.66	18000	10800	-24	206	17.0	3.16
		D		7.53	27700	16620	-13	217	16.9	1.67
GW06 High Tide		S	21-Sep-06	7.58	19640	11784	11	241	16.2	3.10
		D		7.24	34630	20778	-188	42	15.4	1.08
GW07 High Tide		S	21-Sep-06	7.49	24000	14400	-42	188	15.4	3.04
		D		7.29	36300	21780	-64	166	14.9	1.13
GW08 High Tide		S	21-Sep-06	7.63	18630	11178	-41	189	14.8	0.20
		D		7.39	29600	17760	-24	206	15.1	2.60
GW09 High Tide		S	21-Sep-06	7.75	46100	27660	6	236	15.3	2.66
		D		7.90	46500	27900	5	235	15.1	2.31
GW10 High Tide		S	21-Sep-06	7.52	22790	13674	14	244	16.2	2.82
		D		7.35	35400	21240	21	251	16.5	2.39

Table 3a
 Baseline Porewater Data
 September 2003 to September
 2005

SAMPLE	DATE	TIME	VOLUME	pH	EC	TDS	Er*	Eh	Temp	DO	COMMENTS
	SAMPLED		REMOVED		(µS/cm)	(calc)	(mV)	(mV)	(°C)	mg/L	
BP42 00.10 H	10-Sep-03	8.50AM	0.5l	7.04	55100	33060	-96	134	13.8	4.2	Slight odour
BP42 00.10 H	23-Mar-04	6.35		6.35	51300	30780	-189	41	22.8	0.19	
BP42 00.10 H	03-Jun-04			7.32	47600	28560	77	307	17	1.73	Sulfur odour. BPDUP01.
BP42 00.10 H	14-Sep-04			7.06	47700	28620	-158	72	15.4	1.69	Clear
BP42H	25-Nov-04		1	6.32	38300	22980	-162	68	19.1	1.62	
BP42H	08-Mar-05		2	7.23	46200	27720	-263	-33	21.9	0.91	Clear
BP42H	07-Jun-05			7.71	45000	27000	135	365	14.4	1.95	Clear, H2S odour
BP42H	06-Sep-05			6.76	48800	29280	232	462	17.3	0.89	clear, no odour
BP42 00.10 L	10-Sep-03	1.25PM	0.5l								Insufficient sample for water quality
BP42 00.10 L	23-Mar-04			6.15	49900	29940	-148	82	23.6	2.71	
BP42 01.00 L	03-Jun-04	Low Tide		6.57	47800	28680	-119	111	19.3	0.95	
BP42 00.10 L	14-Sep-04			6.48	47500	28500	-123	107	18.4	1.59	Clear
BP42L	25-Nov-04		1	6.30	37900	22740	-235	-5	22.5	1.78	
BP42L	08-Mar-05		1	7.23	46700	28020	-292	-62	25.6	2.03	
BP42L	07-Jun-05			7.01	44600	26760	-42	188	17.8	1.62	Clear, odour
BP42L	06-Sep-05			6.93	47700	28620	5	235	18.5	2.25	clear, strong hydrocarbon odour
BP43 00.10 H	10-Sep-03	9.20AM	0.5l	7.28	55800	33480	-71	159	14.8	4.83	
BP43 00.10 H	23-Mar-04			7.21	55400	33240	-65	165	23.6	0.41	
BP43 00.10 H	03-Jun-04	High Tide		6.84	37200	22320	-21	209	17.1	1.50	Strong hydrogen sulfide odour, black sand in sample.
BP43 00.10 H	14-Sep-04			6.35	44400	26640	-112	118	16.0	1.38	Clear
BP43H	25-Nov-04		1	6.24	33100	19860	-53	177	19.9	3.50	
BP43H	08-Mar-05		2	7.73	50100	30060	-220	10	21.8	3.26	Dark grey colour.
BP43H	07-Jun-05			7.51	46000	27600	-94	136	14.0	2.07	Clear
BP43H	06-Sep-05			7.63	51400	30840	36	266	16.0	4.10	clear, slight odour
BP43 00.10 L	10-Sep-03	2.30PM	0.5l								Insufficient sample for water quality
BP43 00.10 L	23-Mar-04			6.72	50900	30540	-46	184	23.8	1.36	
BP43 00.10 L	03-Jun-04	Low Tide		6.18	38500	23100	-37	193	20	0.53	
BP43 00.10 L	14-Sep-04			6.07	42600	25560	-101	129	19.4	1.98	Clear
BP43L	25-Nov-04										Blocked, not sampled.
BP43L	08-Mar-05										Low Tide, dry
BP43L	07-Jun-05			7.11	44600	26760	-113	117	18.0	3.62	Clear, slight H2S odour
BP43L	06-Sep-05			7.08	45800	27480	-68	162	18.7	2.22	clear, strong hydrocarbon odour
BP44 00.10 H	10-Sep-03	9.40AM	0.5l	7.07	56000	33600	-319	-89	15.2	0.24	Black, H2S Odour
BP44 00.10 H	23-Mar-04			7.08	52600	31560	-316	-86	23.6	0.71	Strong H2S odour, black.
BP44 00.10 H	03-Jun-04	High Tide		7.64	48800	29280	-259	-29	17.3	0.26	Strong hydrogen sulfide odour, black.
BP44 00.10 H	14-Sep-04			7.44	52800	31680	-264	-34	16.5	1.22	Clear
BP44H	25-Nov-04		1	7.35	45200	27120	-261	-31	20.1	1.25	
BP44H	08-Mar-05		2	7.49	45900	27540	-282	-52	21.9	0.45	Grey, Black sediments on bottom.
BP44H	06-Sep-05			7.31	48700	29220	-272	-42	17.6	0.45	blocked
BP44 00.10 L	10-Sep-03	2.16PM	0.5l	7.22	54100	32460	-312	-82	17.9	0.39	merky, slight odour
BP44 00.10 L	23-Mar-04			6.61	51500	30900	-301	-71	23.5	0.9	Black
BP44 00.10 L	03-Jun-04	Low Tide		7.70	49000	29400	-257	-27	19.4	0.48	Green-black, odour.
BP44 00.10 L	14-Sep-04			7.29	49700	29820	-225	5	19.4	1.34	Grey/black, H2S odour
BP44L	25-Nov-04		1	7.15	45200	27120	-252	-22	23.6	0.50	
BP44L	08-Mar-05		1	7.40	30400	18240	-315	-85	25.4	0.32	Grey, Slight colour.
BP44L	07-Jun-05			7.30	47000	28200	-219	11	18.2	2.21	Black turbid, slight odour
BP44L	06-Sep-05			7.45	48700	29220	-232	-2	18.7	0.38	merky, strong sulphur odour
BP64 00.10 H	10-Sep-03										not sampled
BP64 00.10 H	23-Mar-04			6.82	45100	27060	-61	169	23.6	0.52	
BP64 00.10 H	03-Jun-04	High Tide		6.10	55600	33360	-86	144	17.4	1.88	Sulfur odour.
BP64 00.10 H	14-Sep-04			7.33	52300	31380	-76	154	16.0	1.31	Clear
BP64H	25-Nov-04		1	7.24	44000	26400	-7	223	19.6	0.86	Clear.
BP64H	08-Mar-05		2	7.23	46200	27720	-263	-33	21.9	0.91	Clear.
BP64H	07-Jun-05			7.20	45100	27060	-196	34	14.3	0.96	Clear
BP64H	06-Sep-05			6.90	30900	18540	27	257	16.8	0.62	clear, slight odour
BP64 00.10 L	10-Sep-03										not sampled
BP64 00.10 L	23-Mar-04			6.34	35000	21000	-67	163	23.2	0.83	
BP64 00.10 L	03-Jun-04	Low Tide		7.18	45600	27360	7	237	20.1	0.87	
BP64 00.10 L	14-Sep-04			7.01	51200	30720	-78	152	22.0	1.03	Clear
BP64L	25-Nov-04		1	7.22	43100	25860	-40	190	23.0	1.69	
BP64L	08-Mar-05		1	7.49	47100	28260	-312	-82	25.8	1.13	
BP64L	07-Jun-05										blocked
BP64L	06-Sep-05			7.45	45000	27000	-138	92	18.3	0.65	clear, strong hydrocarbon odour
BP65 00.10 H	10-Sep-03										not sampled
BP65 00.10 H	23-Mar-04			6.42	35200	21120	-45	185	22.8	0.49	
BP65 00.10 H	03-Jun-04	High Tide		7.43	39900	23940	-13	217	17.1	2.00	Slight hydrogen sulfide odour.
BP65 00.10 H	14-Sep-04			6.01	36600	21960	-93	137	17.1	2.58	Clear, BPDUP02
BP65H	25-Nov-04		1	5.87	31000	18600	-39	191	19.7	2.90	Clear.
BP65H	08-Mar-05		2	6.80	34300	20580	-244	-14	21.7	1.87	Clear.
BP65H	07-Jun-05			5.90	32900	19740	-115	115	14.7	1.08	Clear
BP65H	06-Sep-05			6.15	36900	22140	-20	210	17.5	1.25	clear, slight odour
BP65 00.10 L	10-Sep-03										not sampled
BP65 00.10 L	23-Mar-04			6.42	35200	21120	-45	185	22.8	0.49	
BP65 00.10 L	03-Jun-04	Low Tide		7.38	38200	22820	-118	112	19.3	1.01	
BP65 00.10 L	14-Sep-04			5.88	34800	20880	-100	130	19.2	0.76	Clear, H2S odour
BP65L	25-Nov-04		1	5.69	30300	18180	-182	48	22.7	1.01	
BP65L	08-Mar-05		1	6.21	31100	18660	-291	-61	25.0	1.43	Grey.
BP65L	07-Jun-05			6.01	34500	20700	-64	166	17.7	1.30	Light turbidity, slight odour
BP65L	06-Sep-05			5.91	35500	21300	-81	149	18.6	0.93	clear, strong hydrocarbon odour
BP66 00.10 H	10-Sep-03										not sampled
BP66 00.10 H	23-Mar-04			6.24	38100	22860	-163	67	21.4	0.60	
BP66 00.10 H	03-Jun-04	High Tide		6.72	34500	20700	-129	101	18.3	1.98	Clear, no odour.
BP66 00.10 H	14-Sep-04			6.85	39400	23640	-77	153	16.2	1.58	Clear, no odour
BP66H	25-Nov-04		1	6.80	37600	22560	-163	67	20.1	1.99	Clear.
BP66H	08-Mar-05		2	6.65	39500	23700	-240	-10	21.9	1.15	Clear.
BP66H	07-Jun-05			7.02	39700	23820	-71	159	14.5	2.80	Clear, H2S solvent
BP66H	06-Sep-05			6.99	44100	26460	-31	199	17.7	1.07	clear, slight odour
BP66 00.10 L	10-Sep-03										
BP66 00.10 L	23-Mar-04			5.95	36900	22140	-64	166	22.1	0.90	
BP66 00.10 L	03-Jun-04	Low Tide		6.65	35300	21180	-91	139	19.3	1.46	
BP66 00.10 L	14-Sep-04			6.74	37500	22500	-80	150	20.0	1.46	Clear, no odour
BP66L 0.1	25-Nov-04		1	6.15	34100	20460	-189	41	23.4	1.23	Clear.
BP66L	08-Mar-05		1	5.97	35400	21240	-248	-18	25.4	1.82	
BP66L	07-Jun-05			6.81	38800	23280	-96	134	18.3	1.73	Clear
BP66L	06-Sep-05			6.75	42200	25320	-14	216	19.0	2.14	clear, slight hydrocarbon odour

Table 3b Interim Round, Estuary Porewater Physical Parameters, December 2005

Location	Depth	Date sampled	Volume (L) Removed	pH	EC (µS/cm)	TDS (calc)	Er* (mV)	Eh (mV)	Temp (°C)	DO ppm	Comments
BP01	0.75	1-Dec-05	0.5	7.44	31300	18780	-20	210	19.6	3.93	clear, very slight VCH odour
	1.25		0.5	7.76	8910	5346	-40	190	19.3	1.87	clear, very slight VCH odour
	2		0.5	7.00	39000	23400	-60	170	19.5	1.79	clear, very slight VCH odour
	6		0.5	5.36	28400	17040	-4	226	19.3	1.50	clear, very slight VCH odour
	10		0.5	4.70	12300	7380	-1	229	19.3	1.60	clear, very slight VCH odour
BP42H	0.1	1-Dec-05	0.5	6.53	54000	32400	-91	139	18.6	1.22	QC206
	0.5		0.5	6.73	56300	33780	-61	169	19.1	1.17	
	2		0.5	0.62	50900	30540	-137	93	18.9	1.15	
BP42L	0.1	1-Dec-05	0.5	7.12	55900	33540	-85	145	22.8	4.62	clear, very slight VCH odour
	0.5		0.5	6.98	56300	33780	-17	213	20.3	4.52	clear, very slight VCH odour
	2		0.5	6.33	44100	26460	-156	74	19.8	4.87	clear, very slight VCH odour
BP43H	0.1	1-Dec-05	0.5	7.31	50200	30120	-151	79	19.1	1.23	
	0.5		0.5	6.70	43900	26340	-128	102	19.5	0.64	
	2		0.5	6.67	22090	13254	-113	117	19.7	1.31	
BP43L	0.1	1-Dec-05	0.5	6.84	51000	30600	-130	100	19.1	3.47	clear, very slight VCH odour
	0.5		0.5	6.68	50200	30120	-105	125	20.8	1.85	clear, very slight VCH odour
	2		0.5	6.47	50300	30180	-92	138	21	1.33	clear, very slight VCH odour
BP44H	0.1	1-Dec-05	0.5	6.81	53800	32280	-250	-20	20.6	0.64	
	0.5		0.5	6.45	51600	30960	-118	112	20.4	0.87	
	2		0.5	6.56	13320	7992	-32	198	19.9	1.07	
BP44L	0.1	1-Dec-05	0.5	7.10	53700	32220	-308	-78	19.6	0.48	black, slightly turbid, sulphide odour
	0.5		0.5	7.11	52300	31380	-248	-18	19.7	0.76	black, slightly turbid, sulphide odour
	2		0.5	6.92	15320	9192	-190	40	19.1	1.27	clear, very slight VCH odour
BP64H	0.1	1-Dec-05	0.5	7.45	50300	30180	-161	69	18.4	1.22	QC207
	0.5		0.5	7.30	49200	29520	-160	70	18.3	0.77	
	2		0.5	6.33	36000	21600	-47	183	18.3	1.14	
BP64L	0.1	1-Dec-05	0.5	7.09	50700	30420	-138	92	21.9	1.34	clear, very slight VCH odour
	0.5		0.5	7.26	49000	29400	-148	82	21	1.57	clear, very slight VCH odour
	2		0.5	6.51	35200	21120	-45	185	21	1.81	clear, very slight VCH odour
BP65H	0.1	1-Dec-05	0.5	6.62	48300	28980	-80	150	18.8	1.51	
	0.5		0.5	6.46	44900	26940	-80	150	18.8	1.61	
	2		0.5	6.67	44800	26880	-117	113	18.9	1.39	
BP65L	0.1	1-Dec-05	0.5	6.28	49100	29460	-59	171	20.2	1.55	clear, very slight VCH odour
	0.5		0.5	6.30	44200	26520	-66	164	19.8	1.21	clear, very slight VCH odour
	2		0.5	6.67	45100	27060	-134	96	19.4	1.05	clear, very slight VCH odour
BP66H	0.1	1-Dec-05	0.5	7.31	49500	29700	-80	150	20.6	1.21	
	0.5		0.5	7.01	48900	29340	-72	158	20.4	1.05	
	2		0.5	6.99	49900	29940	-63	167	20.3	1.55	
BP66L	0.1	1-Dec-05	0.5	5.83	48300	28980	-35	195	19.5	3.22	clear, very slight VCH odour
	0.5		0.5	6.31	49600	29760	-65	165	19.4	-	clear, very slight VCH odour
	2		0.5	6.46	50300	30180	-56	174	19.0	3.02	clear, very slight VCH odour
BP71AL	1	1-Dec-05	0.5	6.34	29100	17460	-102	128	19.0	2.75	clear
	4		0.5	6.95	46000	27600	-96	134	-18.9	2.30	clear

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 230mv).

TDS = EC in µS x 0.6

Table 3c Round 3, Estuary Porewater Physical Parameters, March 2006

Location	Depth	Date sampled	Volume (L) Removed	pH	EC (µS/cm)	TDS (calc)	Er* (mV)	Eh (mV)	Temp (°C)	DO ppm	Comments
BP01	0.75	7-Mar-06	2.0	7.69	21800	13080	49	279	25.2	2.69	Clear-black, no odour
	1.25		2.0	7.67	27200	16320	30	260	24.8	0.98	Clear-brown, no odour
	2		2.0	7.16	41200	24720	-27	203	25.7	0.81	Clear-brown, HC odour
	6		2.0	5.56	41800	25080	1	231	26.2	1.13	Clear-brown, HC odour
	10		2.0	4.74	10910	6546	-90	140	25.7	0.81	Clear-brown, HC odour
BP071A	1	7-Mar-06	2.0	6.26	31700	19020	-90	140	25.0	1.22	Clear
	4		2.0	7.24	44500	26700	-69	161	24.2	0.96	Clear
BP042_L	0.1	7-Mar-06	2.0	7.19	29500	17700	-83	147	25.2	3.86	Clear, HC odour
	0.5		2.0	6.82	48900	29340	-32	198	23.8	0.75	Clear, HC odour
	2		2.0	6.33	43000	25800	-189	41	24.1	1.04	Clear, HC odour. QC203
BP042_H	0.1	7-Mar-06	2.0	6.75	47000	28200	-91	139	28.2	1.18	Clear, HC odour
	0.5		2.0	7.14	47900	28740	-36	194	27.3	1.10	Clear, HC odour
	2		2.0	5.95	40200	24120	-210	20	25.7	0.78	Clear, HC odour
BP043_L	0.1	7-Mar-06		7.37	43300	25980	-123	107	24.5	0.63	Clear, HC odour
	0.5		2.0	6.66	37600	22560	-166	64	23.5	0.71	Clear, HC odour
	2		2.0	6.33	19960	11976	-66	164	24.3	0.78	Clear, HC odour
BP043_H	0.1	7-Mar-06	2.0	7.38	45900	27540	-143	87	26.9	0.64	Clear, HC odour
	0.05		2.0	7.00	39100	23460	-102	128	26.5	1.00	Clear, HC odour
	2		2.0	6.17	19930	11958	-90	140	25.8	0.90	Clear, HC odour
BP044L	0.1	7-Mar-06	2.0	6.73	48300	28980	95	325	24.0	1.03	Clear, HC odour, sediment present in sample
	0.5		2.0	6.13	10510	6306	171	401	23.5	1.59	Clear, HC odour
	2		2.0	7.23	46900	28140	-315	-85	23.8	0.23	Clear, HC odour
BP044_H	0.1	7-Mar-06	2.0	7.53	46700	28020	-127	103	27.4	1.06	Clear, HC odour
	0.5		2.0	7.58	44800	26880	-270	-40	26.2	0.47	Clear, HC odour
	2		2.0	6.59	12880	7728	-156	74	25.2	1.05	Clear, HC odour
BP064L	0.1	7-Mar-06	2.0	7.23	42600	25560	-84	146	24.7	1.11	Clear, HC odour
	0.5		2.0	7.34	45300	27180	-190	40	23.6	0.92	Clear, HC odour. QC202, QC501
	2		2.0	6.84	365	219	-72	158	23.6	8.02	Clear, HC odour
BP064_H	0.1	7-Mar-06	2.0	7.39	46200	27720	-193	37	27.3	0.79	Clear, slight odour
	0.5		2.0	7.67	3900	2340	-61	169	27.8	0.02	Clear, slight odour
	2		2.0	5.76	34500	20700	-69	161	26.9	1.65	Clear, slight odour
BP065_L	0.1	7-Mar-06	2.0	6.26	37300	22380	-61	169	24.5	1.17	Clear, HC odour
	0.5		2.0	6.26	37800	22680	-62	168	24.5	1.05	Clear, HC odour
	2		2.0	6.96	40400	24240	-95	135	23.5	1.00	Clear, HC odour
BP065_H	0.1	7-Mar-06	2.0	6.59	39600	23760	-39	191	27.5	1.91	Clear, HC odour
	0.5		2.0	6.11	38400	23040	-88	142	26.4	1.64	Clear, HC odour. QC205, QC505
	2		2.0	7.25	40200	24120	-68	162	27.2	1.68	Clear-orange, Clear, HC odour
BP066_L	0.1	7-Mar-06	2.0	6.88	45600	27360	-87	143	23.7	1.28	Clear, HC odour
	0.5		2.0	6.96	43200	25920	-67	163	23.8	1.60	Clear, HC odour
	2		2.0	6.78	44000	26400	-76	154	23.1	1.14	Clear, HC odour
BP066_H	0.1	7-Mar-06	2.0	7.02	44500	26700	-62	168	27.4	1.62	Clear, HC odour
	0.5		2.0	7.04	43700	26220	-37	193	27.4	1.77	Clear, HC odour
	2		2.0	7.11	43800	26280	-21	209	28.0	1.69	Clear, HC odour

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 230mv).

TDS = EC in µS x 0.6

Table 3d Interim Round, Estuary Porewater Physical Parameters, June 2006

Location	Depth	Date sampled	Volume (L) Removed	pH	EC (µS/cm)	TDS (calc)	Er* (mV)	Eh (mV)	Temp (°C)	DO ppm	Comments
BP01	0.75	6-Jun-06	2.0	6.98	-	14340	8604	263	493	13.8	light brown, turbid, odour
	1.25	6-Jun-06	2.0	6.98	-	27500	16500	262	492	14.1	light brown, turbid, odour
	2	6-Jun-06	2.0	7.01	-	47000	28200	256	486	14.8	light brown, turbid, odour
	6	6-Jun-06	2.0	6.98	-	42200	25320	262	492	14.6	light brown, turbid, odour
BP071A	10	6-Jun-06	2.0	6.94	-	11720	7032	256	486	15.5	light brown, turbid, odour
	1	6-Jun-06	2.0	6.64	2.34	42900	25740	-119	111	14.4	light brown, turbid, odour
BP042_L	4	6-Jun-06	2.0	6.49	0.83	40300	24180	-132	98	15.2	light brown, turbid, odour
	0.1	6-Jun-06	2.0	6.77	4.82	50100	30060	-118	112	13.8	brown, turbid, odour
BP042_H	0.5	6-Jun-06	2.0	6.79	1.92	51300	30780	-119	111	141.0	brown, turbid
	2	6-Jun-06	2.0	6.08	1.42	45500	27300	-208	22	14.4	brown, turbid
BP042_H	0.1	6-Jun-06	2.0	6.49	2.19	50300	30180	-78	152	15.9	brown, turbid
	0.5	6-Jun-06	2.0	6.30	2.03	53500	32100	-55	175	16.1	brown, turbid
	2	6-Jun-06	2.0	5.66	2.12	45100	27060	-94	136	16.6	brown, turbid
BP043_L	0.1	19-Jun-06	2.0	7.00	6.89	31700	19020	-37	193	12.2	BP43 not sampled on 6/06/06 due to damage. Sampling is of replacement well
	0.5	6-Jun-06	2.0	6.97	6.40	36700	22020	-97	133	12.8	replacement well
BP043_H	2										blocked
	0.1	19-Jun-06	2.0	7.38	2.00	39300	23580	-113	117	16.0	BP43 not sampled on 6/06/06 due to damage. Sampling is of replacement well
BP043_H	0.05	6-Jun-06	2.0	7.36	1.90	37500	22500	-130	100	15.7	replacement well
	2										blocked
BP044L	0.1	6-Jun-06	2.0	7.16	0.31	44400	26640	-256	-26	14.6	brown, turbid, odour
	0.5	6-Jun-06	2.0	7.11	0.14	48500	29100	-317	-87	14.2	brown, turbid, odour
	2	6-Jun-06	2.0	7.00	0.40	12270	7362	-182	48	15.1	brown, turbid, odour
BP044_H	0.1	6-Jun-06	2.0	6.95	2.28	45400	27240	-215	15	15.8	brown, turbid, odour
	0.5	6-Jun-06	2.0	6.99	2.45	50800	30480	-226	4	16.0	brown, turbid, odour
	2	6-Jun-06	2.0	7.06	2.55	13300	7980	-140	90	16.4	brown, turbid, odour
BP064L	0.1	6-Jun-06	2.0	7.41	1.89	46000	27600	-199	31	14.1	brown, turbid, odour
	0.5	6-Jun-06	2.0	7.71	1.84	46400	27840	-99	131	14.0	brown, turbid, odour
	2	6-Jun-06	2.0	6.93	2.02	39300	23580	-183	47	14.3	brown, turbid, odour
BP064_H	0.1	6-Jun-06	2.0	7.19	2.48	46500	27900	-133	97	15.7	brown, turbid, odour
	0.5	6-Jun-06	2.0	7.31	2.36	49400	29640	-102	128	15.8	brown, turbid, odour
	2	6-Jun-06	2.0	6.55	2.32	41300	24780	-78	152	16.0	brown, turbid, odour
BP065_L	0.1	6-Jun-06	2.0	6.14	1.39	42300	25380	-100	130	14.1	brown, turbid, odour
	0.5	6-Jun-06	2.0	6.21	1.04	44000	26400	-96	134	15.1	brown, turbid, odour
	2	6-Jun-06	2.0	6.58	1.32	28100	16860	-79	151	15.7	brown, turbid, odour
BP065_H	0.1	6-Jun-06	2.0	6.55	2.23	44500	26700	-70	160	15.7	brown, turbid, odour
	0.5	6-Jun-06	2.0	6.27	2.24	45700	27420	-71	159	15.9	brown, turbid, odour
	2	6-Jun-06	2.0	6.58	2.24	45600	27360	-59	171	16.2	brown, turbid, odour
BP066_L	0.1	6-Jun-06	2.0	6.96	1.67	47200	28320	-111	119	14.8	brown, turbid, odour
	0.5	6-Jun-06	2.0	6.94	1.74	48500	29100	-93	137	14.9	brown, turbid, odour
	2	6-Jun-06	2.0	6.83	1.48	47700	28620	-82	148	15.5	brown, turbid, odour
BP066_H	0.1	6-Jun-06	2.0	6.98	2.47	47900	28740	-93	137	15.7	brown, turbid, odour
	0.5	6-Jun-06	2.0	6.97	2.29	50500	30300	-73	157	16.1	brown, turbid, odour
	2	6-Jun-06	2.0	7.07	2.40	48800	29280	-51	179	16.3	brown, turbid, odour

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 230mv).

TDS = EC in µS x 0.6

Table 3e Round 4, Estuary Porewater Physical Parameters, September 2006

Location	Depth	Date sampled	Volume (L) Removed	pH	EC (µS/cm)	TDS (calc)	Er* (mV)	Eh (mV)	Temp (°C)	DO ppm	Comments
BP01_L	0.75	21-Sep-06		7.30	4330	2598	-88	142	17.8	4.51	Turbid, slight odour
	1.25			7.88	1816	1090	-109	121	17.3	2.08	Turbid, slight odour
	2			6.64	20770	12462	-116	114	18.2	3.31	Turbid, odour
	6			5.72	8520	5112	-153	77	17.9	1.89	Turbid, slight odour
	10			4.82	12920	7752	-127	103	17.8	2.12	Clear, no odour
BP42_L	0.1	21-Sep-06		7.33	42000	25200	72	302	21.6	4.60	Clear, slight odour
	0.5			7.12	40700	24420	69	299	20.9	3.01	Clear, slight odour
	2			6.03	41100	24660	20	250	20.2	1.40	Clear, slight odour. QC117/QC407
BP42_H	0.1	21-Sep-06		7.16	43700	26220	166	396	18.1	2.86	Clear, slight odour
	0.5			7.04	41100	24660	165	395	17.3	3.74	Clear, slight odour
	2			6.03	42200	25320	125	355	16.7	3.03	Clear, slight odour. QC112
BP43_L	0.1	21-Sep-06		7.05	42900	25740	-5	225	20.9	4.86	Clear, odour
	0.5			6.10	37000	22200	-13	217	19.5	1.85	Clear, slight odour
	2			7.10	47000	28200	-12	218	19.1	1.01	Clear, slight odour
BP43_H	0.1	21-Sep-06		7.39	48100	28860	-43	187	18.0	1.95	Clear, slight odour
	0.5			6.57	39400	23640	-73	157	17.3	1.28	Clear, slight odour
	2			7.09	48300	28980	-58	172	17.6	1.43	Turbid, slight odour
BP44_L	0.1	21-Sep-06		7.06	43100	25860	-57	173	20.0	0.81	Turbid, H2S odour
	0.5			7.39	46900	28140	-260	-30	19.5	0.22	Turbid, H2S odour
	2			6.36	13600	8160	-195	35	19.2	1.04	Clear, H2S odour
BP44_H	0.1	21-Sep-06		7.31	47500	28500	-195	35	19.5		Clear to grey, H2S odour
	0.5			7.46	49400	29640	-285	-55	19.2		Clear to grey, H2S odour
	2			7.04	11970	7182	-173	57	18.7		Clear to grey, H2S odour
BP64_L	0.1	21-Sep-06									parameters not recorded
	0.5			5.32	39700	23820	-97	133	18.9	2.23	Clear, slight odour
	2			6.82	41500	24900	-98	132	18.9	1.70	Clear, slight odour
BP64_H	0.1	21-Sep-06		6.66	43900	26340	91	321	17.3	1.88	Clear, odour
	0.5			7.02	43000	25800	85	315	17.5	1.74	Clear, slight odour
	2			5.50	41500	24900	85	315	17.7	1.99	Clear, slight odour
BP65_L	0.1	21-Sep-06		6.24	42400	25440	-56	174	18.7	2.06	Clear, no odour
	0.5			5.71	41800	25080	-54	176	18.4	1.13	Clear, no odour
	2			7.01	4360	2616	-53	177	18.3	1.04	Clear, no odour. QC118
BP65_H	0.1	21-Sep-06		6.36	43600	26160	74	304	17.5	1.87	Clear, slight odour
	0.5			5.76	42800	25680	67	297	17.5	1.28	Clear, slight odour. QC113/QC405
	2			7.00	44700	26820	64	294	17.4	3.15	Clear, no odour
BP66_L	0.1	21-Sep-06		6.92	45000	27000	-59	171	20.0	2.11	Clear, no odour
	0.5			6.79	45400	27240	-60	170	19.2	1.62	Clear, no odour
	2			6.82	46900	28140	-56	174	19.0	1.64	Clear, no odour
BP66_H	0.1	21-Sep-06		7.03	46900	28140	40	270	19.9	2.01	Clear, no odour
	0.5			6.83	46300	27780	32	262	19.2	1.44	Clear, no odour
	2			6.89	48300	28980	31	261	18.8	1.48	Clear, no odour. QC115/QC406
BP71A_L	1	21-Sep-06		7.56	24700	14820	-63	167	17.7	3.23	Clear, slight odour
	4			5.88	39500	23700	-42	188	17.5	2.20	Clear, odour

Er = oxidation reduction (redox) potential as measured with a platinum electrode and silver/silver chloride reference electrode

Eh = redox potential relative to the standard hydrogen electrode. (Eh = Er + 230mv).

TDS = EC in µS x 0.6