

8.63 Loddon physico-chemical and nutrients results

Tang Tang Swamp Water quality results Physico-chemical 1997-2002

<i>Date</i>	<i>pH</i>	<i>Conductivity EC</i>	<i>Turbidity NTU</i>	<i>Temperature °C</i>	<i>Dissolved Oxygen mg/l</i>	<i>Cloud Cover %</i>	<i>Average Depth (cm)</i>	<i>Wind Condition</i>
2-Sep-97	7.71	513	87	13.5	6.6	80	40	N
7-Oct-97	7.38	733	189	14.6	4.23	95	60	E
5-Nov-97	8.16	867	240	17.7	3.45	0	50	NE
2-Dec-97	8.1	1160	171	19.5	5.29	40	35	SW
14-Jan-98	9.74	4590	294	25.1	18.25	60	5	N
5-Feb-98	8.44	20000	999	20.8	5.2	10	1	Still
							0	Dry for 8 months
24-Nov-98	7.62	575	162	28.4	7.25	10	13	W
17-Dec-98	8.94	2230	652	25.9	7.73	90	12	Still
							0	Dry for 8 months
8-Sep-99	7.01	690	89	13.7	5.64	80	10	NW
1-Oct-99	8.12	940	591	16.1	6.95	10	2	Still
							0	Dry for 2 months
19-Jan-00	7.94	940	36	25.6	7.42	50	5	S
							0	Dry for 7 months
4-Aug-00	6.32	589	47	9.4	3.34	15	45	Still
31-Aug-00	6.94	660	15	9.7	6.85	60	30	N
3-Oct-00	6.01	622	13	12	1.14	0	50	N
1-Nov-00	6.51	479	112	17.9	3.6	100	70	N
6-Dec-00	7.07	488	31	19.7	5.24	80	53	SW
3-Jan-01	7.7	700	74	28.5	19.9	1	35	SE
8-Feb-01	7.4	1000	234	26	5.65	0	17	N
6-Mar-01	8.5	2600	849	22	12.9	0	2	NE
6-Apr-01	9.0	5300	848	20	12.4	0	1	Still
8-Jun-01	8.1	3900	565	12	0.9	80	1	SW
4-Jul-01	8.8	3600	999	6	10.7	0	1	WNW
							0	Dry for 1 month
4-Sep-01	6.3	1000	91	14	0.5	95	7	SW
15-Oct-01	8.0	1400	209	18	0.3	70	1	W
14-Nov-01	8.6	1300	195	18	8.1	0	1	SSW
							0	Dry for 7 months
10-Jul-2002	8.28	1200	132	6.4	7.01	0	5	Still
2-Aug-2002	9.27	1530	140	16.4	13.25	50	5	NE

Tang Tang Swamp 1997-2002

Water quality results - nutrients

Water Quality Results Nutrients	<i>ORTHO PHOSPHATE mg/litre</i>	<i>PHOSPHATE TOTAL mg/litre</i>	<i>TOTAL OXIDISED NITROGEN mg/litre</i>	<i>KJELDAHL NITROGEN mg/litre</i>
7-Oct-97	0.155	0.92	0.005	0.025
14-Jan-98	0.008	0.67	0.005	17.6
		20 month gap	in data – dry period	
1-Oct-99	0.06	0.426	0.003	3.5
19-Jan-00	0.402	1.09	0.02	5.6
4-Aug-00	0.218	0.44	0.06	2.3
3-Oct-00	0.676	1.2	0.05	3.2
3-Jan-01	0.594	2.2	0.03	7.8
6-Apr-01	0.026	1.6	0.02	41
10-Jul-02	0.006	0.12	0.02	2.6
		Swamp has	remained dry since	Aug 2002

Merin Merin Swamp Water quality results Physico-chemical 1997-2002

<i>Date</i>	<i>pH</i>	<i>Conductivity EC</i>	<i>Turbidity NTU</i>	<i>Temperature °C</i>	<i>Dissolved Oxygen mg/l</i>	<i>Cloud Cover %</i>	<i>Average Depth (cm)</i>	<i>Wind Condition</i>
9-Jul-97	9.58	778	78	8	9.91	90	5	SW
5-Aug-97	9.5	791	45	9.3	11.2	40	3	NE
2-Sep-97	9	299	315	15.9	9.63	90	15	N
7-Oct-97	8.09	320	563	15.6	9.12	90	20	E
5-Nov-97	8.7	450	908	21.5	7.17	5	12	NE
2-Dec-97	8.85	980	999	24.1	6.3	50	5	SW
							0	Dry for 7 months
6-Aug-98	8.13	214	-	11.1	11.75	1	6	E
3-Sep-98	8.3	399	-	13.4	7.1	100	4	N
8-Oct-98	8.31	187	-	17.6	8.42	100	6	S
16-Nov-98	8.94	334	-	25.2	14.81	40	2	SW
							0	Dry for 9 months
8-Sep-99	6.82	97	180	9.6	2.3	30	31	N
1-Oct-99	7.39	180	485	14.7	3.09	1	28	NE
18-Nov-99	7.79	305	590	15.8	7.35	70	16	NE
10-Dec-99	8.2	514	982	20	6.93	40	9	SW
							0	Dry for 7 months
31-Aug-00	7.91	183	625	10.9	11.67	80	10	Sw
3-Oct-00	7.79	176	333	14	5.19	100	20	Sw
1-Nov-00	7.6	206	193	16	10.15	100	50	N
6-Dec-00	7.5	258	238	22	10.4	25	19	SW
3-Jan-01	7.8	460	130	32	13.5	5	9	SE
							0	Dry for 17 months
4-Jul-2002	6.15	790	70	7.8	5.15	30	1	NE

Merin Merin Swamp 1997-2002
Water quality results - nutrients

Water Quality Results Nutrients	<i>ORTHO PHOSPHATE mg/litre</i>	<i>PHOSPHATE TOTAL mg/litre</i>	<i>TOTAL OXIDISED NITROGEN mg/litre</i>	<i>KJELDAHL NITROGEN mg/litre</i>
9-Jul-97	0.006	0.108	0.025	2.5
7-Oct-97	0.064	0.43	0.15	0.025
8-Oct-98	0.122	0.228	0.54	0.005
		12 month gap	In data – dry period	
1-Oct-99	0.012	0.198	0.02	2.9
19-Jan-00	0.03	0.214	0.02	2.3
3-Oct-00	0.036	-	0.21	3.5
3-Jan-01	0.036	0.326	0.02	3.4
15-Oct-01	0.15	0.9	0.04	5.25
4-Jul-02	0.016	0.074	0.02	1.4
		Swamp has	remained dry since	Aug 2002