

Water Chemistry of Cootes Paradise Marsh (CP1)

	Depth (cm)	DO (mg/l)	% Saturation	Secchi (cm)	Secchi as a % of depth	Temp (C)	Chl-A (ug/l)	pH	Conductivity	TSS (mg/l) seston	VSS (mg/l) Org SuspSed	Inorg Sus Sed (mg/l)	Ammonia (mg/l)	TKN (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	TP (mg/l)	TP ug/L	Turbidity (FTU)	E Coli (#/100ml)
1973				23.52			160.38													
1974																				
1975							132.33			108.83										
1976																				
1977				17			84.90													
1978				18.55			94.57													
1979*		9	102	26		19	93.21		575	152.3			0.224	2.62	0.064	0.288	0.2870			258
1980*		10	115	26		20	109.34	8.06	575	57			0.15	1.61	0.07	0.72	0.2090			1057
1981*		10	104	20		20	100.9						0.8				0.1520			
1982*		9	100	16		18	109.64						0.11	0.73	0.05					
1983*		10	105	18		21	98.89						0.2	0.4	0.023		0.1610			
1984				22			58													
1985							86.95													
1986				17.33			41.6	8.04		60.14			0.34	4.79	0.03	0.64				3617.14
1987				23.5			86.92	8.2		81.2			0.70	1.69	0.01	0.78	0.2129			640
1988				18.38			17.88		558.1	78.28			0.25	3.38		0.60	0.2715			
1989				17.5			61.44			72.02			0.17	3.33		0.64	0.2788			
1990				21.7			54.42			83.3			0.05	4.91		1.18	0.2390			
1991				24.11			62.61			76.56			0.04	1.70		1.22	0.2753	275.27		
1992				23			64.45			90.95			0.05	1.63		0.53	0.2670	267.00		
1994				16.44			64.43			89.68			0.14	2.67			0.1929	192.89	71.11	
1995				23.8			53.31			79.2			0.05	1.53		0.60	0.1700	170		
1996				36.25			60.01		643.75	66.75	16.13	50.63	0.05	2.61	0.02	0.38	0.1868	186.75		
1997				66.75			16.63			17.95			0.08	1.12		0.26	0.0853	85.3		
1998	70.5	11.09		36.73	63.05	20.64	42.04	8.41	718.18	38.2	14.64	23.45	0.04	1.46	0.05	0.60	0.1722	172.18		
1999	48.5	8.25	92.57	33.75	69.13	21.88	65.17	8.25	718.33	53.83	13.5	40.17	0.04	1.6	0.01	0.63	0.2733	273.33		
2000	90.625	7.57	89.43	29.5		19.625	68.33	8.61	681.67	46.11	14.56	31.56	0.07	0.97	0.04	0.21	0.1510	151		109.75
2001	79.64	5.67		31.27	40.27	19	48.27	8.46	744.82	68.88	17.36	51.45	0.06	1.71	0.05	0.38	0.2180	218		291.09
2002	97.7	9.7	109.7	44.3	44.16	21.7	40.6	8.50	732.4	71.4	15.3	56	0.03	1.58	0.06	0.37	0.1665	166.5		54.6
2003	85.8	8.7	103	45.1	54.52	22.3	51.8	8.50	829.6	39.86	14.3	26.4	0.04	1.31	0.04	0.58	0.1719	171.9		491.7
2004	94.9	10.38	109.63	33.4	36.20	22.22	30.9	8.46	759.3	53.68	15.1	38.6	0.04	1.82	0.03	0.45	0.1507	150.7		139.5
2005	71.09	12		33.73	47.48	25.8	65.36	8.38	829.09	61.68	19.91	42.73	0.03	1.65	0.02	0.36	0.2078	207.82		203.55
2006	69.1	8.5		35	48.04	24.83	35.77	8.45	811.55	51.96	15.91	36.09	0.05	1.54	0.02	0.78	0.1574	157.36		722.45
2007	48.9			27.6	58.33	22.5		8.48	832.4	77.69	21.9	55.9	0.02	1.91	0.03	0.29	0.2670	267		29.1
2008	87.36	10.18		41.36	53.76	20.91		8.46	816.18	34.3	11.09	23.36	0.03	1.19	0.04	0.59	0.1123	112.3		463.18
2009	107.36	8.17	82.92	35.5	36.96	18.58		8.34	760.25	44.94	8.83	36.08	0.07	1.01	0.03	0.69	0.1280	128		1019.67
2010	67.8	9.5	110.5	35.2	54.60	22.4		8.397	786.5	40.21	11.7	28.5	0.07	1.1		0.542	0.1394	139.4		
2011	93.64	5.8		38.91	41.96	20.91		8.34	797.82	44.3	10.73	33.73	0.05	1.22	0.05	0.53	0.1287	128.73		460.91
2012	59.82	8.45	97	31.82	53.26	21.09		8.32	932.82	49.15	10.36	38.73	0.08	1.08	0.04	0.44	0.1381	138.09	29.94	235
2013	83.18	8.55	92.64	47.82	58.01	20.27	16.85	8.41	787.82	21.58	7.27	13.91	0.04	0.93	0.03	0.44	0.0820	82	12.78	425.91
2014	83.7	8.6	90.35	50.9	60.32	19.4		8.62		38.14	7.95	30.2	0.04		0.03	0.36	0.1080	107.95	22.70	414.55
2015	89.44	8.50	94.70	59.82	73.01	20.43		8.63		22.76	6.13	16.63	0.02		0.03	0.29	0.0813	81.32	10.32	107.95
2016	71.5	8.89	98.17	47.14	61.64	20.70	34.42	8.20		30.78	9.1	21.69	0.04		0.04	0.33	0.1087	108.68	12.03	159.55

*measurements from July only; all others are annual averages