

South East Queensland Water Quality Objectives Review

Consultation Draft Water Quality Data

Noosa River Basin - Basin 140

Noosa River - Lower Estuary and Enclosed Coastal Waters

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem		Percentiles
		Total P	Filterable Reactive P	Total N	Oxidised N	Ammonium N	Turbidity	Total Suspended Solids	Secchi	Chlorophyll-a	Electrical Conductivity	pH	
		(µg/L)					(NTU)	(mg/L)	(m)	(µg/L)	(µS/cm)	(%)	for DO(%) and Secchi (m)
Existing WQO for Moderately Disturbed waters	20											8	90
	Median	15	2	240	6	15	4	15	1.8	1.8	N.A.		
	80											8.4	105
Lower Noosa Estuary	10	5	1	100	1	1	1	3	1.4	0.3		7.9	90
	20	8	1	120	1	2	1	3	1.7	0.5		8.0	93
	40	10	1	140	2	5	2	5	2.0	0.7		8.1	97
	50	11	1	150	3	7	2	6	2.1	0.9		8.2	99
	70	13	2	210	6	13	4	9	2.6	1.2		8.2	102
	80	14	3	250	11	18	5	10	3.1	1.5		8.3	105
Count		383	383	383	383	381	590	32	632	470		660	660

Noosa River - Mid Estuary Waters

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem		Percentiles
		Total P	Filterable Reactive P	Total N	Oxidised N	Ammonium N	Turbidity	Total Suspended Solids	Secchi	Chlorophyll-a	Electrical Conductivity	pH	
		(µg/L)					(NTU)	(mg/L)	(m)	(µg/L)	(µS/cm)	(%)	for DO(%) and Secchi (m)
Existing WQO for Moderately Disturbed waters	20											7.8	85
	Median	16	2	380	15	32	8	20	1.1	2.5	N.A.		
	80											8.3	105
Existing WQO for High Ecological Value waters	20	10	2	150	2	7	2	20	1.1	0.8		8	85
	Median	13	2	240	5	15	5	20	1.6	1.5		8.2	95
	80	16	2	380	15	32	8	20	2	2.5		8.3	105
All Sub-catchments combined	10	7	1	140	1	3	2	4	0.6	0.6		7.6	89
	20	9	1	170	1	5	3	6	0.8	0.8		7.8	91
	40	11	1	240	4	11	5	10	1.1	1.2		8.0	95
	50	12	1	280	5	15	6	12	1.2	1.3		8.1	97
	70	15	1	350	10	24	10	18	1.8	2.0		8.2	102
	80	17	1	410	16	33	14	27	2.1	2.5		8.2	105
Count		1439	1439	1439	1439	1436	1799	95	1749	1568		1807	1817
Lake Cooribah	10	7	1	180	1	3	6	7	0.5	0.7		7.3	89
	20	10	1	208	3	6	7	10	0.6	1.1		7.6	91
	40	12	1	280	6	13	10	16	0.8	1.4		7.9	96
	50	14	1	310	8	16	12	17	0.9	1.7		8.0	98
	70	17	1	410	22	25	16	23	1.1	2.3		8.1	102
	80	18	1	470	32	39	21	29	1.3	2.8		8.2	104
Count		300	300	300	300	299	389	32	389	373		386	388
Lake Weyba	10	7	1	210	1	3	2	3	0.5	0.6		7.7	91
	20	8	1	250	1	6	3	5	0.6	0.8		7.8	94
	40	11	1	300	2	12	6	8	0.9	1.2		8.0	97
	50	12	1	330	3	17	7	12	1.0	1.5		8.1	100
	70	15	1	390	6	30	12	30	1.2	2.2		8.2	105
	80	17	1	440	10	47	16	49	1.4	2.7		8.2	109
Count		459	459	459	459	458	539	31	530	542		546	551
Lower Noosa Estuary	10	7	1	110	1	3	2	4	0.9	0.5		7.7	87
	20	9	1	136	1	5	3	5	1.1	0.7		7.9	90
	40	11	1	180	4	10	4	8	1.5	1.1		8.1	93
	50	12	1	210	6	13	5	9	1.6	1.3		8.1	96
	70	15	1	290	11	19	7	13	2.0	1.8		8.2	100
	80	17	3	350	18	26	9	15	2.2	2.3		8.3	103
Count		396	396	396	396	395	592	32	597	381		593	594
Lower Weyba Creek	10	6	1	140	1	3	1		1.5	0.5		7.8	89
	20	9	1	160	2	6	2		1.7	0.7		7.9	91
	40	10	1	180	4	11	3		2.0	0.9		8.1	95
	50	11	1	210	5	14	3		2.2	1.1		8.1	96
	70	13	1	260	8	22	4		2.5	1.4		8.1	100
	80	14	2	300	11	28	5		2.8	1.8		8.2	102
Count		284	284	284	284	284	279	I.D.		233		272	282
Stumers Creek	10	12	1	195	1	7	4	5	0.3	0.6		6.5	74
	20	15	1	234	3	10	7	6	0.3	1.2		6.7	79
	40	21	3	368	6	16	8	8	0.3	1.8		7.2	85
	50	24	3	417	8	27	9	10	0.4	2.0		7.5	90
	70	27	4	541	17	42	15	11	0.4	2.9		7.8	97
	80	33	4	613	33	72	21	14	0.5	3.5		8.0	103
Count		42	42	42	42	42	43	42	42	43		43	43

Noosa River - Upper Estuary Waters

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem		Percentiles
		Total P	Filterable Reactive P	Total N	Oxidised N	Ammonium N	Turbidity	Total Suspended Solids	Secchi	Chlorophyll-a	Electrical Conductivity	pH	
		(µg/L)					(NTU)	(mg/L)	(m)	(µg/L)	(µS/cm)	(%)	for DO(%) and Secchi (m)
Existing WQO for Moderately Disturbed waters	20											7.4	85
	Median	20	2	750	43	72	22	25	0.5	5	N.A.		
	80											8.1	105
All Sub-catchments combined	10	6	1	240	1	4	6	3	0.4	0.6		6.8	85
	20	8	1	290	2	6	8	6	0.5	0.9		7.1	88
	40	11	1	360	7	13	12	11	0.6	1.4		7.5	92
	50	13	1	400	12	17	14	13	0.7	1.7		7.7	95
	70	18	1	540	34	31	22	20	1.0	2.5		7.9	99
	80	20	1	620	45	53	31	24	1.2	3.5		8.0	103
Count		769	769	769	769	766	1233	64	1240	891		1238	1242

South East Queensland Water Quality Objectives Review

Consultation Draft Water Quality Data

Noosa River Basin - Basin 140

Noosa River - Upper Estuary Waters continued

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem		Percentiles for DO(%) and Secchi (m)
		Total P	Filterable Reactive P	Total N (µg/L)	Oxidised N	Ammonium N	Total Suspended Solids (mg/L)	Secchi (m)	Chlorophyll-a (µg/L)	Electrical Conductivity (µS/cm)	pH	Dissolved Oxygen (%)	
Existing WQO for Moderately Disturbed waters	20												
	Median	20	2	750	43	72	22	25	0.5	5	N.A.	7.4	85
	80											8.1	105
Lake Cootharaba	10	5	1	260	1	4	4	2	0.3	0.5		6.9	90
	20	8	1	310	1	5	7	4	0.6	0.8		7.2	92
	40	11	1	382	5	11	13	8	0.7	1.4		7.6	96
	50	14	1	420	12	15	17	13	0.7	1.8		7.7	98
	70	19	1	580	34	31	27	20	1.0	2.8		7.9	102
	80	22	1	680	45	60	38	34	1.3	4.3		8.0	106
Count	467	467	467	467	465	634	32.0	649	518		644	646	Count
Upper Noosa Estuary	10	7	1	220	2	6	7	7	0.4	0.8		6.6	80
	20	9	1	260	3	10	8	9	0.5	1.1		7.0	84
	40	11	1	330	8	16	12	12	0.7	1.5		7.5	89
	50	13	1	360	12	20	14	14	0.8	1.7		7.6	90
	70	17	1	480	33	31	19	20	0.9	2.4		7.9	95
	80	19	1	560	44	50	24	24	1.1	2.8		8.0	98
Count	302	302	302	302	301	599	32.0	591	373		594	596	Count

Noosa River - Lowland Freshwaters and Wallum

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem		Percentiles for DO(%) and Secchi (m)
		Total P	Filterable Reactive P	Total N (µg/L)	Oxidised N	Ammonium N	Total Suspended Solids (mg/L)	Secchi (m)	Chlorophyll-a (µg/L)	Electrical Conductivity (µS/cm)	pH	Dissolved Oxygen (%)	
Existing WQO for Moderately Disturbed waters	20												
	Median	0.05	0.02	0.5	0.06	0.02	20	6	N.A.	5	500	5	85
	80											7	110
All Sub-catchments combined	10	4	1	170	2	5	0.1	1			80	4.5	20
	20	5	1	252	3	10	1	1			84	4.8	30
	40	10	4	320	8	14	1	3			114	5.5	50
	50	16	5	370	21	18	1	4	I.D.		138	5.9	I.D.
	70	30	11	486	71	25	3	7			200	6.4	80
	80	40	16	608	139	30	4	9			230	6.6	90
Count	152	91	135	90	92	99	69	2	222	222	4	Count	
Cooroibah	10	25	1	404	1	9				144	5.5	20	
	20	28	1	428	2	11				180	5.8	30	
	40	34	2	524	4	22				215	6.0	50	
	50	46	3	640	4	25	N.D.	N.D.		229	6.0	N.D.	
	70	61	4	712	7	30				275	6.4	80	
	80	67	4	734	13	47				294	6.4	90	
Count	11	10	11	10	11	0	0		23	23	0	Count	
Kin Kin Creek/Cootharaba	10	17	1	230	2	8				140	5.7	20	
	20	22	3	270	7	10				151	6.0	30	
	40	28	4	350	28	12				175	6.4	50	
	50	30	4	375	48	14	I.D.	I.D.		189	6.5	N.D.	
	70	39	5	460	111	24				218	6.7	80	
	80	47	5	590	128	32				246	6.9	90	
Count	24	22	24	22	22	2	2	0	50	50	0	Count	
Southern Noosa Coastal Draining freshwaters	10	27	11	672	4	3				240	5.3	20	
	20	43	14	800	5	13				455	6.4	30	
	40	88	31	894	11	18				700	6.7	50	
	50	100	72	1600	620	28	N.D.	N.D.		725	6.9	N.D.	
	70	158	105	1740	950	32				855	7.0	80	
	80	176	132	2040	1280	43				894	7.2	90	
Count	11	11	11	11	11	0	0	0	11	11	0	Count	
Teewah Creek	10	3	1	151	8	3	0.5	1		75	4.4	20	
	20	4	1	169	15	9	0.7	1		79	4.5	30	
	40	5	2	250	22	14	1	2		81	4.7	50	
	50	5	2	270	27	16	1	3		82	4.7	N.D.	
	70	7	3	322	35	18	2	5		85	4.9	80	
	80	10	3	360	37	18	2	7		87	5.0	90	
Count	55	12	44	12	12	57	50	0	73	73	0	Count	
Upper Noosa River	10	3	1	158	1	3	1	2		89	4.8	20	
	20	7	1	184	1	4	2	3		106	5.1	30	
	40	8	1	276	2	5	3	5		120	5.6	50	
	50	9	1	300	3	6	4	5		127	5.7	N.D.	
	70	10	2	353	3	9	6	9		136	5.8	80	
	80	11	3	374	5	11	8	12		144	6.0	90	
Count	24	11	18	10	11	13	13	0	37	37	0	Count	
Weyba	10	19	5	298	3	8	0.1			100	6.3	20	
	20	20	8	348	3	13	0.1			126	6.5	30	
	40	29	12	408	6	21	0.2			192	6.8	50	
	50	30	14	460	72	22	0.8	I.D.		200	6.8	I.D.	
	70	40	17	558	159	30	4			290	7.0	80	
	80	41	21	624	246	38	6			305	7.3	90	
Count	26	25	26	25	25	26	3	2	27	27	4	Count	

I.D. - Insufficient Data

N.D. - No Data

N.A. - Not Applicable