

South East Queensland Water Quality Objectives Review

Water Quality Indicator Percentiles

Lockyer Creek Basin - Basin 1432

Lockyer Creek - Lowland Freshwaters

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 (µg/L)	Ammonium N (µg/L)	Turbidity (NTU)	Total Suspended Solids (mg/L)	Secchi (m)	Chlorophyll-a (µg/L)	Electrical Conductivity (µS/cm)	pH	Dissolved Oxygen (%)		Sulfate as SO ₄ (mg/L)
Existing WQO for Moderately Disturbed waters	20										6.5	85			
	Median	50	20	500	60	20	6	6	N.A.	5	1120				
	80										8	110			
All Sub-catchments	10	20	1	307	1	1	2	4		4	233	6.9	41	3	20
	20	33	3	540	1	2	4	6		5	338	7.2	48	4	30
	40	57	9	720	5	5	5	10		8	499	7.6	70	6	50
	50	75	20	800	10	9	7	13		9	643	7.7	79	8	60
	70	126	76	1000	86	20	20	22		12	1032	8.0	94	16	80
	80	164	111	1148	210	36	50	50		13	1666	8.2	118	22	90
	Count	386	150	362	146	150	151	98		35	326	335	50	96	Count
Buaraba Creek	10	10	1	158	1	1					124	6.2			20
	20	16	1	240	2	1					141	6.5			30
	40	27	4	518	9	4					277	6.8			50
	50	33	4	720	10	7	I.D.	I.D.		N.D.	357	6.9	N.D.	I.D.	60
	70	54	5	953	52	15					468	7.3			80
	80	74	6	1052	149	28					499	7.4			90
	Count	102	20	100	20	20	3	3		0	42	41	0	3	Count
Laidley Creek	10	40	63	459	7	5	2	3			209	7.0		3	20
	20	55	68	590	14	9	2	6			259	7.2		3	30
	40	97	103	780	50	20	4	9			394	7.5		4	50
	50	113	120	850	68	38	5	13		I.D.	438	7.6	N.D.	5	60
	70	158	169	1114	183	54	75	70			511	7.9		6	80
	80	206	234	1289	645	110	171	326			613	7.9		6	90
	Count	125	23	113	20	25	28	31		2	53	53	0	31	Count
Tenthill Creek	10	40	1	656	1	1					712	7.7			20
	20	53	1	690	1	1					752	7.9			30
	40	58	1	860	4	1					1055	8.0			50
	50	70	2	980	4	3	N.D.	N.D.		N.D.	1679	8.0	N.D.	N.D.	60
	70	75	6	1100	10	6					5500	8.1			80
	80	86	9	1220	10	7					11060	8.2			90
	Count	11	11	11	11	11	0	0		0	16	16	0	0	Count
Woolshed and Plain Creeks	10	33	1	564	1	1					937	7.4			20
	20	40	1	606	1	1					1546	7.6			30
	40	67	4	850	1	3					3664	7.9			50
	50	103	8	930	1	3	N.D.	N.D.		N.D.	6940	8.2	N.D.	N.D.	60
	70	137	19	1200	4	6					13758	8.5			80
	80	150	28	1540	8	11					19982	8.7			90
	Count	22	22	22	22	22	0	0		0	44	48	0	0	Count
Lower Lockyer Creek	10	35	7	579	1	2	3	5		5	276	7.0	41	4	20
	20	47	14	638	2	4	4	6		5	323	7.3	48	5	30
	40	78	38	720	12	7	6	10		8	453	7.7	70	8	50
	50	94	59	770	31	14	8	13		9	631	7.8	79	11	60
	70	150	84	970	221	30	15	19		12	833	7.9	94	21	80
	80	214	117	1100	310	42	41	23		14	1030	8.1	118	26	90
	Count	108	60	100	59	58	114	58		31	141	147	50	58	Count
Upper Lockyer Creek	10	16	1	229	1	1					486	7.2			20
	20	20	1	300	1	1					885	7.4			30
	40	26	2	404	1	3					1076	7.6			50
	50	39	3	500	2	5	I.D.	I.D.		I.D.	1201	7.7	N.D.	I.D.	60
	70	50	6	711	3	5					2090	7.9			80
	80	73	11	886	7	8					4416	8.0			90
	Count	15	13	14	13	13	3	3		2	27	27	0	1	Count

Lockyer Creek - Upland Freshwaters

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem			Percentiles for DO(%)	
		Total P	Filterable Reactive P	Total N (µg/L)	Oxidised N (µg/L)	Ammonium N (µg/L)	Turbidity (NTU)	Total Suspended Solids (mg/L)	Secchi (m)	Chlorophyll-a (µg/L)	Electrical Conductivity (µS/cm)	pH	Dissolved Oxygen (%)		Sulfate as SO ₄ (mg/L)
Existing WQO for Moderately Disturbed waters	20										6.5	90			
	Median	30	15	250	40	10	5	6	N.A.	2	1120				
	80										8.2	110			
All Sub-catchments combined	10	19	4	138	3	1	1	3			361	7.1		3	20
	20	28	6	210	6	3	2	5			424	7.4		5	30
	40	61	12	310	11	8	4	7			577	7.7		9	50
	50	81	17	390	18	11	5	8		N.D.	722	7.8	N.D.	11	60
	70	110	40	597	84	16	9	18			1180	8.1		17	80
	80	140	67	798	325	21	24	32			1565	8.1		31	90
	Count	180	144	157	144	144	117	119		0	278	273	0	120	Count
Flagstone Creek	10	64	8	210	5	1					1420	7.1			20
	20	72	11	214	7	1					1500	7.2			30
	40	78	17	328	18	6					1632	7.4			50
	50	80	25	420	21	7	I.D.	I.D.		N.D.	1658	7.7	N.D.	I.D.	60
	70	112	39	477	29	9					1696	7.7			80
	80	130	48	520	57	13					1718	7.8			90
	Count	13	12	12	12	12	2	2		0	26	26	0	2	Count
Laidley Creek	10	86	62	159	87	5	1	3			282	7.3		3	20
	20	100	68	209	218	6	2	4			373	7.5		5	30
	40	120	75	420	356	8	3	6			430	7.7		8	50
	50	120	82	504	492	10	4	9		N.D.	464	7.8	N.D.	11	60
	70	143	90	856	913	14	6	11			561	8.0		13	80
	80	214	98	1180	1068	17	11	28			588	8.1		18	90
	Count	43	22	39	22	22	30	30		0	54	54	0	30	Count

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Water Quality Indicator Percentiles

Lockyer Creek Basin - Basin 1432

Lockyer Creek - Upland Freshwaters continued.

Sub-Basin	Percentile	Nutrients					Turbidity		Productivity		Phys-Chem			Percentiles for DO(%)	
		Total P	Filterable Reactive P	Total N (µg/L)	Oxidised N	Ammonium N	Turbidity (NTU)	Total Suspended Solids (mg/L)	Secchi (m)	Chlorophyll-a (µg/L)	Electrical Conductivity (µS/cm)	pH	Dissolved Oxygen (%)		Sulfate as SO ₄ (mg/L)
Existing WQO for Moderately Disturbed waters	20														
	Median	30	15	250	40	10	5	6	N.A.	2	1120	6.5	90		
	80											8.2	110		
Ma Ma Creek Sub-catchment	10	47	9	227	2	2					967	7.5		20	
	20	59	11	292	3	6					1426	7.6		30	
	40	84	17	318	5	12					1676	7.8		50	
	50	100	21	350	8	15	24	43		N.D.	1771	8.0	N.D.	25	60
	70	182	29	613	11	25					1922	8.1			80
	80	206	30	744	14	35					1997	8.1			90
	Count	15	12	12	12	12	5	5	0	28	28	0	5	Count	
Murphy's Creek	10	29	3	108	3	5					387	7.1		20	
	20	34	4	128	8	7					420	7.4		30	
	40	47	6	194	10	10					519	7.6		50	
	50	51	9	210	11	12	I.D.	I.D.		N.D.	722	7.8	N.D.	I.D.	60
	70	59	11	494	18	20					873	8.0			80
	80	90	14	646	23	30					891	8.2			90
	Count	10	9	9	9	9	1	3	0	36	34	0	3	Count	
Sandy Creek - Grantham	10	10	1	110	4	3					497	7.0		20	
	20	10	2	134	4	6					530	7.1		30	
	40	16	3	190	6	8					545	7.5		50	
	50	17	3	200	6	9	N.D.	N.D.		N.D.	559	7.5	N.D.	N.D.	60
	70	18	3	260	8	14					596	7.7			80
	80	28	4	260	10	17					621	7.9			90
	Count	11	11	11	11	11	0	0	0	24	24	0	0	Count	
Tenthill Creek	10	55	12	79	2	1	1	5			323	7.0		15	20
	20	69	15	106	4	1	1	6			360	7.0		33	30
	40	82	28	242	21	4	4	10			426	7.7		58	50
	50	86	36	310	57	6	5	14		N.D.	538	7.9	N.D.	62	60
	70	110	66	945	1095	16	14	22			1430	8.2		74	80
	80	150	70	1480	1480	18	19	30			1694	8.3		82	90
	Count	33	32	29	32	32	23	22	0	51	50	0	23	Count	
Upper Lockyer Creek	10	18	4	237	4	3	2	2			512	7.5		4	20
	20	20	5	270	7	5	3	5			689	7.8		5	30
	40	24	8	336	10	10	4	7			891	7.9		8	50
	50	32	9	428	13	13	5	8		N.D.	931	8.0	N.D.	9	60
	70	52	13	573	29	17	9	13			1154	8.1		12	80
	80	85	24	620	47	33	24	25			1185	8.1		14	90
	Count	52	46	45	46	46	53	54	0	56	54	0	54	Count	

I.D. - Insufficient Data
N.D. - No Data
N.A. - Not Applicable