Quirindi Sewage Treatment Plant - Environment Protection Licence 806

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Quirindi Sewage Treatment Plant - EPL 806 - Yearly Summaries

Point 1 Yearly Summary 2021/22

Point 2 Yearly Summary 2021/22

(Note that monitoring frequency is quarterly or less, so only a yearly summary will be meaningful)

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median		Comments
Biological Oxygen Demand5	mg/L	-	Monthly	26	2	56	5.2	2		
Total Suspended Solids	mg/L	-	Monthly	26	5	32.0	10.8	7		
pH	pH Value	-	Monthly	13	8.0	8.4	8.2	8.13		
Total Nitrogen	mg/L	-	Monthly	13	3.10	21.60	12.6	12.60		
Total Phosphorus	mg/L	-	Monthly	13	1.17	6.40	4.56	4.69		
Conductivity	uS/cm	-	Monthly	13	1.08	1.46	1.23	1.23		

Point 1 Yearly Summary 2020/21

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median	90%ile Calculation	Exceedences (yes/no)	Count of 90 percentile exceedances	Exceedance acceptable limit	Comments
Biological Oxygen Demand5	mg/L	20	Fortnightly	26	2	10	5.6	5	9	no	0	3	within allowable 90%ile. Exceedances due to algae within maturation ponds
Total Suspended Solids	mg/L	30	Fortnightly	26	7.00	118.00	47.8	46.00	70	yes	22	3	exceeded 90 percentile limit due to high Algae content in maturation ponds
Oil & Grease	mg/L	10	Fortnightly	26	5.00	11.00	5.2	5.00	5	yes	1	3	within allowable 90%ile. The cause of the high oil and greese is undetermined
pH	pH Value	-	Fortnightly	26	8.13	9.63	9.0	9.40		-			
Ammonia as Nitrogen	mg/L	-	Fortnightly	26	0.01	0.36	0.1	0.10		-			
Nitrates + Nitrites as Nitrogen	mg/L	-	Fortnightly	26	0.01	1.77	0.30	0.10		-			
Kjeldahl Nitrogen	mg/L	-	Fortnightly	26	1.40	9.10	3.7	3.40		-			
Total Nitrogen	mg/L	-	Fortnightly	26	1.80	7.50	4.0	4.00		-			
Total Phosphorus	mg/L	-	Fortnightly	26	0.54	2.57	1.31	1.09					
Conductivity	uS/cm	-	Fortnightly	26	1.00	1.31	1.1	1.17		-			
Faecal Coliforms	cfu/100mL	-	Fortnightly	26	2.00	260	58	35		-			

Point 2 Yearly Summary 2020/21

(Note that monitoring frequency is quarterly or less, so only a yearly summary will be meaningful)

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median		Comments
Biological Oxygen Demand5	mg/L	-	Monthly	26	2	23	4.4	3		
Total Suspended Solids	mg/L	-	Monthly	26	5	41.0	12.2	11		
pH	pH Value	-	Monthly	13	7.9	8.4	8.2	8.19		
Total Nitrogen	mg/L	-	Monthly	13	7.10	27.60	15.7	15.00		
Total Phosphorus	mg/L	-	Monthly	13	1.86	6.03	4.45	4.42		
Conductivity	uS/cm	-	Monthly	13	0.96	1.63	1.24	1.24		

Quirindi Sewage Treatment Plant - EPL 806 - Yearly Summaries

Point 1 Yearly Summary 2019/20

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median	90%ile Calculation	Exceedences (yes/no)	Count of 90 percentile exceedances	Exceedance acceptable limit	Comments
Biological Oxygen Demand5	mg/L	20	Fortnightly	26	2	12	6.1	6	9	no	0	3	within allowable 90%ile. Exceedances due to algae within maturation ponds
Total Suspended Solids	mg/L	30	Fortnightly	26	19.00	88.00	46.7	42.50	76	yes	21	3	exceeded 90 percentile limit due to high Algae content in maturation ponds
Oil & Grease	mg/L	10	Fortnightly	26	5.00	9.00	5.5	5.00	7	no	0	3	within allowable 90%ile. The cause of the high oil and greese is undetermined
pH	pH Value	-	Fortnightly	26	8.70	9.60	9.2	9.23		-			
Ammonia as Nitrogen	mg/L	-	Fortnightly	26	0.01	1.07	0.1	0.01		-			
Nitrates + Nitrites as Nitrogen	mg/L	-	Fortnightly	26	0.01	1.45	0.2	0.01		-			
Kjeldahl Nitrogen	mg/L	-	Fortnightly	26	1.50	6.00	3.1	2.90		-			
Total Nitrogen	mg/L	-	Fortnightly	26	1.50	6.00	3.5	3.43		-			
Total Phosphorus	mg/L	-	Fortnightly	26	0.36	1.80	1.0	0.98					
Conductivity	uS/cm	-	Fortnightly	26	1.15	1.56	1.3	1.28		-			
Faecal Coliforms	cfu/100mL	-	Fortnightly	26	1.00	3100	345	78		-			

Point 2 Yearly Summary 2019/20

(Note that monitoring frequency is quarterly or less, so only a yearly summary will be meaningful)

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median		Comments
Biological Oxygen Demand5	mg/L	-	Monthly	26	2	7	4.3	4		
Total Suspended Solids	mg/L	-	Monthly	26	4	21	8.9	8		
pH	pH Value	-	Monthly	13	7.60	8.33	7.9	8.15		
Total Nitrogen	mg/L	-	Monthly	13	1.89	23.10	13.0	13.25		
Total Phosphorus	mg/L	-	Monthly	13	3.04	6.92	5.0	4.80		
Conductivity	uS/cm	-	Monthly	13	1.12	1.46	1.3	1.32		

Quirindi Sewage Treatment Plant - EPL 806 - Yearly Summaries

Point 1 Yearly Summary 2018/19

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median		Exceedences (yes/no)	Count of 90 percentile exceedances	Exceedance acceptable limit	Comments
Biological Oxygen Demand5	mg/L	20	Fortnightly	26	4	20	8.1	7		no	0	3	within allowable 90%ile. Exceedances due to algae within maturation ponds
Total Suspended Solids	mg/L	30	Fortnightly	26	12.00	160.00	37.9	32.50		yes	16	3	exceeded 90 percentile limit due to high Algae content in maturation ponds
Oil & Grease	mg/L	10	Fortnightly	26	5.00	7.00	5.1	5.00		no	0	3	within allowable 90%ile. The cause of the high oil and greese is undetermined
pH	pH Value	-	Fortnightly	26	8.10	9.70	9.3	9.40		-			
Ammonia as Nitrogen	mg/L	-	Fortnightly	26	0.01	0.50	0.1	0.10		-			
Nitrates + Nitrites as Nitrogen	mg/L	-	Fortnightly	26	0.01	16.50	1.2	0.10		-			
Kjeldahl Nitrogen	mg/L	-	Fortnightly	26	0.90	4.16	2.7	2.69		-			
Total Nitrogen	mg/L	-	Fortnightly	26	1.10	18.10	4.0	3.02		-			
Total Phosphorus	mg/L	-	Fortnightly	26	0.26	5.91	1.1	0.99					
Conductivity	uS/cm	-	Fortnightly	26	1.15	1.32	1.2	1.22		-			
Faecal Coliforms	cfu/100mL	-	Fortnightly	26	2.00	5000	229	25		-			

Point 2 Yearly Summary 2018/19

(Note that monitoring frequency is quarterly or less, so only a yearly summary will be meaningful)

Pollutant	Units	90 percentile concentration limit	Monitoring frequency required by the Licence	Number of data points for the year	Minimum value	Maximum value	Mean	Median		Comments
Biological Oxygen Demand5	mg/L	-	Monthly	26	2	7	4.6	5		
Total Suspended Solids	mg/L	-	Monthly	26	4	27	9.8	10		
pH	pH Value	-	Monthly	21	7.70	8.10	8.0	8.00		
Total Nitrogen	mg/L	-	Monthly	21	9.44	19.60	15.2	15.20		
Total Phosphorus	mg/L	-	Monthly	21	4.05	7.50	5.7	6.06		
Conductivity	uS/cm	-	Monthly	21	1.20	1.43	1.3	1.30		

Quirindi Sewage Treatment Plant - EPL 806 - Monthly Summaries

Point 1 Monthly Summary 2021/22

Month	Date that the summary was published	Monthly Summary Statistics	Biological Oxygen Demand$_5$ mg/L	Total Suspended Solids mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as Nitrogen mg/L	Nitrates + Nitrites as Nitrogen mg/L	Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Total Phosphorus mg/L	Conductivity uS/cm	Chlorophyll a ug/L	Faecal Coliforms cfu/100mL
Feb-21	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	4	42	5.00	9.33	0.03	0.02	3.00	3.00	0.96	1.10		36
		Minimum	3	30	5.00	9.19	0.01	0.01	2.60	2.60	0.74	1.05		22
		Mean	3.5	36.0	5.00	9.26	0.02	0.02	2.80	2.80	0.85	1.08		29.0
		Median	3.5	36.0	5.00	9.26	0.02	0.02	2.80	2.80	0.85	1.08		29.0
Mar-21		Number of data points	3	3	3	3	3	2	3	3	3	3		3
		Maximum	6	44	11.00	9.08	0.03	0.01	2.70	2.70	1.26	1.15		82
		Minimum	5	26	5.00	8.96	0.02	0.01	2.60	2.60	0.81	1.03		35
		Mean	5.3	35.0	7.33	9.02	0.03	0.01	2.63	2.63	0.99	1.11		59.0
		Median	5.0	35.0	6.00	9.02	0.03	0.01	2.60	2.60	0.91	1.15		60.0
Apr-21		Number of data points	2	2	2	2	2	0	2	2	2	2		2
		Maximum	3	29	5.00	9.27	0.02	0.00	2.20	2.20	1.00	1.00		40
		Minimum	2	26	5.00	9.24	0.02	0.00	1.60	1.60	0.97	1.00		26
		Mean	2.5	27.5	5.00	9.26	0.02	0.00	1.90	1.90	0.99	1.00		33.0
		Median	2.5	27.5	5.00	9.26	0.02	0.00	1.90	1.90	0.99	1.00		33.0
May-21		Number of data points	2	2	5.00	2	2	0.00	2	2	2	2		2
		Maximum	4	32	5.00	9.11	0.04	0.05	2.10	2.20	1.17	1.09		50
		Minimum	2	20	5.00	9.05	0.02	0.02	0.40	1.40	1.14	1.06		21
		Mean	3.0	26.0	5.00	9.08	0.03	0.04	1.25	1.80	1.16	1.08		35.5
		Median	3.0	26.0	5.00	9.08	0.03	0.04	1.25	1.80	1.16	1.08		35.5
Jun-21		Number of data points	2	2	5.00	2	2	2	2	2	2	2		2
		Maximum	74	42	5.00	9.22	0.06	2.63	3.10	5.70	2.19	1.02		16
		Minimum	7	41	5.00	8.79	0.04	0.12	2.10	2.20	1.27	0.97		6
		Mean	40.5	41.5	5.00	9.01	0.05	1.38	2.60	3.95	1.73	1.00		11.0
		Median	40.5	41.5	5.00	9.01	0.05	1.38	2.60	3.95	1.73	1.00		11.0
Jul-21		Number of data points	2	2	5.00	2	1	2	2	2	2	2		2
		Maximum	11	65	5.00	8.77	0.05	2.78	4.20	6.10	2.39	0.98		6
		Minimum	11	46	5.00	8.74	0.05	0.51	3.30	4.70	1.88	0.95		2
		Mean	11.0	55.5	5.00	8.76	0.05	1.65	3.75	5.40	2.14	0.97		2
		Median	11.0	55.5	5.00	8.76	0.05	1.65	3.75	5.40	2.14	0.97		2
Aug-21		Number of data points	3	3	3	3	3	3	3	3	3	3		2
		Maximum	7	46	8.00	8.96	1.66	2.18	3.80	5.70	2.46	1.23		95
		Minimum	4	10	5.00	8.13	0.13	0.95	3.20	4.40	1.89	1.00		4
		Mean	5.0	27.7	6.00	8.56	0.89	1.67	3.50	5.17	2.10	1.12		4
		Median	4.0	27.0	5.00	8.58	0.89	1.88	3.50	5.40	1.95	1.13		4
Sep-21		Number of data points	2	2	2	2	2	2	2	2	2	2		4
		Maximum	5	43	5.00	8.85	0.09	0.24	3.00	3.20	1.62	1.25		4
		Minimum	4	34	5.00	8.82	0.03	0.01	2.20	2.20	1.37	1.18		4
		Mean	4.5	38.5	5.00	8.84	0.06	0.13	2.60	2.70	1.50	1.22		4
		Median	4.5	38.5	5.00	8.84	0.06	0.13	2.60	2.70	1.50	1.22		4
Oct-21		Number of data points	2	2	2	2	2	0	2	2	2	2		4
		Maximum	3	58	5.00	8.94	0.02	0.00	4.40	4.40	1.74	1.25		4
		Minimum	2	55	5.00	8.64	0.02	0.00	2.80	2.80	1.58	1.24		4
		Mean	2.5	56.5	5.00	8.79	0.02	0.00	3.60	3.60	1.66	1.25		4
		Median	5.0	38.0	5.00	9.15	0.03	0.13	3.20	3.55	1.43	1.18		4
Nov-21		Number of data points	2	2	2	2	0	0	2	2	2	2		4
		Maximum	6	46	5.00	9.21	0.00	0.00	4.00	4.00	1.61	1.18		4
		Minimum	2	29	5.00	9.03	0.00	0.00	2.20	2.20	1.19	1.06		4
		Mean	4.0	37.5	5.00	9.12	0.00	0.00	3.10	3.10	1.40	1.12		4
		Median	4.0	37.5	5.00	9.12	0.00	0.00	3.10	3.10	1.40	1.12		4
Dec-21		Number of data points	2	2	2	2	2	2	2	2	2	2		4
		Maximum	5	64	5.00	9.48	0.03	0.40	4.50	4.90	1.62	0.81		4
		Minimum	2	32	5.00	9.34	0.03	0.03	1.90	1.90	0.86	0.79		4
		Mean	3.5	48.0	5.00	9.41	0.03	0.22	3.20	3.40	1.24	0.80		4
		Median	3.5	48.0	5.00	9.41	0.03	0.22	3.20	3.40	1.24	0.80		4
Jan-22		Number of data points	2	2	2	2	2	2	2	2	2	2		4
		Maximum	5	64	5.00	9.48	0.03	0.40	4.50	4.90	1.62	0.81		4
		Minimum	2	32	5.00	9.34	0.03	0.03	1.90	1.90	0.86	0.79		4
		Mean	3.5	48.0	5.00	9.41	0.03	0.22	3.20	3.40	1.24	0.80		4
		Median	3.5	48.0	5.00	9.41	0.03	0.22	3.20	3.40	1.24	0.80		4

Quirindi Sewage Treatment Plant - EPL 806 - Monthly Summaries

Point 1 Monthly Summary 2020/21

Month	Date that the summary was published	Monthly Summary Statistics	Biological Oxygen Demand$_5$ mg/L	Total Suspended Solids mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as Nitrogen mg/L	Nitrates + Nitrites as Nitrogen mg/L	Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Total Phosphorus mg/L	Conductivity uS/cm	Chlorophyll a ug/L	Faecal Coliforms cfu/100mL
Feb-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	9	63	5.00	9.12	0.04	0.12	6.80	6.90	0.80	1.26		30
		Minimum	5	44	5.00	9.11	0.02	0.01	2.10	2.10	0.54	1.08		20
		Mean	7.0	53.5	5.00	9.12	0.03	0.07	4.45	4.50	0.67	1.17		25.0
		Median	7.0	53.5	5.00	9.12	0.03	0.07	4.45	4.50	0.67	1.17		25.0
Mar-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	6	36	5.00	9.15	0.11	0.06	3.80	3.80	0.78	1.16		60
		Minimum	3	19	5.00	9.11	0.05	0.02	1.80	1.90	0.66	1.14		46
		Mean	4.5	27.5	5.00	9.13	0.08	0.04	2.80	2.85	0.72	1.15		53.0
		Median	4.5	27.5	5.00	9.13	0.08	0.04	2.80	2.85	0.72	1.15		53.0
Apr-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	5	45	5.00	9.19	0.04	0.03	5.70	5.70	0.89	1.13		110
		Minimum	4	36	5.00	9.04	0.02	0.01	2.50	2.50	0.72	1.12		60
		Mean	4.5	40.5	5.00	9.12	0.03	0.02	4.10	4.10	0.81	1.13		85.0
		Median	4.5	40.5	5.00	9.12	0.03	0.02	4.10	4.10	0.81	1.13		85.0
May-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	7	60	5.00	9.30	0.03	0.01	4.70	4.70	1.13	1.14		40
		Minimum	6	48	5.00	9.26	0.02	0.01	3.40	3.40	0.97	1.10		14
		Mean	6.5	54.0	5.00	9.28	0.03	0.01	4.05	4.05	1.05	1.12		27.0
		Median	6.5	54.0	5.00	9.28	0.03	0.01	4.05	4.05	1.05	1.12		27.0
Jun-20	22/03/2021	Number of data points	3	3	3	3	3	3	3	3	3	3		3
		Maximum	9	55	5.00	9.15	0.09	0.80	4.70	4.80	2.26	1.17		50
		Minimum	8	33	5.00	8.58	0.01	0.03	3.70	4.30	1.50	1.12		14
		Mean	8.7	43.3	5.00	8.87	0.04	0.30	4.23	4.53	1.87	1.15		30.7
		Median	9.0	42.0	5.00	8.88	0.02	0.06	4.30	4.50	1.85	1.15		28.0
Jul-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	10	34	11.00	8.60	0.34	1.77	3.20	4.90	2.57	1.18		28
		Minimum	5	30	5.00	8.50	0.25	1.67	3.00	4.80	2.43	1.16		10
		Mean	7.5	32.0	8.00	8.55	0.30	1.72	3.10	4.85	2.50	1.17		19.0
		Median	7.5	32.0	8.00	8.55	0.30	1.72	3.10	4.85	2.50	1.17		19.0
Aug-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	9	33	5.00	8.74	0.14	1.49	3.50	4.80	2.54	1.27		20
		Minimum	3	7	5.00	8.13	0.11	0.69	3.30	4.20	2.08	1.14		20
		Mean	6.0	20.0	5.00	8.44	0.13	1.09	3.40	4.50	2.31	1.21		20.0
		Median	6.0	20.0	5.00	8.44	0.13	1.09	3.40	4.50	2.31	1.21		20.0
Sep-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	9	72	5.00	8.82	0.36	0.45	2.70	2.80	1.98	1.22		150
		Minimum	5	50	5.00	8.48	0.16	0.08	1.40	1.80	1.44	1.17		44
		Mean	7.0	61.0	5.00	8.65	0.26	0.27	2.05	2.30	1.71	1.20		97.0
		Median	7.0	61.0	5.00	8.65	0.26	0.27	2.05	2.30	1.71	1.20		97.0
Oct-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	6	52	5.00	9.04	0.02	0.04	5.00	5.00	1.65	1.31		250
		Minimum	2	47	5.00	9.03	0.01	0.01	2.60	2.60	1.32	1.25		74
		Mean	4.0	49.5	5.00	9.04	0.02	0.03	3.80	3.80	1.49	1.28		162.0
		Median	4.0	49.5	5.00	9.04	0.02	0.03	3.80	3.80	1.49	1.28		162.0
Nov-20	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	5	77	5.00	9.29	0.04	0.15	4.60	4.80	1.22	1.14		20
		Minimum	2	22	5.00	9.21	0.03	0.09	2.00	2.10	0.69	1.04		2
		Mean	3.5	49.5	5.00	9.25	0.04	0.12	3.30	3.45	0.96	1.09		11.0
		Median	3.5	49.5	5.00	9.25	0.04	0.12	3.30	3.45	0.96	1.09		11.0
Dec-20	22/03/2021	Number of data points	3	3	3	3	3	3	3	3	3	3		3
		Maximum	5	118	5.00	9.63	0.03	0.05	7.50	7.50	1.05	1.09		260
		Minimum	2	49	5.00	9.30	0.02	0.01	3.10	3.20	0.63	1.05		60
		Mean	3.7	78.0	5.00	9.50	0.02	0.03	4.67	4.70	0.86	1.07		128.0
		Median	4.0	67.0	5.00	9.56	0.02	0.02	3.40	3.40	0.91	1.07		64.0
Jan-21	22/03/2021	Number of data points	2	2	2	2	2	2	2	2	2	2		2
		Maximum	4	58	5.00	9.53	0.02	0.02	3.80	3.80	0.79	1.02		17
		Minimum	3	45	5.00	9.36	0.02	0.01	3.40	3.40	0.71	1.00		10
		Mean	3.5	51.5	5.00	9.45	0.02	0.02	3.60	3.60	0.75	1.01		13.5
		Median	3.5	51.5	5.00	9.45	0.02	0.02	3.60	3.60	0.75	1.01		13.5

Quirindi Sewage Treatment Plant - EPL 806 - Monthly Summaries

Point 1 Monthly Summary 2019/20

Month	Date that the summary was published	Monthly Summary Statistics	Biological Oxygen Demand$_5$ mg/L	Total Suspended Solids mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as Nitrogen mg/L	Nitrates + Nitrites as Nitrogen mg/L	Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Total Phosphorus mg/L	Conductivity uS/cm	Chlorophyll a ug/L	Faecal Coliforms cfu/100mL
Feb-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	12	27	5	9.40	0.10	0.10	2.90	2.90	0.48	1	173	220.00
		Minimum	8	20	5	9.40	0.05	0.01	2.80	2.80	0.42	1	134	15.00
		Mean	10	24	5	9.40	0.08	0.06	2.85	2.85	0.45	1	154	117.50
		Median	10	24	5	9.40	0.08	0.06	2.85	2.85	0.45	1	154	117.50
Mar-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	32	5	9.5	0.1	0.1	2.5	2.5	0.4	1.22	128	90
		Minimum	7	26	5	9.4	0.06	0.01	1.7	1.7	0.26	1.22	72	58
		Mean	8	29	5	9.45	0.08	0.055	2.1	2.1	0.33	1.22	100	74
		Median	8	29	5	9.45	0.08	0.055	2.1	2.1	0.33	1.22	100	74
Apr-19	23/03/2020	Number of data points	2	1	0	1	1	1	1	1	1	1	0	1
		Maximum	6	38	5	9.5	0.1	0.1	3	3	0.39	1.2	147	28
		Minimum	5	14	5	9.5	0.03	0.03	0.9	1.1	0.32	1.16	95	16
		Mean	5.5	26	5	9.5	0.065	0.065	1.95	2.05	0.355	1.18	121	22
		Median	5.5	26	5	9.5	0.065	0.065	1.95	2.05	0.355	1.18	121	22
1/05/201	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	7	49	5	9.5	0.1	0.1	2.6	2.6	0.73	1.2	181	26
		Minimum	6	31	5	9.4	0.1	0.1	2.6	2.6	0.5	1.19	165	5
		Mean	6.5	40	5	9.45	0.1	0.1	2.6	2.6	0.615	1.195	173	15.5
		Median	6.5	40	5	9.45	0.1	0.1	2.6	2.6	0.615	1.195	173	15.5
Jun-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	30	5	9.40	0.3	16.5	2.2	18.1	5.91	1.32	273	5000
		Minimum	5	12	5	8.10	0.1	0.2	1.7	2.5	1.05	1.21	160	2
		Mean	7.0	21.0	5	8.75	0.2	8.4	2.0	10.3	3.48	1.27	217	2501
		Median	7.0	21.0	5	8.75	0.2	8.4	2.0	10.3	3.48	1.27	217	2501
Jul-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	20	43	6	9.70	0.1	1.9	4.1	4.9	1.8	1.2	711	6
		Minimum	14	36	5	9.40	0.1	0.8	2.7	4.1	1.5	1.2	232	2
		Mean	16.3	39.7	5	9.53	0.1	1.4	3.2	4.6	1.6	1.2	411	3
		Median	15.0	40.0	5	9.50	0.1	1.4	2.8	4.7	1.6	1.2	291	2
Aug-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	18	7	9	1	3	3	6	2	1	102	22
		Minimum	6	12	5	9	0	3	2	5	2	1	58	18
		Mean	7.5	15	6	9.1	0.3	2.8	2.7	5.5	1.8	1.2	80	20
		Median	7.5	15.0	6	9.1	0.3	2.8	2.7	5.5	1.8	1.2	80	20
Sep-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	10	70	5	9	0	3	4	5	2	1	200	53
		Minimum	7	27	5	9	0	1	3	5	1	1	123	46
		Mean	8.5	48.5	5	9.2	0.2	2.0	3.2	5.2	1.6	1.3	161.4	49.5
		Median	8.5	48.5	5	9.2	0.2	2.0	3.2	5.2	1.6	1.3	161.4	49.5
Oct-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	160	5	10	0	0	4	4	1	1	186	80
		Minimum	6	49	5	9	0	0	3	4	1	1	172	34
		Mean	7.5	104.5	0	9	0	0	4	4	1	1	179	57
		Median	7.5	104.5	0	9	0	0	4	4	1	1	179	57
Nov-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	8	53	5	9	0	0	4	4	1	1	312	71
		Minimum	7	17	5	9	0	0	3	3	1	1	267	24
		Mean	7.5	35.0	0	9.3	0.2	0	3.2	3.2	1.0	1.3	289.5	47.5
		Median	7.5	35.0	0	9.3	0.2	0	3.2	3.2	1.0	1.3	289.5	47.5
Dec-19	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	6	45	5	9	0	0	3	3	1	1	100	20
		Minimum	4	37	5	9	0	0	2	3	1	1	97	9
		Mean	5.0	41.0	0	9.3	0	0	2.5	2.7	1.0	1.3	98.6	14.5
		Median	5.0	41.0	0	9.3	0	0	2.5	2.7	1.0	1.3	98.6	14.5
Jan-20	23/03/2020	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	6	45	5	9	0	0	3	3	1	1	100	20
		Minimum	4	37	5	9	0	0	2	3	1	1	97	9
		Mean	5.0	41.0	0	9.3	0	0	2.5	2.7	1.0	1.3	98.6	14.5
		Median	5.0	41.0	0	9.3	0	0	2.5	2.7	1.0	1.3	98.6	14.5

Quirindi Sewage Treatment Plant - EPL 806 - Monthly Summaries

Point 1 Monthly Summary 2018/19

Month	Date that the summary was published	Monthly Summary Statistics	Biological Oxygen Demand$_5$ mg/L	Total Suspended Solids mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as Nitrogen mg/L	Nitrates + Nitrites as Nitrogen mg/L	Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Total Phosphorus mg/L	Conductivity uS/cm	Chlorophyll a ug/L	Faecal Coliforms cfu/100mL
Feb-18	05/06/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	12	27	5	9.40	0.10	0.10	2.90	2.90	0.48	1	173	220.00
		Minimum	8	20	5	9.40	0.05	0.01	2.80	2.80	0.42	1	134	15.00
		Mean	10	24	5	9.40	0.08	0.06	2.85	2.85	0.45	1	154	117.50
		Median	10	24	5	9.40	0.08	0.06	2.85	2.85	0.45	1	154	117.50
Mar-18	05/06/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	32	5	9.5	0.1	0.1	2.5	2.5	0.4	1.22	128	90
		Minimum	7	26	5	9.4	0.06	0.01	1.7	1.7	0.26	1.22	72	58
		Mean	8	29	5	9.45	0.08	0.055	2.1	2.1	0.33	1.22	100	74
		Median	8	29	5	9.45	0.08	0.055	2.1	2.1	0.33	1.22	100	74
Apr-18	05/06/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	6	38	5	9.5	0.1	0.1	3	3	0.39	1.2	147	28
		Minimum	5	14	5	9.5	0.03	0.03	0.9	1.1	0.32	1.16	95	16
		Mean	5.5	26	5	9.5	0.065	0.065	1.95	2.05	0.355	1.18	121	22
		Median	5.5	26	5	9.5	0.065	0.065	1.95	2.05	0.355	1.18	121	22
May-18	05/06/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	7	49	5	9.5	0.1	0.1	2.6	2.6	0.73	1.2	181	26
		Minimum	6	31	5	9.4	0.1	0.1	2.6	2.6	0.5	1.19	165	5
		Mean	6.5	40	5	9.45	0.1	0.1	2.6	2.6	0.615	1.195	173	15.5
		Median	6.5	40	5	9.45	0.1	0.1	2.6	2.6	0.615	1.195	173	15.5
Jun-18	18/07/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	30	5	9.40	0.3	16.5	2.2	18.1	5.91	1.32	273	5000
		Minimum	5	12	5	8.10	0.1	0.2	1.7	2.5	1.05	1.21	160	2
		Mean	7.0	21.0	5	8.75	0.2	8.4	2.0	10.3	3.48	1.27	217	2501
		Median	7.0	21.0	5	8.75	0.2	8.4	2.0	10.3	3.48	1.27	217	2501
Jul-18	06/09/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	20	43	6	9.70	0.1	1.9	4.1	4.9	1.8	1.2	711	6
		Minimum	14	36	5	9.40	0.1	0.8	2.7	4.1	1.5	1.2	232	2
		Mean	16.3	39.7	5	9.53	0.1	1.4	3.2	4.6	1.6	1.2	411	3
		Median	15.0	40.0	5	9.50	0.1	1.4	2.8	4.7	1.6	1.2	291	2
Aug-18	03/10/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	18	7	9	1	3	3	6	2	1	102	22
		Minimum	6	12	5	9	0	3	2	5	2	1	58	18
		Mean	7.5	15	6	9.1	0.3	2.8	2.7	5.5	1.8	1.2	80	20
		Median	7.5	15.0	6	9.1	0.3	2.8	2.7	5.5	1.8	1.2	80	20
Sep-18	03/10/2018	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	10	70	5	9	0	3	4	5	2	1	200	53
		Minimum	7	27	5	9	0	1	3	5	1	1	123	46
		Mean	8.5	48.5	5	9.2	0.2	2.0	3.2	5.2	1.6	1.3	161.4	49.5
		Median	8.5	48.5	5	9.2	0.2	2.0	3.2	5.2	1.6	1.3	161.4	49.5
Oct-18	11/01/2019	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	9	160	5	10	0	0	4	4	1	1	186	80
		Minimum	6	49	5	9	0	0	3	4	1	1	172	34
		Mean	7.5	104.5	0	9	0	0	4	4	1	1	179	57
		Median	7.5	104.5	0	9	0	0	4	4	1	1	179	57
Nov-18	11/01/2019	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	8	53	5	9	0	0	4	4	1	1	312	71
		Minimum	7	17	5	9	0	0	3	3	1	1	267	24
		Mean	7.5	35.0	0	9.3	0.2	0	3.2	3.2	1.0	1.3	289.5	47.5
		Median	7.5	35.0	0	9.3	0.2	0	3.2	3.2	1.0	1.3	289.5	47.5
Dec-18	11/01/2019	Number of data points	2	2	2	2	2	2	2	2	2	2	2	2
		Maximum	6	45	5	9	0	0	3	3	1	1	100	20
		Minimum	4	37	5	9	0	0	2	3	1	1	97	9
		Mean	5.0	41.0	0	9.3	0	0	2.5	2.7	1.0	1.3	98.6	14.5
		Median	5.0	41.0	0	9.3	0	0	2.5	2.7	1.0	1.3	98.6	14.5

Final Effluent Quirindi Sewer Treatment Plant - Monitoring Point 1

Date Sampled	Date Results Report Obtained	Laboratory Report No.	Date uploaded to website	Biological Oxygen Demand mg/L	Total Suspended Solids mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as Nitrogen mg/L	Nitrates + Nitrites as Nitrogen mg/L	Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Total Phosphorus mg/L	Conductivity uS/cm	Chlorophyll a ug/L	Faecal Coliforms cfu/100mL	Comments
13/02/2018	27/02/2018	180327		12	20	5	9.40	0.05	0.01	2.80	2.80	0.48	1.24	134	15	
26/02/2018	06/03/2018	180417		8	27	5	9.40	0.10	0.10	2.90	2.90	0.42	1.23	173	220	
13/03/2018	21/03/2018	180517		7	32	5	9.50	0.10	0.10	2.50	2.50	0.40	1.22	72	90	TSS impacted by maturation pond algae
27/03/2018	09/04/2018	180639		9	26	5	9.40	0.06	0.01	1.70	1.70	0.26	1.22	128	58	
10/04/2018	24/04/2018	180728		6	14	5	9.50	0.10	0.10	0.90	1.10	0.32	1.16	95	28	
23/04/2018	02/05/2018	180818		5	38	5	9.50	0.03	0.03	3.00	3.00	0.39	1.20	147	16	TSS impacted by maturation pond algae
08/05/2018	16/05/2018	180914		6	49	5	9.50	0.10	0.10	2.60	2.60	0.50	1.19	181	26	TSS impacted by maturation pond algae
22/05/2018	31/05/2018	181016	18/06/2018	7	31	5	9.40	0.10	0.10	2.60	2.60	0.73	1.20	165	5	TSS impacted by maturation pond algae
05/06/2018	20/06/2018	181115	12/07/2018	9	30	5	9.40	0.10	0.20	2.20	2.50	1.05	1.21	160	2	
19/06/2018	27/06/2018	181208	12/07/2018	5	12	5	8.10	0.30	16.50	1.70	18.10	5.91	1.32	273	5000	
03/07/2018	11/07/2018	181303	12/07/2018	20	43	5	9.50	0.10	0.80	4.10	4.90	1.76	1.16	711	6	TSS impacted by maturation pond algae
17/07/2018	26/07/2018	181395	30/07/2018	14	36	5	9.40	0.10	1.90	2.80	4.70	1.59	1.18	232	2	TSS impacted by maturation pond algae
31/07/2018	09/08/2018	181479	09/08/2018	15	40	6	9.70	0.10	1.40	2.70	4.10	1.49	1.15	291	2.00	TSS impacted by maturation pond algae
14/08/2018	22/08/2018	181570	23/08/2018	9	18	5	9.10	0.50	2.50	3.10	5.60	1.74	1.20	102	18.00	
28/08/2018	28/08/2018	181666	12/09/2018	6	12	7	9.00	0.10	3.10	2.30	5.40	1.89	1.27	58	22	
11/09/2018	19/09/2018	181758	24/09/2018	10	27	5	9.10	0.21	2.75	2.70	5.40	1.78	1.27	123	46	
25/09/2018	03/10/2018	192560	03/10/2018	7	70	5	9.20	0.17	1.34	3.70	5.04	1.48	1.30	200	53	TSS impacted by maturation pond algae
09/10/2018	19/10/2018	193342	26/10/2018	6	160	5	9.50	0.01	0.01	4.16	4.19	1.06	1.25	186	80	TSS impacted by maturation pond algae
23/10/2018	31/10/2018	193868	01/11/2018	9	49	5	9.20	0.19	0.04	3.20	3.74	1.04	1.24	172	34	TSS impacted by maturation pond algae
07/11/2018	17/11/2018	194838	23/11/2018	8	53	5	9.40	0.01	0.01	3.71	3.74	1.04	1.27	312	71	TSS impacted by maturation pond algae
20/11/2018	29/11/2018	195385	30/11/2018	7	17	5	9.20	0.35	0.03	2.68	2.71	0.99	1.30	267	24	
04/12/2018	12/12/2018	196125	14/12/2018	6	37	5	9.30	0.01	0.01	2.57	2.59	0.99	1.27	97	20	TSS impacted by maturation pond algae
18/12/2018	28/12/2018	196741	03/01/2019	4	45	5	9.20	0.01	0.01	2.47	2.78	0.93	1.24	100	9.00	TSS impacted by maturation pond algae
Date Sampled	**Date Results Report Obtained**	**Laboratory Report No.**	**Date uploaded to website**	**Biological Oxygen Demand mg/L**	**Total Suspended Solids mg/L**	**Oil & Grease mg/L**	**pH pH Value**	**Ammonia as Nitrogen mg/L**	**Nitrates + Nitrites as Nitrogen mg/L**	**Kjeldahl Nitrogen mg/L**	**Total Nitrogen mg/L**	**Total Phosphorus mg/L**	**Conductivity uS/cm**	**Chlorophyll a ug/L**	**Faecal Coliforms cfu/100mL**	**Comments**
02/01/2019	10/01/2019	197236	11/01/2019	4	32	5	9.40	0.01	0.01	2.22	2.28	0.74	1.20	68	35	TSS impacted by maturation pond algae
15/01/2019	24/01/2019	197906	24/01/2019	6	33	5	9.30	0.24	0.03	2.62	3.09	0.44	1.18	117	2.00	TSS impacted by maturation pond algae
29/01/2019	30/01/2019	198492	07/02/2019	5	34	5	9.20	0.20	0.02	2.88	3.03	0.48	1.21	85	60	TSS impacted by maturation pond algae
12/02/2019	21/02/2019	199303	22/02/2019	5	42	5	9.40	0.01	0.01	3.41	3.41	0.48	1.25	121	24	TSS impacted by maturation pond algae
26/02/2019	08/03/2019	200185	08/03/2019	5	38		9.40	0.01	0.01	2.71	2.71	0.37	1.29	107	23	TSS impacted by maturation pond algae
05/03/2019	13/03/2019	200515	23/03/2020			5										
12/03/2019	22/03/2019	200932	22/03/2019	3	46	5	9.30	0.01	0.01	2.57	2.58	0.39	1.26	103	60	TSS impacted by maturation pond algae
26/03/2019	10/04/2019	202014	17/04/2019	4	31	5	9.20	0.01	0.01	2.45	2.77	0.42	1.34	105	84	TSS impacted by maturation pond algae
09/04/2019	26/04/2019	202681	26/04/2019	5	37	5	9.60	0.01	0.01	2.04	2.56	0.38	1.17	94	16	TSS impacted by maturation pond algae
23/04/2019	21/05/2019	203988	23/05/2019	2	30	5	8.70	0.01	0.88	1.54	2.64	0.36	1.24	27	1	
07/05/2019	21/05/2019	203886	23/05/2019	4	43	5	9.50	0.01	0.01	2.59	3.04	0.62	1.19	138	63	TSS impacted by maturation pond algae
21/05/2019	31/05/2019	204566	31/05/2019	5	39	5	9.40	0.01	0.01	3.50	3.57	0.99	1.20	155	34	TSS impacted by maturation pond algae
04/06/2019	17/06/2019	205324	20/06/2019	5	46	8	9.40	0.01	0.04	3.17	3.44	1.12	1.17	157	29	TSS impacted by maturation pond algae
18/06/2019	28/06/2019	205953	01/07/2019	7	52	5	9.40	0.01	0.23	3.43	4.27	1.32	1.15	262	88	TSS impacted by maturation pond algae
02/07/2019	11/07/2019	206582	12/07/2019	8	53	5	9.40	0.01	0.50	3.10	3.76	1.43	1.16	222	13	TSS impacted by maturation pond algae
16/07/2019	27/07/2019	207506	31/07/2019	9	77	5	9.50	0.01	0.52	3.56	4.08	1.45	1.15	199	3	TSS impacted by maturation pond algae
30/07/2019	07/08/2019	207973	08/08/2019	12	40	5	9.50	0.05	0.22	2.66	2.90	1.36	1.15	137	2	TSS impacted by maturation pond algae
13/08/2019	10/09/2019	209670	12/09/2019	8	29	5	9.00	0.77	1.33	2.71	4.57	1.74	1.24	152	25	
27/08/2019	06/09/2019	209430	12/09/2019	7	29	5	9.10	0.35	0.22	2.41	4.00	1.62	1.25	74	650	
10/09/2019	20/09/2019	201200	20/02/2019	7	39	5	9.00	0.33	1.45	2.46	4.17	1.74	1.34	102	72	TSS impacted by maturation pond algae
24/09/2019	03/10/2019	210776	04/10/2019	6	43	5	9.00	0.39	0.01	3.65	4.03	1.8	1.37	69	150	TSS impacted by maturation pond algae
08/10/2019	16/10/2019	ES1932885	18/10/2019	4	88	5	9.06	1.07	0.01	3.80	3.80	1.3	1.56		320	TSS impacted by maturation pond algae
22/10/2019	01/11/2019	ES1934783	06/11/2019	7	62	6	9.15	0.1	0.02	3.00	3.00	1.15	1.42		240	TSS impacted by maturation pond algae
07/11/2019	15/11/2019	ES1936754	15/11/2019	7	74	5	9.12	0.02	0.01	5.00	5.00	1.43	1.46		3100	TSS impacted by maturation pond algae
19/11/2019	28/11/2019	ES1938322	06/12/2019	3	32	9	9.28	0.04	0.01	1.50	1.50	0.82	1.42		1100	TSS impacted by maturation pond algae
03/12/2019	12/12/2019	ES1940096	12/12/2019	9	50	5	9.09	0.09	0.01	2.70	2.70	0.97	1.42		610	TSS impacted by maturation pond algae
17/12/2019	27/12/2019	ES1942020	13/01/2020	5	68	5	8.97	0.01	0.01	3.10	3.10	0.92	1.42		980	TSS impacted by maturation pond algae
02/01/2020	09/01/2020	ES2000063	13/01/2020	7	19	6	9.11	0.01	0.01	3.70	3.70	0.74	1.45		650	
14/01/2020	23/01/2020	ES2001073	24/01/2020	9	78	5	9.16	0.01	0.01	6.00	6.00	0.84	1.41		400	TSS impacted by maturation pond algae
28/01/2020	05/02/2020	ES2002787	12/02/2020	6	30	9	9.26	0.04	0.01	2.80	2.80	0.48	1.35		230	

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11/02/2020	20/02/2020	ES2004744	26/02/2020	9	63	5	9.12	0.02	0.12	6.80	6.90	0.54	1.26	-	30	TSS impacted by maturation pond algae
25/02/2020	05/03/2020	ES2006617	10/03/2020	5	44	5	9.11	0.04	0.01	2.10	2.10	0.8	1.08	-	20	TSS impacted by maturation pond algae
10/03/2020	18/03/2020	ES2008357	20/03/2020	6	36	5	9.11	0.05	0.02	3.80	3.80	0.78	1.14	-	46	TSS impacted by maturation pond algae
24/03/2020	01/04/2020	ES2010285	03/04/2020	3	19	5	9.15	0.11	0.06	1.80	1.90	0.66	1.16	-	60	
07/04/2020	17/04/2020	ES2012059	23/04/2020	5	45	5	9.04	0.02	0.03	5.70	5.70	0.89	1.12	-	60	TSS impacted by maturation pond algae
21/04/2020	29/04/2020	ES2013533	01/05/2020	4	36	5	9.19	0.04	0.01	2.50	2.50	0.72	1.13	-	110	TSS impacted by maturation pond algae
05/05/2020	05/05/2020	ES2015355	14/05/2020	6	48	5	9.26	0.02	0.01	4.70	4.70	0.97	1.1	-	40	TSS impacted by maturation pond algae
19/05/2020	27/05/2020	ES2017259	02/06/2020	7	60	5	9.30	0.03	0.01	3.40	3.40	1.13	1.14	-	14	TSS impacted by maturation pond algae
02/06/2020	11/06/2020	ES2019150	12/06/2020	8	42	5	9.15	0.02	0.03	4.30	4.30	1.5	1.12	-	28	TSS impacted by maturation pond algae
16/06/2020	24/06/2020	ES2020868	25/06/2020	9	55	5	8.88	0.01	0.06	4.70	4.80	1.85	1.17	-	14	TSS impacted by maturation pond algae
30/06/2020	07/07/2020	ES2022673	13/07/2020	9	33	5	8.58	0.09	0.8	3.70	4.50	2.26	1.15	-	50	TSS impacted by maturation pond algae
14/07/2020	21/07/2020	ES2024251	23/07/2020	5	34	11	8.60	0.25	1.77	3.00	4.80	2.57	1.16	-	10	TSS impacted by maturation pond algae
28/07/2020	07/08/2020	ES2026276	11/08/2020	10	30	5	8.50	0.34	1.67	3.20	4.90	2.43	1.18	-	28	
11/08/2020	19/08/2020	ES2028033	26/08/2020	9	7	5	8.13	0.14	1.49	3.30	4.80	2.54	1.14	-	20	
25/08/2020	02/09/2020	ES2029955	09/09/2020	3	33	5	8.74	0.11	0.69	3.50	4.20	2.08	1.27	-	20	TSS impacted by maturation pond algae
08/09/2020	16/09/2020	ES2031741	17/09/2020	9	72	5	8.82	0.16	0.08	2.70	2.80	1.44	1.17	-	44	TSS impacted by maturation pond algae
22/09/2020	30/09/2020	ES2033505	02/10/2020	5	50	5	8.48	0.36	0.45	1.40	1.80	1.98	1.22	-	150	TSS impacted by maturation pond algae
06/10/2020	14/10/2020	ES2035009	16/10/2020	2	47	5	9.03	0.01	0.04	2.60	2.60	1.32	1.31	-	250	TSS impacted by maturation pond algae
20/10/2020	28/10/2020	ES2036902	30/10/2020	6	52	5	9.04	0.02	0.01	5.00	5.00	1.65	1.25	-	74	TSS impacted by maturation pond algae
04/11/2020	13/11/2020	ES2039023	18/11/2020	5	77	5	9.21	0.04	0.15	4.60	4.80	1.22	1.04	-	20	TSS impacted by maturation pond algae
17/11/2020	26/11/2020	ES2040988	27/11/2020	2	22	5	9.29	0.03	0.09	2.00	2.10	0.69	1.14	-	2	
01/12/2020	09/12/2020	ES2042657	10/12/2020	5	67	5	9.56	0.02	0.02	3.40	3.40	0.91	1.07	-	260	TSS impacted by maturation pond algae
15/12/2020	30/12/2020	ES2044724	11/01/2021	4	118	5	9.30	0.03	0.01	7.50	7.50	1.05	1.09	-	64	TSS impacted by maturation pond algae
29/12/2020	07/01/2021	ES2046068	11/01/2021	2	49	5	9.63	0.02	0.05	3.10	3.20	0.63	1.05	-	60	TSS impacted by maturation pond algae
06/01/2021	13/01/2021	ES2100523	15/01/2021	3	58	5	9.36	0.02	0.01	3.80	3.80	0.71	1	-	10	TSS impacted by maturation pond algae
19/01/2021	28/01/2021	ES2101853	01/02/2021	4	45	5	9.53	0.02	0.02	3.40	3.40	0.79	1.02	-	17	TSS impacted by maturation pond algae

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02/02/2021	09/02/2021	ES2103500	11/02/2021	3	30	5	9.33	0.01	0.02	2.60	2.60	0.74	1.05	-	22	
16/02/2021	24/02/2021	ES2105534	26/02/2021	4	42	5	9.19	0.03	0.01	3.00	3.00	0.96	1.1	-	36	TSS impacted by maturation pond algae
02/03/2021	09/03/2021	ES2107469	12/03/2021	6	26	6	9.08	0.02	0.01	2.70	2.70	0.81	1.15	-	35	
16/03/2021	24/03/2021	ES2109398	26/03/2021	5	35	11	8.96	0.03	<0.01	2.60	2.60	0.91	1.15	-	82	TSS impacted by maturation pond algae
30/03/2021	09/04/2021	ES2111746	16/04/2021	5	44	5	9.02	0.03	0.01	2.60	2.60	1.26	1.03	-	60	TSS impacted by maturation pond algae
13/04/2021	21/04/2021	ES2113615	23/04/2021	2	26	5	9.24	0.02	<0.01	2.20	2.20	1.00	1	-	26	
27/04/2021	06/05/2021	ES2115719	10/05/2021	3	29	5	9.27	0.02	<0.01	1.60	1.60	0.97	1	-	40	
11/05/2021	20/05/2021	ES2117930	21/05/2021	4	32	5	9.05	0.04	0.05	2.10	2.20	1.14	1.06	-	21	TSS impacted by maturation pond algae
25/05/2021	02/06/2021	ES2119667	04/06/2021	2	20	5	9.11	0.02	0.02	0.40	1.40	1.17	1.09	-	50	
08/06/2021	17/06/2021	ES2121589	18/06/2021	74	41	5	9.22	0.04	0.12	2.10	2.20	1.27	1.02	-	16	BOD & TSS impacted by maturation pond algae
22/06/2021	01/07/2021	ES2123278	02/07/2021	7	42	5	8.79	0.06	2.63	3.10	5.70	2.19	0.97	-	6	TSS impacted by maturation pond algae
06/07/2021	15/07/2021	ES2125000	15/07/2021	11	46	5	8.74	<0.01	0.51	4.20	4.70	1.88	0.95	-	6	TSS impacted by maturation pond algae
20/07/2021	11/08/2021	ES2126708	16/08/2021	11	65	5	8.77	0.05	2.78	3.3	6.1	2.39	0.98	-	2	TSS impacted by maturation pond algae
03/08/2021	11/08/2021	ES2128189	16/08/2021	7	46	5	8.96	0.13	2.18	3.20	5.40	1.95	1	-	85	TSS impacted by maturation pond algae
17/08/2021	31/08/2021	ES2130552	01/09/2021	4	27	5	8.58	0.89	1.88	3.80	5.70	1.89	1.13	-	4	
01/09/2021	09/09/2021	ES2131853	13/09/2021	4	10	8	8.13	1.66	0.95	3.50	4.40	2.46	1.23	-	95	
14/09/2021	23/09/2021	ES2133531	27/09/2021	5	34	5	8.82	0.09	0.24	3.00	3.20	1.62	1.18	-	66	TSS impacted by maturation pond algae
28/09/2021	07/10/2021	ES2135120	13/10/2021	4	43	5	8.85	0.03	0.01	2.20	2.20	1.37	1.25	-	21	TSS impacted by maturation pond algae
12/10/2021	20/10/2021	ES2136831	22/10/2021	2	58	5	8.94	0.02	<0.01	4.40	4.40	1.74	1.25	-	69	TSS impacted by maturation pond algae
26/10/2021	03/11/2021	ES2138830	05/11/2021	3	55	5	8.64	0.02	<0.01	2.80	2.80	1.58	1.24	-	96	TSS impacted by maturation pond algae
09/11/2021	17/11/2021	ES2140594	22/11/2021	2	29	5	9.03	<0.01	<0.01	2.20	2.20	1.19	1.18	-	40	
23/11/2021	01/12/2021	ES2142595	03/12/2021	6	46	5	9.21	<0.01	<0.01	4.00	4.00	1.61	1.06	-	46	TSS impacted by maturation pond algae
07/12/2021	15/12/2021	ES2144729	17/12/2021	5	64	5	9.34	0.03	0.4	4.50	4.90	1.62	0.79	-	44	TSS impacted by maturation pond algae
21/12/2021	04/01/2022	ES2146708	06/01/2022	2	32	5	9.48	0.03	0.03	1.90	1.90	0.86	0.81	-	30	TSS impacted by maturation pond algae

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04/01/2022	12/01/2021	ES2200146	14/01/2022	2	28	<5	9.14	0.03	<0.01	2.60	2.60	0.91	1.00	-	6	
18/01/2022	25/01/2022	ES2201628	28/01/2022	2	34	<5	9.23	0.02	<0.01	2.90	2.90	0.82	0.96	-	13	TSS impacted by maturation pond algae
01/02/2022	09/02/2022	ES2203426	10/02/2022	<2	32	<5	9.27	0.03	1.64	2.10	3.70	0.67	1.14	-	1	TSS impacted by maturation pond algae
15/02/2022	23/02/2022	ES2205240	25/02/2022	2	24	<5	9.55	0.02	0.01	1.10	1.10	0.49	1.22	-	5	
01/03/2022	09/03/2022	ES2207183	16/03/2022	6	54	<5	9.33	0.03	0.01	5.50	5.50	1.02	1.16	-	~5	TSS impacted by maturation pond algae
15/03/2022	22/03/2022	ES2209364	24/03/2022	7	66	<5	9.45	0.02	<0.01	8.00	8.00	1.26	1.18	-	~<1	TSS impacted by maturation pond algae
29/03/2022	07/04/2022	ES2211108	12/04/2022	3	44	<5	9.29	0.02	<0.01	4.20	4.20	0.96	1.12	-	~72	TSS impacted by maturation pond algae
12/04/2022	22/04/2022	ES2212985	26/04/2022	2	19	<5	9.30	0.02	<0.01	2.00	2.00	0.87	1.08	-	~25	
27/04/2022	05/05/2022	ES2214497	06/05/2022	4	4	<5	9.19	0.01	0.01	3.50	3.50	1.08	1.14	-	~2	TSS impacted by maturation pond algae
10/05/2022	18/05/2022	ES2216178	20/05/2022	5	50	<5	9.19	0.02	<0.01	2.80	2.80	1.16	1.16	-	22	TSS impacted by maturation pond algae
24/05/2022	01/06/2022	ES2218151	03/06/2022	5	40	<5	9.06	0.02	<0.01	3.40	3.40	1.64	1.13	-	~7	TSS impacted by maturation pond algae
07/06/2022	16/06/2022	ES2220065	20/06/2022	5	52	<5	8.80	0.01	0.12	0.90	1.00	1.69	1.09	-	~2	TSS impacted by maturation pond algae
21/06/2022	29/06/2022	ES2221856	04/07/2022	2	32	9	8.99	0.01	0.12	3.10	3.20	2.09	1.19	-	~22	TSS impacted by maturation pond algae
06/07/2022	14/07/2022	ES2223918	18/07/2022	10	30	15	8.74	0.09	0.39	3.20	3.60	1.77	1.14	-	17	
19/07/2022	27/07/2022	ES2225572	29/07/2022	9	25	5	8.98	0.09	0.37	2.40	2.80	1.72	1.15	-	~<1	
02/08/2022	09/08/2022	ES2227415	12/08/2022	11	30	<5	8.89	0.12	0.04	3.60	3.60	3.5	1.19	-	~4	
16/08/2022	24/08/2022	ES2229338	26/08/2022	6	19	<5	8.85	0.21	1.47	3.90	5.40	2.51	1.1	-	~11	
30/08/2022	07/09/2022	ES2231096	09/09/2022	10	50	<5	8.97	0.21	0.63	4.00	4.60	2.24	1.03	-	25	BOD impacted by maturation pond algae
13/09/2022	21/09/2022	ES2232936	26/09/2022	4	26	7	8.83	0.1	0.76	3.00	3.80	2.23	1.07	-	~16	
26/09/2022	05/10/2022	ES2234450	06/10/2022	6	29	<5	8.78	0.05	1.6	2.80	4.40	2.59	0.98	-	29	
11/10/2022	19/10/2022	ES2236519	21/10/2022	4	31	4	9.09	0.04	0.34	2.80	3.10	1.78	0.91	-	~4	TSS impacted by maturation pond algae
25/10/2022	03/11/2022	ES2238413	04/11/2022	6	57	<5	9.00	0.03	0.16	3.00	3.20	1.9	0.94	-	~76	TSS impacted by maturation pond algae
08/11/2022	16/11/2022	ES2240463	18/11/2022	4	42	<5	9.33	0.05	0.02	6.00	6.00	1.69	0.91	-	~3	TSS impacted by maturation pond algae
22/11/2022	29/11/2022	ES2242367	06/12/2022	2	55	5	9.43	0.02	0.01	2.60	2.60	1.43	0.92	-	~2	TSS impacted by maturation pond algae
06/12/2022	14/12/2022	ES2244162	19/12/2022	2	25	<5	9.42	0.02	0.01	1.90	1.90	0.97	0.98	-	11	
19/12/2022	05/01/2023	ES2246068	12/01/2023	4	30	<5	9.35	0.02	<0.01	2.30	2.30	1.18	1.01	-	~8	
04/01/2023	13/01/2023	ES2300275	16/01/2023	7	35	<5	9.32	0.02	0.01	2.50	2.50	1.01	1.15	-	~8	TSS impacted by maturation pond algae
17/01/2023	25/01/2023	ES2301590	27/01/2023	5	29	<5	9.20	0.05	0.04	2.60	2.60	0.79	1.25	-	~1	
31/01/2023	09/02/2023	ES2303186	13/02/2023	3	34	<5	9.26	0.02	0.02	3.10	3.10	0.87	1.24	-	24	TSS impacted by maturation pond algae
14/02/2023	23/02/2023	ES2304899	24/02/2023	4	57	<5	9.20	0.03	0.01	2.30	2.30	0.77	1.31	-	~5	TSS impacted by maturation pond algae
28/02/2023	08/03/2023	ES2306762	13/03/2023	3	60	<5	9.40	0.04	<0.01	4.50	4.50	0.99	1.32	-	50	TSS impacted by maturation pond algae
14/03/2023	22/03/2023	ES2308474	23/03/2023	3	51	<5	9.24	<0.01	0.01	3.50	3.50	0.84	1.36	-	16	TSS impacted by maturation pond algae
28/03/2023	04/04/2023	ES2310417	06/04/2023	3	46	<5	9.14	0.02	<0.01	4.00	4.00	1.02	1.34	-	16	TSS impacted by maturation pond algae
11/04/2023	18/04/2023	ES2311874	20/04/2023	5	55	<5	9.29	0.01	<0.01	4.50	4.50	1.08	1.23	-	~5	TSS impacted by maturation pond algae
26/04/2023	04/05/2023	ES2313735	08/05/2023	4	38	<5	9.22	0.02	<0.01	3.40	3..4	1.17	1.27	-	16	TSS impacted by maturation pond algae
09/05/2023	17/05/2023	ES2315479	18/05/2023	3	38	<5	9.25	0.02	<0.01	2.60	2.60	1.19	1.26	-	~7	TSS impacted by maturation pond algae
23/05/2023	30/05/2023	ES2317278	01/06/2023	7	34	<5	9.20	0.02	<0.01	1.10	1.10	1.12	1.22	-	~2	TSS impacted by maturation pond algae
06/06/2023	13/06/2023	ES2318973	21/06/2023	17	45	<5	9.15	0.03	0.02	4.40	4.40	1.43	1.24	-	~2	TSS impacted by maturation pond algae
20/06/2023	28/06/2023	ES2320602	29/06/2023	12	51	<5	8.85	0.13	0.58	4.20	4.80	1.63	1.23	-	~5	TSS impacted by maturation pond algae
04/07/2023	12/07/2023	ES2322304	14/07/2023	16	48	<5	8.69	0.15	0.6	4.40	5.00	2.08	1.26	-	~8	TSS impacted by maturation pond algae
18/07/2023	26/07/2023	ES2324033	28/07/2023	9	21	<5	8.65	0.3	0.68	4.9	5.60	2.45	1.3	-	10	
01/08/2023	08/08/2023	ES2325708	09/08/2023	13	53	<5	8.72	0.27	0.24	4.2	4.40	2.24	1.34	-	100	TSS impacted by maturation pond algae
15/08/2023	25/08/2023	ES2327677	28/08/2023	9	51	<5	8.75	0.2	0.13	3.9	4.00	1.88	1.29	-	47	TSS impacted by maturation pond algae
29/08/2023	04/09/2023	ES2329482	06/09/2023	10	27	<5	8.91	0.23	0.2	3.5	3.70	1.56	1.23	-	~32	
12/09/2023	20/09/2023	ES2331240	22/09/2023	<2	13	<5	8.73	0.53	0.36	3	3.40	1.74	1.28	-	~12	
26/09/2023	05/10/2023	ES2333120	06/10/2023	8	43	8	8.98	0.02	<0.01	4	4.00	1.76	1.27	-	16	TSS impacted by maturation pond algae
10/10/2023	18/10/2023	ES2334970	23/10/2023	9	52	<5	9.08	0.02	0.01	9.9	9.90	1.96	1.35	-	~18	TSS impacted by maturation pond algae

unit	full wording
mg/L	milligram per litre
pH	pH
u S/cm	micro Siemens per centimet
cfu/100mL	coliforms detected per 100 r

Secondary Effluent Quirindi Sewer Treatment Plant - Monitoring Point 2

Date	Date Results Report	Laboratory	Date	Biological mg/L	Total mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as mg/L	Nitrates + mg/L	Kjeldahl mg/L	Total mg/L	Total mg/L	Conductivity uS/cm	Faecal cfu/100mL	Comments
30/01/2018	07/02/2018	180235		5	7	5	8.1	0.2	12.8	0.4	13.2	5.44	1.31	28000	
13/02/2018	27/02/2018	180327		6	7	<5	8.1	0.9	15.6	4.0	19.6	5.28	1.35	~500	
26/02/2018	06/03/2018	180417		4	6	<5	8.1	0.3	11.1	1.6	12.7	5.58	1.20	150000	
13/03/2018	21/03/2018	180517		2	4	<5	8.1	0.2	14.7	0.5	15.2	5.59	1.24	100000	
27/03/2018	09/04/2018	180639		3	5	<5	8.1	0.41	12.60	1.60	14.20	5.19	1.28	38000	
10/04/2018	24/04/2018	180728		4	10	<5	8.0	0.30	12.50	2.60	16.10	6.70	1.23	56000	
23/04/2018	02/05/2018	180818		3	12	<5	8.1	0.48	11.50	3.10	14.60	7.50	1.27	5400	
08/05/2018	16/05/2018	180914		4	11	<5	8.1	0.10	10.70	1.50	12.10	6.11	1.28	7300	
22/05/2018	31/05/2018	181016	18/16/2018	4	7	<5	8.0	0.30	13.90	1.60	15.50	5.38	1.30	34000	
05/06/2018	20/06/2018	181115	12/07/2018	6	7	<5	8.0	0.30	14.10	0.50	14.60	5.42	1.30	15000	
19/06/2018	27/06/2018	181208	12/07/2018	5	12	<5	8.1	0.30	16.50	1.70	18.10	5.91	1.32	~5000	
03/07/2018	11/07/2018	181303	12/07/2018	4	6	<5	7.9	0.30	15.20	1.30	16.40	6.31	1.28	46000	
17/07/2018	26/07/2018	181395	30/07/2018	7	11	5	7.9	1.20	14.50	2.00	16.40	5.77	1.28	26000	
31/07/2018	09/08/2018	181479	09/08/2018	5	13	<5	8.0	0.30	17.60	0.90	18.50	6.03	1.30	53000	
14/08/2018	22/08/2018	181570	23/08/2018	5	12	<5	8.0	0.20	17.8	1.2	19.00	6.20	1.31	34000	
28/08/2018	28/08/2018	181666	12/09/2018	5	7	6	8.1	0.30	13.5	1.7	15.20	6.51	1.30	49000	
11/09/2018	19/09/2018	181758	24/09/2018	5	27	<5	8.0	0.29	15.5	1.8	17.30	4.15	1.29	4100	
25/09/2018	03/10/2018	192560	03/10/2018	5	7	<5	7.8	-	-	-	12.60	4.05	1.43	~11000	
09/10/2018	19/10/2018	193342	26/10/2018	5	4	-	-	-	-	-	-	-	-	-	
23/10/2018	31/10/2018	193868	01/11/2018	3	10	<5	7.8	-	-	-	13.70	5.25	1.30	~840	
07/11/2018	17/11/2018	194838	23/11/2018	5	9	-	-	-	-	-	-	-	-	-	
20/11/2018	29/11/2018	195385	30/11/2018	5	5	<5	7.8	-	-	-	14.80	6.00	1.37	~3000	
04/12/2018	12/12/2018	196125	14/12/2018	4	10	-	-	-	-	-	-	-	-	-	
18/12/2018	28/12/2018	196741	03/01/2019	6	14	<5	7.7	-	-	-	9.44	4.70	1.24	~1000	
02/01/2019	10/01/2019	197236	11/01/2019	5	9	-	-	-	-	-	-	-	-	-	
15/01/2019	24/01/2019	197906	24/01/2019	6	17	<5	7.8	-	-	-	13.10	5	1	2500	
29/01/2019	30/01/2019	198492	07/02/2019	3	13	-	-	-	-	-	-	-	-	-	
Date Sampled	**Date Results Report Obtained**	**Laboratory Report No.**	**Date uploaded to website**	**Biological Oxygen Demand$_5$ mg/L**	**Total Suspended Solids mg/L**	**Oil & Grease mg/L**	**pH pH Value**	**Ammonia as Nitrogen mg/L**	**Nitrates + Nitrites as Nitrogen mg/L**	**Kjeldahl Nitrogen mg/L**	**Total Nitrogen mg/L**	**Total Phosphorus mg/L**	**Conductivity uS/cm**	**Faecal Coliforms cfu/100mL**	**Comments**
12/02/2019	21/02/2019	199303	22/02/2019	2	13	5	7.80				13.20	7	1.32	16000.00	
26/02/2019	08/03/2019	200185	08/03/2019	7	20										
12/03/2019	22/03/2019	200932	22/03/2019	6	8	5	7.80				14.80	5.88	1.26	8400.00	
26/03/2019	10/04/2019	202014	17/04/2019	2	4										
09/04/2019	26/04/2019	202681	26/04/2019	7	11	5	7.80				15.1	4.64	1.25	9200	
23/04/2019	21/05/2019	203988	23/05/2019	2	21										
07/05/2019	21/05/2019	203886	23/05/2019	3	6	5	7.80				11.00	4.65	1.12	42000	
21/05/2019	31/05/2019	204566	31/05/2019	5	6										
04/06/2019	17/06/2019	205324	20/06/2019	6	9	8	7.80				13.7	4.8	1.25	47000	
18/06/2019	28/06/2019	205953	01/07/2019	3	5										
02/07/2019	11/07/2019	206582	12/07/2019	7	7	5	7.80				10.30	5.40	1.31	44000	
16/07/2019	27/07/2019	207506	31/07/2019	2	5										
30/07/2019	07/08/2019	207973	08/08/2019	4	6	5	7.80				13.3	5.48	1.35	9000	
13/08/2019	10/09/2019	209670	12/09/2019	5	6										
27/08/2019	06/09/2019	209430	12/09/2019	3	9	5	7.60				1.89	5.84	1.37	17000	
10/09/2019	20/09/2019	201200	20/02/2019	4	7										
24/09/2019	03/10/2019	210776	04/10/2019	6	7	5	7.80				14	4.6	1.4	4700	
08/10/2019	16/10/2019	ES1932885	18/10/2019	2	8										
22/10/2019	01/11/2019	ES1934783	06/11/2019	4	12	5	8.33	0.15	10.7	2.1	12.8	3.24	1.46	6100	
07/11/2019	15/11/2019	ES1934783	15/11/2019	2	10										
19/11/2019	28/11/2019	ES1938322	06/12/2019	3	5	5	8.27	0.82	10.2	2.5	12.7	3.04	1.44	65000	
03/12/2019	12/12/2019	ES1940096	12/12/2019	6	5										
17/12/2019	27/12/2019	ES1942020	13/01/2020	4	19	5	8.19	0.1	11.7	3.1	14.8	4.39	1.32	3400	
02/01/2020	09/01/2020	ES2000063	13/01/2020	7	8										
14/01/2020	23/01/2020	ES2001073	24/01/2020	7	5	5	8.24	0.08	20.20	2.90	23.10	6.28	1.37	21000	
28/01/2020	05/02/2020	ES2002787	12/02/2020	3	9										

Date Sampled	Date Results Report Obtained	Laboratory Report No.	Date uploaded to website	Biological Oxygen Demand$_5$ mg/L	Total Suspended Solids mg/L	Oil & Grease mg/L	pH pH Value	Ammonia as Nitrogen mg/L	Nitrates + Nitrites as Nitrogen mg/L	Kjeldahl Nitrogen mg/L	Total Nitrogen mg/L	Total Phosphorus mg/L	Conductivity uS/cm	Faecal Coliforms cfu/100mL	Comments
11/02/2020	20/02/2020	ES2004744	26/02/2020	3	6	5	8.31	0.19	12.8	2.8	15.6	4.54	1.13	2000	
25/02/2020	05/03/2020	ES2006617	10/03/2020	5	16	-	-	-	-	-	-	-	-	-	
10/03/2020	18/03/2020	ES2008357	20/03/2020	2	8	5	8.24	0.13	18.6	3.6	22.2	4.78	1.23	33000	
24/03/2020	01/04/2020	ES2010285	03/04/2020	3	5	-	-	-	-	-	-	-	-	-	
07/04/2020	17/04/2020	ES2012059	23/04/2020	2	6	5	8.11	0.06	10.2	2.4	12.6	3.89	1.08	22000	
21/04/2020	29/04/2020	ES2013533	01/05/2020	3	6	-	-	-	-	-	-	-	-	-	
05/05/2020	05/05/2020	ES2015355	14/05/2020	3	12	5	8.31	0.13	10.8	4	14.8	5.6	1.23	14000	
19/05/2020	27/05/2020	ES2017259	02/06/2020	5	12	-	-	-	-	-	-	-	-	-	
02/06/2020	11/06/2020	ES2019150	12/06/2020	8	10	5	8.22	0.49	11.6	4.2	15.8	5.75	1.31	100000	
16/06/2020	24/06/2020	ES2020868	25/06/2020	3	5	-	-	-	-	-	-	-	-	-	
30/06/2020	07/07/2020	ES2022673	13/07/2020	2	6	5	8.01	0.27	7.05	3.0	10	6.03	1.24	43000	
14/07/2020	21/07/2020	ES2024251	23/07/2020	3	11	-	-	-	-	-	-	-	-	-	
28/07/2020	07/08/2020	ES2026276	11/08/2020	9	12	5	8.01	1.01	11.1	3.9	15	3.99	1.02	29000	
11/08/2020	19/08/2020	ES2028033	26/08/2020	8	41	-	-	-	-	-	-	-	-	-	
25/08/2020	02/09/2020	ES2029955	09/09/2020	2	8	5	8.14	0.16	10.4	2.1	12.5	4.05	1.34	13000	
08/09/2020	16/09/2020	ES2031741	17/09/2020	4	11	-	-	-	-	-	-	-	-	-	
22/09/2020	30/09/2020	ES2033505	02/10/2020	3	9	5	7.90	3.31	9.46	5.5	15	4.1	1.26	28000	
06/10/2020	14/10/2020	ES2035009	16/10/2020	2	5	-	-	-	-	-	-	-	-	-	
20/10/2020	28/10/2020	ES2036902	30/10/2020	8	16	29	8.36	4.13	17.1	10.5	27.6	4.46	1.37	420000	
04/11/2020	13/11/2020	ES2039023	18/11/2020	2	5	-	-	-	-	-	-	-	-	-	
17/11/2020	26/11/2020	ES2040988	27/11/2020	2	19	5	8.14	7.49	13.6	9.8	23.4	4.42	1.63	7200	
01/12/2020	09/12/2020	ES2042657	10/12/2020	23	36	-	-	-	-	-	-	-	-	-	Increase in BOD and TSS as a result of process disruption attributed to change in influent quality
15/12/2020	30/12/2020	ES2044724	11/01/2021	2	18	5	8.31	0.27	9.7	2.7	12.4	1.86	1.36	15000	
29/12/2020	07/01/2021	ES2046068	11/01/2021	2	14	-	-	-	-	-	-	-	-	-	
06/01/2021	13/01/2021	ES2100523	15/01/2021	4	11	5	8.19	-	3.72	3.4	7.1	4.38	0.96	75000	
19/01/2021	28/01/2021	ES2101853	01/02/2021	2	8	-	-	-	-	-	-	-	-	-	

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02/02/2021	09/02/2021	ES2103500	11/02/2021	5	18	5	8.10		8.07	3.7	11.9	6.4	1.28	78000	
16/02/2021	24/02/2021	ES2105534	26/02/2021	2	14										
02/03/2021	09/03/2021	ES2107469	12/03/2021	2	23	5	8.12	0.33	17.1	4.5	21.6	5.14	1.23	10	
16/03/2021	24/03/2021	ES2109398	26/03/2021	3	26										
30/03/2021	09/04/2021	ES2111746	16/04/2021	56	5	5	8.42	0.27	12.7	2	14.7	3.49	1.1	18000	
13/04/2021	21/04/2021	ES2113615	23/04/2021	2	5										
27/04/2021	06/05/2021	ES2115719	10/05/2021	3	7	5	8.08	0.55	2.79	1.8	4.6	5.69	1.26	88000	
11/05/2021	20/05/2021	ES2117930	21/05/2021	10	13										
25/05/2021	02/06/2021	ES2119667	04/06/2021	2	8	5	8.18	0.06	1.81	1.3	3.1	1.17	1.27	12000	
08/06/2021	17/06/2021	ES2121589	18/06/2021	8	6										
22/06/2021	01/07/2021	ES2123278	02/07/2021	2	9	5	7.97	0.26	9.97	2.1	12.1	4.69	1.22	36000	
06/07/2021	15/07/2021	ES2125000	15/07/2021	2	6										
20/07/2021	11/08/2021	ES2126708	16/08/2021	3	12	6	8.13	0.11	2.44	3.0	5.4	4.93	1.14	120000	
03/08/2021	11/08/2021	ES2128189	16/08/2021	2	5										
17/08/2021	31/08/2021	ES2130552	01/09/2021	2	14	8	8.18	0.09	10.1	2.5	12.6	4.28	1.35	520	
01/09/2021	09/09/2021	ES2131853	13/09/2021	2	6										
14/09/2021	23/09/2021	ES2133531	27/09/2021	5	20	5	8.16	0.24	14.6	2.1	19.7	4.62	1.31	5600	
28/09/2021	07/10/2021	ES2135120	13/10/2021	2	5										
12/10/2021	20/10/2021	ES2136831	22/10/2021	2	6	5	8.09	0.1	11.2	1.5	12.7	5.04	1.08	19000	
26/10/2021	03/11/2021	ES2138830	05/11/2021	2	7										
09/11/2021	17/11/2021	ES2140594	22/11/2021	2	5	5	8.24	1.34	8.08	3.1	11.2	5.51	1.11	7500	
23/11/2021	01/12/2021	ES2142595	03/12/2021	2	5										
07/12/2021	15/12/2021	ES2144729	17/12/2021	7	32	5	8.04	4.85	8.73	7.8	16.5	4.18	1.17	980000	elevated TSS due to high hydraulic load
21/12/2021	04/01/2022	ES2146708	06/01/2022	2	12										
04/01/2022	12/01/2021	ES2200146	14/01/2022	2	5	5	8.39	6.32	10	8.1	18.1	4.19	1.46	17000	
18/01/2022	25/01/2022	ES2201628	28/01/2022	3	6										

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01/02/2022	09/02/2022	ES2203426	10/02/2022	2	11	<5	8.26	7.38	9.38	7.8	17.2	4.85	1.36	~140000	
15/02/2022	23/02/2022	ES2205240	25/02/2022	<2	7	-	-	-	-	-	-	-	-	-	
01/03/2022	09/03/2022	ES2207183	16/03/2022	<2	11	<5	8.24	1.2	6.48	3.4	9.9	4.36	1.19	130000	
15/03/2022	22/03/2022	ES2209364	24/03/2022	6	<5	-	-	-	-	-	-	-	-	-	
29/03/2022	07/04/2022	ES2211108	12/04/2022	<2	10	<5	8.26	0.1	8.69	2.6	11.3	5.66	1.18	18000	
12/04/2022	22/04/2022	ES2212985	26/04/2022	<2	<5	-	-	-	-	-	-	-	-	-	
27/04/2022	05/05/2022	ES2214497	06/05/2022	<2	5	<5	8.20	0.14	0.5	1.1	1.6	5.14	1.27	53000	
10/05/2022	18/05/2022	ES2216178	20/05/2022	2	<5	-	-	-	-	-	-	-	-	-	
24/05/2022	01/06/2022	ES2218151	03/06/2022	<2	8	<5	8.26	0.02	0.39	0.90	1.30	3.92	1.25	3500	
07/06/2022	16/06/2022	ES2220065	20/06/2022	<2	6	-	-	-	-	-	-	-	-	-	
21/06/2022	29/06/2022	ES2221856	04/07/2022	<2	<5	<5	8.30	0.11	6.07	1.4	7.5	4.64	1.37	~7000	
06/07/2022	14/07/2022	ES2223918	18/07/2022	6	10	-	-	-	-	-	-	-	-	-	
19/07/2022	27/07/2022	ES2225572	29/07/2022	4	5	<5	7.96	0.58	0.58	1.6	2.2	4.52	1.26	16000	
02/08/2022	09/08/2022	ES2227415	12/08/2022	2	<5	-	-	-	-	-	-	-	-	-	
16/08/2022	24/08/2022	ES2229338	26/08/2022	2	<5	<5	8.08	1.14	0.79	2.2	3	3.73	1.04	180000	
30/08/2022	07/09/2022	ES2231096	09/09/2022	<2	<5	-	-	-	-	-	-	-	-	-	
13/09/2022	21/09/2022	ES2232936	26/09/2022	3	7	6	8.08	0.12	0.36	1.4	10.8	4.27	1.14	25000	
26/09/2022	05/10/2022	ES2234450	06/10/2022	8	<5	-	-	-	-	-	-	-	-	-	
11/10/2022	19/10/2022	ES2236519	21/10/2022	3	<5	<5	8.12	0.1	1.42	1.3	2.7	3.46	1.01	14000	
25/10/2022	03/11/2022	ES2238413	04/11/2022	4	8	-	-	-	-	-	-	-	-	-	
08/11/2022	16/11/2022	ES2240463	18/11/2022	<2	<5	<5	8.25	0.18	0.53	1	1.5	2.24	1.3	38000	
22/11/2022	29/11/2022	ES2242367	06/12/2022	<2	<5	-	-	-	-	-	-	-	-	-	
06/12/2022	14/12/2022	ES2244162	19/12/2022	<2	6	<5	8.10	0.05	0.41	1	1.4	3.63	1.44	18000	
19/12/2022	05/01/2023	ES2246068	12/01/2023	2	5	-	-	-	-	-	-	-	-	-	
04/01/2023	13/01/2023	ES2300275	16/01/2023	6	16	7	8.09	15.3	<0.01	19.9	19.9	3.65	1.43	500000	
17/01/2023	25/01/2023	ES2301590	27/01/2023	2	<5	-	-	-	-	-	-	-	-	-	
31/01/2023	09/02/2023	ES2303186	13/02/2023	2	10	<5	8.25	0.27	0.65	1.6	2.2	5.59	1.34	21000	
14/02/2023	23/02/2023	ES2304899	24/02/2023	2	14	-	-	-	-	-	-	-	-	-	
28/02/2023	08/03/2023	ES2306762	13/03/2023	<2	9	<5	8.07	3.45	10.9	7.2	18.1	5.25	1.38	30000	
14/03/2023	22/03/2023	ES2308474	23/03/2023	<2	<5	-	-	-	-	-	-	-	-	-	
28/03/2023	04/04/2023	ES2310417	06/04/2023	<2	70	<5	8.21	0.2	9.92	2.3	12.2	5.37	1.29	2700	TSS impacted by maturation pond algae
11/04/2023	18/04/2023	ES2311874	20/04/2023	3	<5	-	-	-	-	-	-	-	-	-	
26/04/2023	04/05/2023	ES2313735	08/05/2023	<2	6	<5	8.25	0.15	9.72	2.4	12.1	5.97	1.31	16	
09/05/2023	17/05/2023	ES2315479	18/05/2023	<2	8	-	-	-	-	-	-	-	-	-	
23/05/2023	30/05/2023	ES2317278	01/06/2023	<2	<5	<5	7.97	0.1	10.6	1.3	11.9	5.54	1.33	47000	
06/06/2023	13/06/2023	ES2318973	21/06/2023	<2	6	-	-	-	-	-	-	-	-	-	
20/06/2023	28/06/2023	ES2320602	29/06/2023	<2	6	<5	8.16	0.13	8.82	1.9	10.7	6.02	1.31	13000	
04/07/2023	12/07/2023	ES2322304	14/07/2023	3	8	-	-	-	-	-	-	-	-	-	
18/07/2023	26/07/2023	ES2324033	28/07/2023	<2	<5	<5	8.31	0.156	10.6	2.3	12.9	5.7	-	~16	
01/08/2023	08/08/2023	ES2325708	09/08/2023	2	<5	-	-	-	-	-	-	-	-	-	
15/08/2023	25/08/2023	ES2327677	28/08/2023	<2	5	<5	8.38	0.14	13.4	3.1	16.5	5.48	-	47	
29/08/2023	04/09/2023	ES2329482	06/09/2023	4	<5	-	-	-	-	-	-	-	-	-	
12/09/2023	20/09/2023	ES2331240	22/09/2023	<2	<5	<5	8.12	0.63	7.62	2.4	10	3.53	1.21	2500	
26/09/2023	05/10/2023	ES2333120	06/10/2023	<2	<5	-	-	-	-	-	-	-	-	-	
10/10/2023	18/10/2023	ES2334970	23/10/2023	<2	<5	<5	8.27	0.61	23.4	4.6	28	4.16	1.42	24000	

Units of measure Key

unit	full wording	unit	full wording
mg/L	milligram per litre	u S/cm	micro Siemens per centimetre
pH	pH	cfu/100mL	coliforms detected per 100 milli

Quirindi Sewer Treatment Plant
Point 1 - Volume Monitoring

2019-20 Reporting Period

Date	Units	Monitoring frequency required	July 2019	August 2019	September 2019	October 2019	November 2019	Dec 2019	Jan 2020
1	kL/day	daily	231.57	313.71	221.53	233.13	281.31	129.31	146.60
2	kL/day	daily	325.90	285.87	271.10	275.46	288.05	127.81	137.62
3	kL/day	daily	318.51	257.09	401.04	298.15	290.60	131.83	158.31
4	kL/day	daily	356.62	310.76	430.04	315.26	486.34	146.15	166.60
5	kL/day	daily	424.13	342.77	324.43	268.22	366.90	166.71	148.84
6	kL/day	daily	518.69	246.08	377.17	286.44	319.09	180.30	109.80
7	kL/day	daily	588.86	184.39	282.90	307.18	280.00	175.82	112.38
8	kL/day	daily	681.76	178.89	287.55	211.06	204.72	183.09	122.44
9	kL/day	daily	850.88	182.57	314.09	170.67	155.82	208.93	119.98
10	kL/day	daily	855.21	172.42	291.93	176.94	164.06	212.33	129.59
11	kL/day	daily	825.61	134.54	333.08	178.51	178.62	192.75	103.11
12	kL/day	daily	905.75	194.09	400.80	263.80	165.81	172.49	116.02
13	kL/day	daily	1025.80	232.87	378.76	251.54	155.82	149.68	136.03
14	kL/day	daily	1030.47	239.05	350.69	295.80	155.30	172.28	143.33
15	kL/day	daily	1103.55	248.24	352.55	271.59	144.59	173.58	165.21
16	kL/day	daily	985.89	267.71	354.34	292.71	149.84	155.35	307.05
17	kL/day	daily	614.41	300.88	297.33	350.76	151.47	142.28	473.90
18	kL/day	daily	349.13	300.29	254.12	295.59	175.15	174.35	413.12
19	kL/day	daily	275.84	278.31	369.71	262.56	183.63	198.57	422.12
20	kL/day	daily	204.87	289.06	397.05	236.48	177.29	205.20	325.27
21	kL/day	daily	304.72	281.20	327.77	258.06	194.59	237.61	288.22
22	kL/day	daily	390.30	281.28	252.03	277.19	187.25	211.56	231.39
23	kL/day	daily	299.68	246.89	213.00	287.37	186.14	185.59	201.84
24	kL/day	daily	327.88	215.13	217.80	287.05	221.54	198.50	264.84
25	kL/day	daily	335.64	224.53	269.53	290.28	343.00	201.11	471.56
26	kL/day	daily	308.40	217.22	299.77	244.92	230.29	184.80	844.02
27	kL/day	daily	292.59	214.66	296.73	221.48	174.20	164.51	705.25
28	kL/day	daily	322.49	207.13	258.66	225.05	192.11	167.52	655.62
29	kL/day	daily	358.49	191.03	208.51	251.40	190.67	160.35	503.05
30	kL/day	daily	318.88	190.52	202.22	240.50	169.05	144.81	420.15
31	kL/day	daily	278.25	206.19		251.46		137.90	408.57
Monthly Summaries: Minimum Value	ML/day		204.87	134.54	202.22	170.67	144.59	127.81	103.11
Monthly Summaries: Maximum Value	ML/day		1103.55	342.77	430.04	350.76	486.34	237.61	844.02
Monthly Summaries: Mean	ML/day		516.48	239.85	307.87	260.54	218.77	173.97	288.77
Monthly Summaries: Median	ML/day		356.62	239.05	298.55	263.80	186.70	173.58	201.84
Monthly Summaries: Number of data points			31	31	30	31	30	31	31
Date that the Month's data was published									

2020-21 Reporting Period

Date	Feb 2020	Mar 2020	Apr 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	January 2021
1	334.69	301.46	487.86	477.90	451.22	485.72	463.04	357.80	205.03	481.98	252.70	244.61
2	197.85	286.18	438.34	426.06	384.88	497.21	410.41	495.93	227.73	393.22	298.69	264.48
3	163.93	232.69	498.62	421.26	363.78	537.14	416.81	423.48	232.54	369.09	351.10	507.57
4	139.57	222.29	755.78	448.13	347.47	432.14	421.76	338.62	260.32	345.49	390.61	790.09
5	147.34	328.66	650.50	429.72	338.23	349.03	408.62	365.48	262.93	330.60	485.69	500.64
6	185.07	498.51	523.64	380.89	327.95	364.91	379.87	418.84	249.09	333.03	494.14	609.31
7	366.07	424.44	447.63	343.34	317.58	364.99	394.07	403.75	246.24	345.61	389.60	715.53
8	441.31	337.69	405.12	329.88	301.25	385.96	421.66	341.46	240.18	274.18	308.83	516.09
9	810.93	303.67	373.35	320.95	337.77	430.33	391.08	331.09	197.91	202.75	274.03	422.38
10	1082.61	286.79	453.61	404.38	370.58	531.35	393.64	642.99	216.06	289.66	278.85	292.42
11	957.94	283.33	542.88	358.71	338.24	623.19	457.39	606.51	238.29	259.34	238.76	289.76
12	922.12	267.14	455.06	360.59	356.60	586.98	523.39	495.68	206.00	281.65	215.96	365.39
13	656.48	278.46	412.28	356.85	367.65	265.94	490.16	459.85	273.10	314.26	212.40	364.90
14	556.55	248.26	410.04	330.66	599.85	321.01	458.78	454.53	326.67	282.93	269.22	289.98
15	552.68	230.89	424.46	349.13	380.42	398.50	493.62	501.93	330.32	241.58	260.38	384.31
16	602.22	226.00	433.16	354.77	334.91	368.08	459.95	459.62	293.23	221.29	270.85	329.42
17	871.15	244.84	420.04	351.78	319.94	363.88	407.90	381.39	278.05	214.80	835.44	263.97
18	1575.38	257.56	359.95	360.91	242.38	415.70	393.71	376.73	292.27	226.93	702.97	281.71
19	1522.22	256.87	329.59	365.21	330.86	334.89	302.91	369.13	297.82	176.59	553.07	251.23
20	1079.01	269.86	303.03	364.78	302.90	326.32	225.35	482.39	346.60	251.09	373.46	302.83
21	719.93	263.60	321.99	446.19	332.04	339.87	201.36	543.86	321.81	269.80	351.08	327.28
22	510.98	255.22	341.00	481.71	364.85	339.86	223.56	406.45	380.04	364.75	1726.87	329.02
23	445.18	242.17	322.02	414.95	509.25	241.12	182.27	381.98	386.52	334.93	959.28	321.76
24	407.97	250.99	301.15	380.55	479.42	288.38	228.26	382.77	1107.33	300.21	643.10	302.00
25	521.69	305.69	290.26	397.03	491.67	398.50	191.53	412.48	2180.51	365.10	520.28	288.69
26	463.36	441.78	272.03	432.73	508.82	431.27	205.38	301.92	3070.46	343.08	397.40	252.72
27	416.26	476.79	291.25	459.70	479.98	683.59	160.89	346.54	1990.03	298.28	441.38	233.72
28	398.55	352.82	297.94	452.53	455.83	401.17	157.29	288.88	1155.81	291.39	441.26	245.92
29	338.65	228.13	251.02	442.48	471.34	594.84	104.87	245.33	988.00	246.84	388.77	89.55
30		336.72	326.12	460.19	493.08	521.56	147.01	225.18	781.13	217.65	395.48	258.87
31		570.75		448.78		471.47	189.15		605.13		147.31	244.63
Minimum Value (ML/day)	139.57	222.29	251.02	320.95	242.38	241.12	104.87	225.18	197.91	176.59	147.31	89.55
Maximum Value (ML/day)	1575.38	570.75	755.78	481.71	599.85	683.59	523.39	642.99	3070.46	481.98	1726.87	790.09
Mean (ML/day)	599.58	306.78	404.66	398.48	390.02	422.42	332.44	408.09	586.68	295.60	447.39	350.99
Median (ML/day)	510.98	278.46	407.58	397.03	364.32	398.50	393.64	393.26	293.23	290.53	388.77	302.00
Number of data points	29	31	30	31	30	31	31	30	31	30	31	31

Date	February 2021	March 2021	Apr 2021	May 2021	June 2021	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021	January 2022
1	291.87	411.86	382.37	466.11	366.63	514.12	474.69	344.55	378.13	425.02	853.58	762.57
2	602.32	509.42	329.76	496.58	355.58	917.25	432.38	398.94	354.36	383.42	712.03	780.89
3	490.46	399.18	336.89	461.37	458.54	840.59	446.80	354.69	277.23	328.18	589.88	894.04
4	413.57	308.56	339.52	431.19	541.77	770.99	359.40	345.08	334.65	325.27	555.16	808.86
5	386.50	235.24	300.67	437.03	458.63	657.77	362.86	585.30	385.17	486.58	463.12	820.87
6	469.15	283.19	434.34	434.53	414.42	536.65	439.83	527.61	345.28	512.69	531.58	801.84
7	931.93	290.49	507.85	520.79	406.27	576.24	467.86	419.51	314.42	536.51	859.07	761.59
8	673.69	314.07	414.76	471.57	468.22	486.17	459.02	340.30	214.35	990.77	887.57	843.87
9	489.64	392.44	325.44	573.14	512.38	147.27	475.56	280.55	237.08	825.51	1170.08	847.34
10	396.01	473.72	334.74	572.75	907.85	433.04	439.17	339.14	281.99	710.42	1112.80	887.91
11	335.30	391.31	279.01	648.48	372.97	897.86	363.32	373.71	638.11	750.85	787.27	914.52
12	329.74	490.26	295.55	653.50	472.81	759.77	318.09	358.86	665.16	1529.40	553.15	884.26
13	454.50	458.06	325.50	557.92	862.65	678.30	315.15	339.97	742.21	1127.16	555.85	849.12
14	551.36	1000.38	308.07	496.75	640.8	574.04	318.34	384.39	643.62	758.83	569.22	822.38
15	404.81	1877.74	405.47	460.91	563.85	729.28	318.71	336.20	511.51	643.72	472.17	1055.57
16	313.96	843.95	402.54	438.01	504.45	878.52	315.96	320.79	378.58	576.41	457.96	848.72
17	339.36	466.63	514.65	439.05	467.31	899.93	353.85	314.10	332.43	572.24	426.86	835.05
18	366.88	461.71	538.75	448.46	445.99	775.47	375.88	369.95	366.19	476.90	364.99	1215.05
19	320.28	429.76	470.87	413.73	441.98	675.77	392.09	374.11	407.03	371.12	384.51	954.52
20	298.18	483.28	415.03	392.73	430.15	592.98	328.78	373.07	266.16	366.36	333.49	881.20
21	288.61	514.61	295.62	384.40	436.81	606.81	302.72	376.41	270.81	725.80	337.93	867.27
22	265.17	635.34	319.57	370.02	414.52	572.91	312.62	386.59	306.95	2570.39	499.01	888.46
23	278.06	2041.87	370.00	344.51	413.7	571.73	420.91	392.72	338.87	1473.38	457.67	946.05
24	334.07	2678.10	373.11	329.96	416.75	542.11	88.94	408.26	377.06	796.04	389.81	923.95
25	357.22	1352.49	428.27	318.94	901.64	518.30	845.02	389.15	321.77	774.09	362.85	836.77
26	310.41	855.46	465.54	383.12	817.57	473.43	499.38	367.08	251.98	4832.25	278.24	835.80
27	348.98	597.65	473.50	380.58	684.03	453.50	499.55	375.61	248.76	3733.12	345.26	874.96
28	434.44	495.16	400.17	418.84	602.09	484.58	503.83	343.90	247.46	1727.23	350.13	936.82
29		459.93	382.75	373.20	518.24	487.72	429.26	325.84	346.38	1036.57	396.84	830.35
30		435.59	166.87	365.82	493.20	453.68	432.32	147.76	530.44	960.23	502.35	843.29
31		147.67		372.96		450.72	404.03		392.95		370.89	831.86
Minimum Value (ML/day)	265.17	147.67	166.87	318.94	355.58	147.27	88.94	147.76	214.35	325.27	278.24	761.59
Maximum Value (ML/day)	931.93	2678.10	538.75	653.50	907.85	917.25	845.02	585.30	742.21	4832.25	1170.08	1215.05
Mean (ML/day)	409.87	668.87	377.91	447.00	526.39	611.53	403.11	366.47	377.65	1044.22	546.17	873.73
Median (ML/day)	362.05	466.63	377.74	437.03	467.77	574.04	404.03	368.52	345.28	738.32	472.17	848.72
Number of data points	28	31	30	31	30	31	31	30	31	30	31	31

Date	February 2022	March 2022	April 2022	May 2022	June 2022	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022	January 2023
1	363.94	947.49	401.90	928.81	1070.17	665.87	0.00	751.51	1015.91	6009.88	943.18	932.99
2	561.93	941.39	384.81	982.86	1093.26	728.08	231.69	728.38	1025.26	2438.67	936.79	944.92
3	783.62	1090.49	440.55	977.90	1217.47	698.02	541.07	965.50	986.06	1755.07	951.48	914.93
4	495.96	1062.68	811.12	1004.93	1201.44	677.50	1210.26	881.76	985.00	1398.66	965.98	947.25
5	392.15	1094.55	643.33	1069.27	1010.59	698.82	1947.70	886.90	937.71	1320.05	917.41	923.89
6	410.80	1234.45	643.08	1074.43	963.48	1238.21	1339.45	844.75	948.95	1215.48	892.73	995.42
7	391.23	1265.70	777.66	1081.59	977.29	920.48	833.91	837.10	1940.95	1244.16	852.49	937.24
8	378.91	524.72	779.06	715.94	927.71	796.29	699.50	734.63	2508.83	1166.94	893.61	933.20
9	377.86	536.95	770.60	1020.13	990.00	712.89	603.40	1611.50	2851.91	1101.28	886.68	908.84
10	388.15	527.61	764.30	1290.00	1004.91	668.79	627.28	1095.01	1711.10	1072.04	852.03	921.73
11	396.75	894.94	317.81	1196.34	980.89	671.35	665.74	1018.88	1360.57	1132.20	833.17	898.28
12	393.67	1033.94	838.92	1253.51	915.74	646.64	1400.57	897.46	1218.64	1152.86	968.62	871.57
13	396.55	1096.64	864.71	1689.26	987.95	647.34	2279.44	890.79	1123.51	1838.66	991.29	881.06
14	427.82	1048.62	937.26	1319.87	991.30	676.72	1594.60	854.86	1255.22	4754.94	976.57	876.68
15	463.44	1023.74	684.55	1376.14	1046.93	667.81	1133.62	1804.37	1114.03	2010.11	903.00	823.86
16	499.63	977.02	436.33	1138.45	1007.38	668.62	1095.76	4087.94	1082.95	1482.52	928.73	816.59
17	593.66	955.97	472.53	1089.37	961.88	696.28	1115.78	1658.66	1069.40	1328.14	995.69	856.69
18	591.97	990.34	601.42	1118.51	980.83	747.38	832.27	1385.32	1072.91	1243.64	972.76	884.57
19	636.64	972.38	832.48	1007.23	1055.19	758.59	785.69	1150.93	1182.17	1143.35	926.14	878.88
20	488.21	0.00	981.22	1054.44	995.84	785.08	798.82	997.57	1197.04	1109.74	1030.93	880.10
21	381.68	0.00	911.20	1076.32	1022.81	812.92	840.00	1849.73	2436.56	1029.64	1017.62	866.16
22	542.51	356.62	1036.56	1077.19	438.82	856.12	760.46	3410.02	1667.88	969.14	981.07	1085.73
23	640.07	873.87	956.08	1026.64	544.75	776.90	724.65	1288.78	1493.57	871.96	1024.92	919.67
24	527.54	1067.43	1033.74	985.67	651.34	780.00	751.59	1686.45	1346.20	936.69	1110.89	934.74
25	515.29	1019.00	994.33	929.43	628.89	761.01	708.53	1333.38	1148.22	884.02	922.41	882.46
26	442.40	1143.49	996.68	1005.29	637.24	716.21	662.88	1153.85	1126.80	899.44	945.59	825.03
27	392.40	1195.75	1057.01	960.24	652.19	744.70	673.98	1093.76	1257.14	967.48	966.01	872.02
28	496.28	1203.59	1152.79	1043.35	616.54	756.85	138.11	1054.00	1201.23	977.96	968.39	932.63
29		1236.05	365.80	993.50	650.33	183.52	497.32	981.09	1123.09	952.66	908.42	951.35
30		1174.90	938.62	934.92	658.38		681.08	980.34	1094.61	890.42	907.95	947.37
31		731.21		1016.62			690.09		1863.83		915.74	1135.14
Minimum Value (ML/day)	363.94	0.00	317.81	715.94	438.82	183.52	0.00	728.38	937.71	871.96	833.17	816.59
Maximum Value (ML/day)	783.62	1265.70	1152.79	1689.26	1217.47	1238.21	2279.44	4087.94	2851.91	6009.88	1110.89	1135.14
Mean (ML/day)	477.54	910.37	760.88	1078.65	896.05	729.62	866.62	1297.17	1366.04	1509.93	944.78	915.52
Median (ML/day)	452.92	1019.00	795.09	1043.35	980.86	716.21	751.59	1036.44	1182.17	1148.11	943.18	914.93
Number of data points	28	31	30	31	30	29	31	30	31	30	31	31

Date	February 2023	March 2023	April 2023	May 2023	June 2023	July 2023	August 2023	September 2023	October 2023	Comments
1	987.96	511.92	0	936.83	880.77	708.09	870.11	801.00	808.24	Correct outflow data inserted to replace inflow data from February 2021 to February 2023 on 23 March 2023
2	927.97	0	0	935.35	845.85	669.56	761.13	856.13	1238.80	
3	886.06	0	0	892.07	861.49	780.97	784.30	826.73	853.41	
4	803.31	0	651.64	929.54	902.64	871.30	705.52	834.43	1505.50	
5	858.94	0	897.44	899.28	867.03	895.52	711.04	827.67	1092.86	
6	898.52	0	880.36	838.19	862.07	775.59	770.69	862.64	993.12	
7	841.26	0	1222.52	907.08	828.65	755.36	749.71	880.16	759.31	
8	860.10	0	903.17	809.45	867.01	608.08	772.97	1208.52	1335.67	
9	1113.41	0	895.96	842.02	636.81	650.29	747.75	1036.19	1095.12	
10	929.86	0	933.38	785.75	816.09	677.09	807.26	967.65	1068.08	
11	902.77	0	902.42	760.19	903.21	670.12	831.57	880.76	871.58	
12	962.08	0	931.70	718.65	857.15	738.80	830.07	839.97	669.42	
13	1024.34	0	902.95	765.02	957.27	769.86	836.81	890.85	721.31	
14	922.15	0	875.96	879.29	834.96	572.80	833.37	859.94	689.24	
15	893.36	0	891.29	891.46	813.59	651.88	832.95	872.98	713.64	
16	848.28	0	883.44	893.41	932.86	674.03	787.70	746.24	676.06	
17	847.33	0	859.16	871.81	1069.42	663.56	869.09	822.76	638.01	
18	873.24	0	872.09	905.06	937.61	670.55	898.59	734.56	664.20	
19	885.51	0	907.53	953.70	876.39	658.02	867.87	692.36	729.48	
20	872.34	0	897.53	957.13	836.34	356.37	955.17	684.38	645.74	
21	868.24	0	896.88	1029.68	910.46	541.96	885.82	703.20	677.63	
22	918.21	0	947.04	1000.19	1003.72	591.03	904.49	685.03	665.15	
23	899.97	0	890.44	982.12	1166.84	710.20	872.52	735.65	654.57	
24	890.89	0	892.62	951.89	1007.81	574.86	890.66	780.32	706.65	
25	873.57	0	945.07	969.66	1050.01	577.16	890.63	790.64	699.54	
26	891.23	0	917.25	862.44	990.67	736.76	922.67	901.11	700.04	
27	909.83	0	886.43	923.94	1001.49	864.11	877.38	786.06	731.59	
28	895.36	0	844.10	966.28	995.00	841.32	826.42	766.82	720.32	
29		0	1034.29	898.21	970.74	997.64	783.74	822.48	720.86	
30		0	1068.13	854.83	915.83	852.28	792.28	882.03	722.04	
31		0		892.44		866.51	830.69		676.02	
Minimum Value (ML/day)	803.31	0.00								
Maximum Value (ML/day)	1113.41	511.92								
Mean (ML/day)	903.07	16.51								
Median (ML/day)	892.30	0.00								
Number of data points	28	31								

Yearly Summary

	Units	Feb 2020 - Jan 2021	Feb 2021 - Jan 2022
Minimum Value	kL/day	89.55	88.94
Maximum Value	kL/day	3070.46	4832.25
Mean	kL/day	411.31	555.33
Median	kL/day	362.34	448.46
Annual Volume	kL	150539.11	202695.93
Number of data points		366	365

Units of measure Key

unit	full wording
kL/day	kilolitres per day

<u>Quirindi WWTP EPL 806 - Corrections Log</u>

Licence Monitoring Point	Sample Date	Pollutant	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason