Irrigation Water Quality Monitoring
Monitoring Point: 2
Monitoring Point Location: APPROVED IRRIGATION AREA
Licensee: SHOALHAVEN STARCHES PTY LTD, 160 Bolong Rd Bomaderry NSW 2541
EPA Licence Number: 883 EPA's Public Register: https://app.epa.nsw.gov.au/prpoeoapp/
Monitoring Frequency Required: QUARTERLY

Sample Date*	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
25/07/2019	2/08/2019	BOD	mg/L	3	54	91	145
		Conductivity	dS/m	3	2.4	2.6	2.72
		Nitrogen (total)	mg/L	3	66	102	139
		pH	pH	3	8.0	8.1	8.2
		Phosphorus (total)	mg/L	3	9.02	10.7	11.8
29/10/2019	7/11/2019	BOD	mg/L	8	13	36	58
		Conductivity	dS/m	8	1.61	2.2	3.41
		Nitrogen (total)	mg/L	8	48.7	84	116
		pH	pH	8	7.7	8.05	8.3
		Phosphorus (total)	mg/L	8	8.27	13.1	17.6
9/01/2020	17/01/2020	BOD	mg/L	4	11	126	375
		Conductivity	dS/m	4	1.58	2.6	3.96
		Nitrogen (total)	mg/L	4	85.8	118	180
		pH	pH	4	7.4	8.0	8.4
		Phosphorus (total)	mg/L	4	11.2	21.1	46.9
30/04/2020	7/05/2020	BOD	mg/L	4	18	25	39
		Conductivity	dS/m	4	1.44	2.3	3.95
		Nitrogen (total)	mg/L	4	70.6	105	194
		pH	pH	4	7.0	7.8	8.4
		Phosphorus (total)	mg/L	4	7.9	20.3	35

* last sample date of quarter

Sample Date	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
13/07/2020	20/07/2020	BOD	mg/L	5	17	132	445
		Conductivity	dS/m	5	2.54	3.0	3.56
		Nitrogen (total)	mg/L	5	114	154	221
		pH	pH	5	7.6	7.84	8.1
		Phosphorus (total)	mg/L	5	25.8	49	88.6
16/10/2020	26/10/2020	BOD	mg/L	4	15	45	73
		Conductivity	dS/m	5	2.35	2.93	3.29
		Nitrogen (total)	mg/L	4	49.9	112.2	147
		pH	pH	5	7.6	7.9	8.1
		Phosphorus (total)	mg/L	4	17.2	54.2	96.4
28/01/2021	4/02/2021	BOD	mg/L	6	20	71.33	152
		Conductivity	dS/m	6	3.04	3.39	3.88
		Nitrogen (total)	mg/L	6	123	148.5	182
		pH	pH	6	7.2	7.78	8.2
		Phosphorus (total)	mg/L	6	22.5	38.11	52.2
29/04/2021	6/05/2021	BOD	mg/L	2	26	366	706
		Conductivity	dS/m	2	2.48	3.29	4.09
		Nitrogen (total)	mg/L	2	178	1384	2590
		pH	pH	2	6.99	7.645	8.3
		Phosphorus (total)	mg/L	2	47.2	150.1	253
26/07/2021	2/08/2021	BOD	mg/L	1	9	9	9
		Conductivity	dS/m	1	3.4	3.4	3.4
		Nitrogen (total)	mg/L	1	134	134	134
		pH	pH	1	8.29	8.29	8.29
		Phosphorus (total)	mg/L	1	36.5	36.5	36.5

Sample Date	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
22/02/2022	3/03/2022	BOD	mg/L	1	130	130	130
		Conductivity	dS/m	1	3.82	3.8	3.82
		Nitrogen (total)	mg/L	1	233	233	233
		pH	pH	1	8.15	8.15	8.15
		Phosphorus (total)	mg/L	1	70.6	70.6	70.6
23/06/2022	13/07/2022	BOD	mg/L	1	38	38	38
		Conductivity	dS/m	1	NT	NT	NT
		Nitrogen (total)	mg/L	1	119	119	119
		pH	pH	1	7.71	7.71	7.71
		Phosphorus (total)	mg/L	1	102	102	102
25/10/2022	2/11/2022	BOD	mg/L	1	< 2	< 2	< 2
		Conductivity	dS/m	1	NT	NT	NT
		Nitrogen (total)	mg/L	1	10.6	10.6	10.6
		pH	pH	1	7.9	7.9	7.9
		Phosphorus (total)	mg/L	1	6.41	6.41	6.41
10/01/2023	18/01/2023	BOD	mg/L	1	29	29	29
		Conductivity	dS/m	1	4.37	4.37	4.37
		Nitrogen (total)	mg/L	1	116	116	116
		pH	pH	1	7.96	7.96	7.96
		Phosphorus (total)	mg/L	1	200	200	200
3/05/2023	11/05/2023	BOD	mg/L	1	415	415	415
		Conductivity	dS/m	1	2.04	2.04	2.04
		Nitrogen (total)	mg/L	1	26.8	26.8	26.8
		pH	pH	1	7.45	7.45	7.45
		Phosphorus (total)	mg/L	1	81.5	81.5	81.5

Sample Date	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
3/07/2023	11/07/2023	BOD	mg/L	1	8.25	8.25	8.25
		Conductivity	dS/m	1	6.1	6.1	6.1
		Nitrogen (total)	mg/L	1	77.5	77.5	77.5
		pH	pH	1	8.25	8.25	8.25
		Phosphorus (total)	mg/L	1	182	182	182
26/09/2023	5/10/2023	BOD	mg/L	1	18	18	18
		Conductivity	dS/m	1	7.62	7.62	7.62
		Nitrogen (total)	mg/L	1	100	100	100
		pH	pH	1	8.85	8.85	8.85
		Phosphorus (total)	mg/L	1	144	144	144
18/12/2023	29/12/2023	BOD	mg/L	1	14	14	14
		Conductivity	dS/m	1	5.25	5.25	5.25
		Nitrogen (total)	mg/L	1	59.1	59.1	59.1
		pH	pH	1	8.53	8.53	8.53
		Phosphorus (total)	mg/L	1	85.2	85.2	85.2
12/03/2024	22/03/2024	BOD	mg/L	1	24	24	24
		Conductivity	dS/m	1	3.73	3.73	3.73
		Nitrogen (total)	mg/L	1	54.5	54.5	54.5
		pH	pH	1	8.51	8.51	8.51
		Phosphorus (total)	mg/L	1	48.5	48.5	48.5
4/06/2024	12/06/2024	BOD	mg/L	1	104	104	104
		Conductivity	dS/m	1	2.74	2.74	2.74
		Nitrogen (total)	mg/L	1	36	36	36
		pH	pH	1	8.42	8.42	8.42
		Phosphorus (total)	mg/L	1	32.3	32.3	32.3

Sample Date	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
26/08/2024	3/09/2024	BOD	mg/L	1	16	16	16
		Conductivity	dS/m	1	4.4	4.4	4.4
		Nitrogen (total)	mg/L	1	49.8	49.8	49.8
		pH	pH	1	8.44	8.44	8.44
		Phosphorus (total)	mg/L	1	47.4	47.4	47.4
18/11/2024	26/11/2024	BOD	mg/L	1	18	18	18
		Conductivity	dS/m	1	4.96	4.96	4.96
		Nitrogen (total)	mg/L	1	171	171	171
		pH	pH	1	8.21	8.21	8.21
		Phosphorus (total)	mg/L	1	66.2	66.2	66.2
13/02/2025	25/02/2025	BOD	mg/L	1	25	25	25
		Conductivity	dS/m	1	4.93	4.93	4.93
		Nitrogen (total)	mg/L	1	158	158	158
		pH	pH	1	8.21	8.21	8.21
		Phosphorus (total)	mg/L	1	59	59	59
21/07/2025	29/07/2025	BOD	mg/L	1	34	34	34
		Conductivity	dS/m	1	4.2	4.2	4.2
		Nitrogen (total)	mg/L	1	50.6	50.6	50.6
		pH	pH	1	8.31	8.31	8.31
		Phosphorus (total)	mg/L	1	58	58	58
1/09/2025	9/09/2025	BOD	mg/L	1	35	35	35
		Conductivity	dS/m	1	2.4	2.4	2.4
		Nitrogen (total)	mg/L	1	70.8	70.8	70.8
		pH	pH	1	8.22	8.22	8.22
		Phosphorus (total)	mg/L	1	40.4	40.4	40.4

Sample Date	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
1/12/2025	9/12/2025	BOD	mg/L	1	44	44	44
		Conductivity	dS/m	1	5.4	5.4	5.4
		Nitrogen (total)	mg/L	1	78.7	78.7	78.7
		pH	pH	1	8.65	8.65	8.65
		Phosphorus (total)	mg/L	1	33.7	33.7	33.7
18/12/2025	2/01/2026	BOD	mg/L	1	35	35	35
		Conductivity	dS/m	1	3.1	3.1	3.1
		Nitrogen (total)	mg/L	1	55.4	55.4	55.4
		pH	pH	1	8.08	8.08	8.08
		Phosphorus (total)	mg/L	1	27.8	27.8	27.8
13/01/2026	22/1/126	BOD	mg/L	1	15	15	15
		Conductivity	dS/m	1	4.4	4.4	4.4
		Nitrogen (total)	mg/L	1	70.8	70.8	70.8
		pH	pH	1	8.51	8.51	8.51
		Phosphorus (total)	mg/L	1	22.8	22.8	22.8
9/04/2026	17/04/2026	BOD	mg/L	1	31	31	31
		Conductivity	dS/m	1	3.1	3.1	3.1
		Nitrogen (total)	mg/L	1	54.4	54.4	54.4
		pH	pH	1	8.24	8.24	8.24
		Phosphorus (total)	mg/L	1	20.4	20.4	20.4
1/07/2026	9/07/2026	BOD	mg/L	1	15	15	15
		Conductivity	dS/m	1	2.04	2.04	2.04
		Nitrogen (total)	mg/L	1	64.5	64.5	64.5
		pH	pH	1	8.04	8.04	8.04
		Phosphorus (total)	mg/L	1	21.4	21.4	21.4

Sample Date	Results Obtained	Pollutant	Units	No. times measured during quarter	Min Value	Mean Value	Max Value
8/10/2026	19/10/2026	BOD	mg/L	1	22	22	22
		Conductivity	dS/m	1	3.2	3.2	3.2
		Nitrogen (total)	mg/L	1	61.9	61.9	61.9
		pH	pH	1	8.34	8.34	8.34
		Phosphorus (total)	mg/L	1	22	22	22
		BOD	mg/L				
		Conductivity	dS/m				
		Nitrogen (total)	mg/L				
		pH	pH				
		Phosphorus (total)	mg/L				
		BOD	mg/L				
		Conductivity	dS/m				
		Nitrogen (total)	mg/L				
		pH	pH				
		Phosphorus (total)	mg/L				
		BOD	mg/L				
		Conductivity	dS/m				
		Nitrogen (total)	mg/L				
		pH	pH				
		Phosphorus (total)	mg/L				
		BOD	mg/L				
		Conductivity	dS/m				
		Nitrogen (total)	mg/L				
		pH	pH				
		Phosphorus (total)	mg/L				