

Shoalhaven River Water Quality Monitoring Results

Monitoring Point Location: See Map Below

Licensee: SHOALHAVEN STARCHES PTY LTD, 160 Bolong Rd Bomaderry NSW 2541

EPA Licence Number: 883

Monitoring Frequency: Monitoring Frequency: once a week from a point upstream of the grain spill and at a point in the river where grain is located underwater (2 samples total)

Map Showing Water Quality Monitoring Locations



Date	Sample Point ID	BOD	TOC	HPC (22°C)	HPC (36°C)	Nutrients		Comments
						Total Nitrogen	Total Phosphorus	
	LOR	2	1	1	1	0.1	0.01	
	Units	mg/L	mg/L	cfu/mL	cfu/mL	mg/L	mg/L	
4/11/2024	GUW1 (Grain Underwater)	2	2	~340	190	0.2	0.03	~½ Hr before High Tide
	W400 (Point Upstream)	<2	2	150	160	0.3	0.05	~½ Hr before High Tide
11/11/2024	GUW1 (Grain Underwater)	6	2	~4300	~3300	0.4	0.07	~½ Hr before Low Tide
	W400 (Point Upstream)	3	3	130	180	0.2	0.04	~½ Hr before Low Tide
18/11/2024	GUW1 (Grain Underwater)	4	3	~120	~45	0.3	0.03	~½ Hr before High Tide
	W400 (Point Upstream)	3	3	~670	44	0.2	0.02	~½ Hr before High Tide
25/11/2024	GUW1 (Grain Underwater)	<2	5	130	92	0.2	0.01	~½ Hr before Low Tide
	W400 (Point Upstream)	<2	3	120	72	0.2	0.02	~½ Hr before Low Tide

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Monitoring Frequency: EPA Variation Notice 27/11/2024. Monitoring of total and dissolved nutrients and chlorophyll A. Sample twice weekly from four points in the Shoalhaven River (W4000, W2000, W400 and E2000).

Map Showing Water Quality Monitoring Locations



Date	Sample Point ID	Dissolved Nutrients						Total Nutrients						Chlorophyll A	Comments
		T.Nitrogen	Ammonia	TKN	Nitrate	Nitrite	T.Phosphorus	T.Nitrogen	Ammonia	TKN	Nitrate	Nitrite	T.Phosphorus	A	
	Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/m ³	
28/11/2024	W4000	0.2	0.09	0.2	0.02	<0.01	0.03	0.2	0.02	0.2	0.02	<0.01	0.04	1	~Low (slack) Tide
	W2000	0.1	0.08	0.1	0.02	<0.01	0.02	0.2	0.02	0.2	0.02	<0.01	0.03	2	~Low (slack) Tide
	W400	0.2	0.03	0.2	0.02	<0.01	0.02	0.2	0.03	0.2	0.02	<0.01	0.03	2	~Low (slack) Tide
	E2000	0.1	0.04	0.1	0.02	<0.01	0.02	0.1	0.02	0.1	0.02	<0.01	0.04	1	~Low (slack) Tide