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# Environmental Monitoring Report

## Water Monitoring

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# Dunmore Lakes Sand Project

April 2026



This monitoring report is to satisfy the requirements of Section 66 (6) of the Protection of the Environment and Operations Act 1997, to make available, within 14 days of request, any monitoring data that relates to pollution under an Environment Protection Licence.

The monitoring of pollutants provided in this report is undertaken as per the requirements of Environment Protection Licence 11147 (EPL 11147 – Boral Dunmore Lakes Sand Project)

This report provides environmental monitoring data for Dunmore Lakes Sand Project for the period of March 2022 to March 2026.

Dunmore Lakes Sand Project Information	
Premise Details	Boral – Dunmore Lakes Sand Project
Address	Princes Highway, Dunmore NSW, 2529
Licensee	Boral Resources (NSW) PTY LTD
EPL N°	11147
EPL Location	<a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33270&amp;SYSUID=1&amp;LICID=11147">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33270&amp;SYSUID=1&amp;LICID=11147</a>

Monitoring data in this report relates to the monitoring undertaken for Water Quality.



## Water Monitoring

Water Quality Monitoring is conducted as per condition M2.3 of EPL 11147. The water quality results for the reporting period are tabled below.

Sample Period: March 2026  
Licensee: Dunmore Lakes Sand Project  
Address: Princes Hwy, Dunmore NSW 2529  
EPL No: 11147

Location	Monitoring Frequency	Results received	Pollutant	Measurement	Unit	Comments
Monitoring Point 9 DW16	Daily during discharge	March 2026	pH TSS	-	pH mg/L	No discharge



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Historical Results

Location	Monitoring Frequency	Results received	Pollutant	Measurement	Unit	Comments
Monitoring Point 9 DW16	Daily during discharge	February 2026	pH TSS	-	pH mg/L	No discharge
Monitoring Point 9 DW16	Daily during discharge (22/01/2026)	04/02/2026	pH TSS	8.20 15	pH mg/L	Uncontrolled discharge event due to heavy rain (117mm in 24h)
Monitoring Point 9 DW16	Daily during discharge (21/01/2026)	04/02/2026	pH TSS	8.21 14	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (20/01/2026)	31/01/2026	pH TSS	8.32 12	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (19/01/2026)	31/01/2026	pH TSS	8.25 31	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (18/01/2026)	30/01/2026	pH TSS	-	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge	December 2025	pH TSS	-	pH mg/L	No discharge
Monitoring Point 9 DW16	Daily during discharge	November 2025	pH TSS	-	pH mg/L	No discharge
Monitoring Point 9 DW16	Daily during discharge	October 2025	pH TSS	-	pH mg/L	No discharge
Monitoring Point 9 DW16	Daily during discharge (16/09/2025)	23/09/2025	pH TSS	7.84 11	pH mg/L	Uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (15/09/2025)	23/09/2025	pH TSS	8.0 12	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (14/09/2025)	23/09/2025	pH TSS	7.95 14	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (13/09/2025)	23/09/2025	pH TSS	7.81 19	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (12/09/2025)	23/09/2025	pH TSS	7.82 16	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (25/08/2025)	29/08/2025	pH TSS	7.88 6	pH mg/L	Uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (24/08/2025)	29/08/2025	pH TSS	7.04 6	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (23/08/2025)	29/08/2025	pH TSS	7.11 10	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (22/08/2025)	27/08/2025	pH TSS	7.65 8	pH mg/L	



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Monitoring Point 9 DW16	Daily during discharge (21/08/2025)	27/08/2025	pH TSS	7.83 <5	pH mg/L	
Monitoring Point 9 DW16	Weekly until a 200mm freeboard is reached (12/08/2025)	22/08/2025	pH TSS	7.51 <5	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (07/08/2025)	14/08/2025	pH TSS	7.98 9	pH mg/L	Uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (06/08/2025)	14/08/2025	pH TSS	7.90 10	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (05/08/2025)	14/08/2025	pH TSS	6.86 10	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (04/08/2025)	13/08/2025	pH TSS	7.80 12	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (03/08/2025)	13/08/2025	pH TSS	7.99 17	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (06/07/2025)	16/07/2025	pH TSS	7.52 10	pH mg/L	Uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (05/07/2025)	15/07/2025	pH TSS	7.64 22	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (04/07/2025)	11/07/2025	pH TSS	7.77 10	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (03/07/2025)	10/07/2025	pH TSS	8.06 16	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (02/07/2025)	10/07/2025	pH TSS	8.18 28	pH mg/L	
Monitoring Point 9 DW16	Weekly until a 200mm freeboard is reached (05/06/2025)	13/06/2025	pH TSS	8.08 8	pH mg/L	Uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (29/05/2025)	10/06/2025	pH TSS	8.15 10	pH mg/L	One large ongoing uncontrolled



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Monitoring Point 9 DW16	Daily during discharge (28/05/2025)	06/06/2025	pH TSS	7.97 14	pH mg/L	discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (27/05/2025)	05/06/2025	pH TSS	8.15 14	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (26/05/2025)	03/06/2025	pH TSS	7.92 23	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (01/04/2025)	11/04/2025	pH TSS <sup>1</sup>	8.28 15	pH mg/L	One large ongoing uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	Daily during discharge (02/04/2025)	09/04/2025	pH TSS	8.11 11	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (03/04/2025)	11/04/2025	pH TSS	8.24 <5	pH mg/L	
Monitoring Point 9 DW16	Daily during discharge (31/03/2025)	09/04/2025	pH TSS	8.07 15	pH mg/L	One large ongoing uncontrolled discharge event due to continuous heavy rain.
Monitoring Point 9 DW16	26/08/2024	11/02/2025	pH TSS	8.17 12	pH mg/L	Single day, controlled discharge to increase freeboard prior to rain event
	30/07/2024	02/09/2024	pH Total Suspended Solids	7.9 13	pH mg/L	One large ongoing uncontrolled discharge event due to continuous heavy rain.
	29/07/2024	02/09/2024	pH Total Suspended Solids	7.9 18	pH mg/L	
	28/07/2024	02/09/2024	pH Total Suspended Solids	7.9 19	pH mg/L	
	27/07/2024	02/09/2024	pH Total Suspended Solids	7.9 17	pH mg/L	
	26/07/2024	02/09/2024	pH Total Suspended Solids	7.8 8	pH mg/L	
	24/07/2024	02/09/2024	pH Total Suspended Solids	7.8 15	pH mg/L	
	23/07/2024	02/09/2024	pH Total Suspended Solids	7.8 20	pH mg/L	
	22/07/2024	02/09/2024	pH Total Suspended Solids	7.8 19	pH mg/L	
	21/07/2024	02/09/2024	pH Total Suspended Solids	7.8 25	pH mg/L	
	20/07/2024	02/09/2024	pH Total Suspended Solids	7.7 24	pH mg/L	

<sup>1</sup> TSS = Total Suspended Solids



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19/07/2024	02/09/2024	pH	7.8	pH
		Total Suspended Solids	16	mg/L
18/07/2024	02/09/2024	pH	7.7	pH
		Total Suspended Solids	19	mg/L
17/07/2024	15/08/2024	pH	7.1	pH
		Total Suspended Solids	19	mg/L
16/07/2024	15/08/2024	pH	7.1	pH
		Total Suspended Solids	21	mg/L
15/07/2024	15/08/2024	pH	7	pH
		Total Suspended Solids	35	mg/L
14/07/2024	15/08/2024	pH	7	pH
		Total Suspended Solids	32	mg/L
13/07/2024	15/08/2024	pH	6.8	pH
		Total Suspended Solids	17	mg/L
12/07/2024	15/08/2024	pH	6.7	pH
		Total Suspended Solids	13	mg/L
11/07/2024	15/08/2024	pH	6.9	pH
		Total Suspended Solids	12	mg/L
10/07/2024	07/08/2024	pH	7.6	pH
		Total Suspended Solids	6	mg/L
09/07/2024	07/08/2024	pH	7.6	pH
		Total Suspended Solids	8	mg/L
08/07/2024	07/08/2024	pH	7.6	pH
		Total Suspended Solids	12	mg/L
07/07/2024	07/08/2024	pH	7.6	pH
		Total Suspended Solids	6	mg/L
06/07/2024	07/08/2024	pH	7.6	pH
		Total Suspended Solids	14	mg/L
05/07/2024	26/07/2024	pH	7.7	pH
		Total Suspended Solids	18	mg/L
04/07/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	13	mg/L
03/07/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	16	mg/L
02/07/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	21	mg/L
01/07/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	24	mg/L
30/06/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	20	mg/L
28/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	18	mg/L
27/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	21	mg/L
25/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	14	mg/L
24/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	13	mg/L
23/06/2024	26/07/2024	pH	7.4	pH
		Total Suspended Solids	21	mg/L
22/06/2024	26/07/2024	pH	7.4	pH
		Total Suspended Solids	10	mg/L



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21/06/2024	26/07/2024	pH	7.4	pH
		Total Suspended Solids	16	mg/L
20/06/2024	26/07/2024	pH	7.4	pH
		Total Suspended Solids	18	mg/L
19/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	18	mg/L
18/06/2024	26/07/2024	pH	7.4	pH
		Total Suspended Solids	18	mg/L
17/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	20	mg/L
16/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	17	mg/L
15/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	25	mg/L
14/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	21	mg/L
13/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	14	mg/L
12/06/2024	26/07/2024	pH	7.3	pH
		Total Suspended Solids	27	mg/L
11/06/2024	26/07/2024	pH	7.4	pH
		Total Suspended Solids	29	mg/L
06/06/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	47	mg/L
05/06/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	18	mg/L
04/06/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	15	mg/L
03/06/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	13	mg/L
02/06/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	23	mg/L
01/06/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	9	mg/L
31/05/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	6	mg/L
30/05/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	12	mg/L
28/05/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	14	mg/L
27/05/2024	26/07/2024	pH	7.7	pH
		Total Suspended Solids	12	mg/L
26/05/2024	26/07/2024	pH	7.7	pH
		Total Suspended Solids	11	mg/L
25/05/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	10	mg/L
24/05/2024	26/07/2024	pH	7.6	pH
		Total Suspended Solids	8	mg/L
23/05/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	5	mg/L
22/05/2024	26/07/2024	pH	7.5	pH
		Total Suspended Solids	21	mg/L



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	21/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	48	mg/L	
	20/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	14	mg/L	
	19/05/2024	26/07/2024	pH	7.5	pH	
			Total Suspended Solids	16	mg/L	
	18/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	9	mg/L	
	17/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	20	mg/L	
	16/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	26	mg/L	
	15/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	27	mg/L	
	14/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	28	mg/L	
	13/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	33	mg/L	
	10/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	26	mg/L	
	09/05/2024	26/07/2024	pH	7.3	pH	
			Total Suspended Solids	38	mg/L	
	08/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	13	mg/L	
	07/05/2024	26/07/2024	pH	7.2	pH	
			Total Suspended Solids	17	mg/L	
	06/05/2024	26/07/2024	pH	7.2	pH	
			Total Suspended Solids	23	mg/L	
	05/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	25	mg/L	
	04/05/2024	26/07/2024	pH	7.4	pH	
			Total Suspended Solids	25	mg/L	
	03/05/2024	26/07/2024	pH	7.2	pH	
			Total Suspended Solids	13	mg/L	
Monitoring Point 9 DW16	12/04/2024	10/05/2024	pH	7.1	pH	One large ongoing uncontrolled discharge event after heavy rainfall.
			Total Suspended Solids	15	mg/L	
			Turbidity	17	NTU	
	11/04/2024	10/05/2024	pH	7.1	pH	
			Total Suspended Solids	109	mg/L	
		Turbidity	34	NTU		
	10/04/2024	10/05/2024	pH	7.1	pH	One large ongoing uncontrolled discharge event after heavy rainfall.
		Total Suspended Solids	24	mg/L		
		Turbidity	32	NTU		
09/04/2024	10/05/2024	pH	7.1	pH		
		Total Suspended Solids	37	mg/L		
		Turbidity	29	NTU		
	08/04/2024	01/05/2024	pH	7.1	pH	One large ongoing uncontrolled discharge event after heavy rainfall.
		Total Suspended Solids	19	mg/L		
			Turbidity	16	NTU	



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Monitoring Point 9 DW16	19/03/2024	07/05/2024	pH Total Suspended Solids Turbidity	7 14 6.5	pH mg/L NTU	One large ongoing uncontrolled discharge event after heavy rainfall.
Monitoring Point 9 DW16	09/02/2024		pH Total Suspended Solids Turbidity	7.9 18 6.2	pH mg/L NTU	Uncontrolled discharge ended on 04/02/2024 and controlled discharge initiated on 06/02/2024.
	08/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.8 30 9.7	pH mg/L NTU	
	07/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.6 28 8	pH mg/L NTU	
	06/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.7 29 6.8	pH mg/L NTU	
Monitoring Point 9 DW16	04/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	8 27 4.9	pH mg/L NTU	One large ongoing uncontrolled discharge event after heavy rainfall.
	03/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	8 28 4.4	pH mg/L NTU	
	02/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	ND ND ND	pH mg/L NTU	
	01/02/2024	22/3/2024	pH Total Suspended Solids Turbidity	8 19 5	pH mg/L NTU	
	30/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.8 11 6.7	pH mg/L NTU	
	29/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	8 5 6	pH mg/L NTU	
	28/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.8 11 5.7	pH mg/L NTU	
	27/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.7 5 3.8	pH mg/L NTU	
	26/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.9 6 3.9	pH mg/L NTU	
	25/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	8 5 4.9	pH mg/L NTU	
	24/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.9 14 4	pH mg/L NTU	



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	23/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.9 14 7.2	pH mg/L NTU	
	22/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.7 28 5.8	pH mg/L NTU	
Monitoring Point 9 DW16	20/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	8.1 15 6.4	pH mg/L NTU	One large ongoing uncontrolled discharge event after heavy rainfall.
	19/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 14 3.4	pH mg/L NTU	
	18/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	8 11 1.2	pH mg/L NTU	
	17/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.6 11 5.2	pH mg/L NTU	
	16/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.6 18 7.2	pH mg/L NTU	
	15/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 14 5	pH mg/L NTU	
	14/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 8 3.5	pH mg/L NTU	
	13/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.7 15 4.2	pH mg/L NTU	
	12/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 9 3.3	pH mg/L NTU	
	11/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 7 3.4	pH mg/L NTU	
	10/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.8 17 3.3	pH mg/L NTU	
	09/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 13 2.5	pH mg/L NTU	
	08/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.4 18 4.9	pH mg/L NTU	
	07/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.3 14 3	pH mg/L NTU	
	06/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.4 17 7.4	pH mg/L NTU	



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	05/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.3 16 4.5	pH mg/L NTU	
	04/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.1 6 2.2	pH mg/L NTU	
	03/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.2 8 3.8	pH mg/L NTU	
	02/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.5 7 4.9	pH mg/L NTU	
	01/01/2024	22/3/2024	pH Total Suspended Solids Turbidity	7.2 11 6.5	pH mg/L NTU	
Monitoring Point 9 DW16	29/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.3 6 3.3	pH mg/L NTU	One large ongoing uncontrolled discharge event after heavy rainfall.
	27/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.5 11 12	pH mg/L NTU	
	25/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.8 18 12	pH mg/L NTU	
	24/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.8 5 5.7	pH mg/L NTU	
	23/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.7 11 9.1	pH mg/L NTU	
	22/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.7 4 11	pH mg/L NTU	
	21/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.7 18 15	pH mg/L NTU	
	20/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.7 17 12	pH mg/L NTU	
Monitoring Point 9 DW16	18/12/2023	04/03/2024	pH Total Suspended Solids Turbidity	7.8 14 4.1	pH mg/L NTU	Two independent controlled discharge events to increase freeboard prior to rain event.
	15/12/2023	01/02/2024	pH Total Suspended Solids Turbidity	7.9 15 22	pH mg/L NTU	
Monitoring Point 9 DW16	05/12/2023	01/02/2024	pH Total Suspended Solids Turbidity	8.3 1.0 3.4	pH mg/L NTU	Associated with an uncontrolled discharge event followed by a
	04/12/2023	01/02/2024	pH	8.3	pH	



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			Total Suspended Solids Turbidity	3.0 7.4	mg/L NTU	controlled discharge event.
	03/12/2023	01/02/2024	pH Total Suspended Solids Turbidity	8.1 6.0 7.8	pH mg/L NTU	
	02/12/2023	01/02/2024	pH Total Suspended Solids Turbidity	8.2 4.0 10	pH mg/L NTU	
	01/12/2023	01/02/2024	pH Total Suspended Solids Turbidity	8.1 21 19	pH mg/L NTU	
	30/11/2023	01/02/2024	pH Total Suspended Solids Turbidity	8.2 20 25	pH mg/L NTU	
	29/11/2023	01/02/2024	pH Total Suspended Solids Turbidity	8.3 13 16	pH mg/L NTU	
Monitoring Point 9 DW16	16/09/2023	16/10/2023	pH Total Suspended Solids Turbidity	8 17 9.5	pH mg/L NTU	Associated with one ongoing controlled discharge event
	15/09/2023	16/10/2023	pH Total Suspended Solids Turbidity	8 9 6.7	pH mg/L NTU	
	14/09/2023	16/10/2023	pH Total Suspended Solids Turbidity	8.3 19 15	pH mg/L NTU	
	13/09/2023	16/10/2023	pH Total Suspended Solids Turbidity	8.2 7 16	pH mg/L NTU	
	12/09/2023	16/10/2023	pH Total Suspended Solids Turbidity	8.1 11 16	pH mg/L NTU	
	11/09/2023	16/10/2023	pH Total Suspended Solids Turbidity	8.0 10 20	pH mg/L NTU	
Monitoring Point 9 DW20b	22/06/2023	30/06/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	There was no instance where 50 mm of rainfall was received at the premises within a 48 hour period in June
Monitoring Point 10 DW21a	22/06/2023	30/06/2023	pH Total suspended solids Turbidity	7.0 22 19	pH mg/L NTU	
Monitoring Point 11 EPL12	22/06/2023	30/06/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 12 EPL11	22/06/2023	30/06/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	22/06/2023	30/06/2023	pH Total suspended solids	6.7 34	pH mg/L	



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			Turbidity	45	NTU	
Monitoring Point 9 DW20b	23/05/2023	05/06/2023	pH Total suspended solids Turbidity	7.7 331 45	pH mg/L NTU	There was no instance where 50 mm of rainfall was received at the premises within a 48 hour period in May
Monitoring Point 10 DW21a	23/05/2023	05/06/2023	pH Total suspended solids Turbidity	6.9 10 17	pH mg/L NTU	
Monitoring Point 11 EPL12	23/05/2023	05/06/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 12 EPL11	23/05/2023	05/06/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	23/05/2023	05/06/2023	pH Total suspended solids Turbidity	6.6 221 60	pH mg/L NTU	
Monitoring Point 9 DW20b	20/04/2023	03/05/2023	pH Total suspended solids Turbidity	7.5 17 15	pH mg/L NTU	There was no instance where 50 mm of rainfall was received at the premises within a 48 hour period in April
Monitoring Point 10 DW21a	20/04/2023	03/05/2023	pH Total suspended solids Turbidity	6.9 14 7.7	pH mg/L NTU	
Monitoring Point 11 EPL12	20/04/2023	03/05/2023	pH Total suspended solids Turbidity	7.7 10 1.2	pH mg/L NTU	
Monitoring Point 12 EPL11	20/04/2023	03/05/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	20/04/2023	03/05/2023	pH Total suspended solids Turbidity	6.9 32 19	pH mg/L NTU	
Monitoring Point 9 DW20b	23/03/2023	03/04/2023	pH Total suspended solids Turbidity	7.6 22 12	pH mg/L NTU	
Monitoring Point 10 DW21a	23/03/2023	03/04/2023	pH Total suspended solids Turbidity	6.9 24 6.8	pH mg/L NTU	
Monitoring Point 11 EPL12	23/03/2023	03/04/2023	pH Total suspended solids Turbidity	7.5 70 29	pH mg/L NTU	
Monitoring Point 12 EPL11	23/03/2023	03/04/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	23/03/2023	03/04/2023	pH Total suspended solids Turbidity	6.8 21 7.5	pH mg/L NTU	
Monitoring Point 9 DW20b	15/03/2023	03/04/2023	pH Total suspended solids	7.4 31	pH mg/L	Monitoring within 24 hours of



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			Turbidity	45	NTU	50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	15/03/2023	03/04/2023	pH	6.8	pH	
			Total suspended solids	27	mg/L	
			Turbidity	37	NTU	
Monitoring Point 11 EPL12	15/03/2023	03/04/2023	pH	7.5	pH	
			Total suspended solids	24	mg/L	
			Turbidity	18	NTU	
Monitoring Point 12 EPL11	15/03/2023	03/04/2023	pH	6.5	pH	
			Total suspended solids	5	mg/L	
			Turbidity	23	NTU	
Monitoring Point 18 EPL13	15/03/2023	03/04/2023	pH	6.7	pH	
			Total suspended solids	33	mg/L	
			Turbidity	40	NTU	
Monitoring Point 9 DW20b	23/02/2023	03/04/2023	pH	7.7	pH	
			Total suspended solids	13	mg/L	
			Turbidity	23	NTU	
Monitoring Point 10 DW21a	23/02/2023	03/04/2023	pH	7.2	pH	
			Total suspended solids	13	mg/L	
			Turbidity	9.6	NTU	
Monitoring Point 11 EPL12	23/02/2023	03/04/2023	pH	7.5	pH	
			Total suspended solids	5	mg/L	
			Turbidity	1.6	NTU	
Monitoring Point 12 EPL11	23/02/2023	03/04/2023	pH	ND	pH	
			Total suspended solids		mg/L	
			Turbidity		NTU	
Monitoring Point 18 EPL13	23/02/2023	03/04/2023	pH	7.2	pH	
			Total suspended solids	10	mg/L	
			Turbidity	9.4	NTU	
Monitoring Point 9 DW20b	09/02/2023	06/03/2023	pH	7.3	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	346	mg/L	
			Turbidity	400	NTU	
Monitoring Point 10 DW21a	09/02/2023	06/03/2023	pH	7.2	pH	
			Total suspended solids	79	mg/L	
			Turbidity	90	NTU	
Monitoring Point 11 EPL12	09/02/2023	06/03/2023	pH	7	pH	
			Total suspended solids	69	mg/L	
			Turbidity	110	NTU	
Monitoring Point 12 EPL11	09/02/2023	06/03/2023	pH	6.6	pH	
			Total suspended solids	36	mg/L	
			Turbidity	70	NTU	
Monitoring Point 18 EPL13	09/02/2023	06/03/2023	pH	6.9	pH	
			Total suspended solids	12	mg/L	
			Turbidity	9.7	NTU	
Monitoring Point 9 DW20b	19/01/2023	06/03/2023	pH	7.2	pH	There was no instance where 50 mm of rainfall was received at the premises
			Total suspended solids	7	mg/L	
			Turbidity	4.4	NTU	
Monitoring Point 10 DW21a	19/01/2023	06/03/2023	pH	7.0	pH	
			Total suspended solids	22	mg/L	
			Turbidity	4.8	NTU	



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Monitoring Point 11 EPL12	19/01/2023	06/03/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	within a 48 hour period in January
Monitoring Point 12 EPL11	19/01/2023	06/03/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	19/01/2023	06/03/2023	pH Total suspended solids Turbidity	6.4 37 17	pH mg/L NTU	
Monitoring Point 9 DW20b	15/12/2023	06/02/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	There was no instance where 50 mm of rainfall was received at the premises within a 48 hour period in December
Monitoring Point 10 DW21a	15/12/2023	06/02/2023	pH Total suspended solids Turbidity	7.1 42 2.5	pH mg/L NTU	
Monitoring Point 11 EPL12	15/12/2023	06/02/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 12 EPL11	15/12/2023	06/02/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	15/12/2023	06/02/2023	pH Total suspended solids Turbidity	7.4 39 12	pH mg/L NTU	
Monitoring Point 9 DW20b	23/11/2023	06/02/2023	pH Total suspended solids Turbidity	7.7 13 50	pH mg/L NTU	There was no instance where 50 mm of rainfall was received at the premises within a 48 hour period in November
Monitoring Point 10 DW21a	23/11/2023	06/02/2023	pH Total suspended solids Turbidity	7.5 17 20	pH mg/L NTU	
Monitoring Point 11 EPL12	23/11/2023	06/02/2023	pH Total suspended solids Turbidity	7.8 39 16	pH mg/L NTU	
Monitoring Point 12 EPL11	23/11/2023	06/02/2023	pH Total suspended solids Turbidity	ND	pH mg/L NTU	
Monitoring Point 18 EPL13	23/11/2023	06/02/2023	pH Total suspended solids Turbidity	7.5 73 50	pH mg/L NTU	
Monitoring Point 9 DW20b	25/10/2022	8/12/2022	pH Total suspended solids Turbidity	7.4 17 21	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	25/10/2022	8/12/2022	pH Total suspended solids Turbidity	7.2 18 24	pH mg/L NTU	
Monitoring Point 11 EPL12	25/10/2022	8/12/2022	pH Total suspended solids Turbidity	7.0 22 27	pH mg/L NTU	
Monitoring Point 12 EPL11	25/10/2022	8/12/2022	pH Total suspended solids	7.7 45	pH mg/L	



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			Turbidity	60	NTU	
Monitoring Point 18 EPL13	25/10/2022	8/12/2022	pH	7.1	pH	
			Total suspended solids	31	mg/L	
			Turbidity	26	NTU	
Monitoring Point 9 DW20b	22/10/2022	8/12/2022	pH	7.3	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	50	mg/L	
			Turbidity	27	NTU	
Monitoring Point 10 DW21a	22/10/2022	8/12/2022	pH	6.8	pH	
			Total suspended solids	34	mg/L	
			Turbidity	18	NTU	
Monitoring Point 11 EPL12	22/10/2022	8/12/2022	pH	7.6	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	12	mg/L	
			Turbidity	11	NTU	
Monitoring Point 12 EPL11	22/10/2022	8/12/2022	pH	7.5	pH	
			Total suspended solids	5	mg/L	
			Turbidity	15	NTU	
Monitoring Point 18 EPL13	22/10/2022	8/12/2022	pH	6.9	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	54	mg/L	
			Turbidity	19	NTU	
Monitoring Point 9 DW20b	10/10/2022	8/12/2022	pH	7.7	pH	
			Total suspended solids	36	mg/L	
			Turbidity	40	NTU	
Monitoring Point 10 DW21a	10/10/2022	8/12/2022	pH	6.9	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	27	mg/L	
			Turbidity	36	NTU	
Monitoring Point 11 EPL12	10/10/2022	8/12/2022	pH	7.8	pH	
			Total suspended solids	96	mg/L	
			Turbidity	90	NTU	
Monitoring Point 12 EPL11	10/10/2022	8/12/2022	pH	6.6	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	19	mg/L	
			Turbidity	17	NTU	
Monitoring Point 18 EPL13	10/10/2022	8/12/2022	pH	7.3	pH	
			Total suspended solids	17	mg/L	
			Turbidity	29	NTU	
Monitoring Point 9 DW20b	7/10/2022	8/12/2022	pH	7.8	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	44	mg/L	
			Turbidity	24	NTU	
Monitoring Point 10 DW21a	7/10/2022	8/12/2022	pH	7.2	pH	
			Total suspended solids	54	mg/L	
			Turbidity	65	NTU	
Monitoring Point 11 EPL12	7/10/2022	8/12/2022	pH	7.6	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	17	mg/L	
			Turbidity	17	NTU	
Monitoring Point 12 EPL11	7/10/2022	8/12/2022	pH	6.8	pH	
			Total suspended solids	26	mg/L	
			Turbidity	22	NTU	
Monitoring Point 18 EPL13	7/10/2022	8/12/2022	pH	7.5	pH	Monitoring within 24 hours of 50mm rainfall in 48 hour period
			Total suspended solids	33	mg/L	
			Turbidity	40	NTU	



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Monitoring Point 9 DW20b	30/09/2022	8/11/2022	pH Total suspended solids Turbidity	7.9 30 24	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	30/09/2022	8/11/2022	pH Total suspended solids Turbidity	7.2 28 38	pH mg/L NTU	
Monitoring Point 11 EPL12	30/09/2022	8/11/2022	pH Total suspended solids Turbidity	8.1 24 13	pH mg/L NTU	
Monitoring Point 12 EPL11	30/09/2022	8/11/2022	pH Total suspended solids Turbidity	6.8 10 11	pH mg/L NTU	
Monitoring Point 18 EPL13	30/09/2022	8/11/2022	pH Total suspended solids Turbidity	7.1 29 37	pH mg/L NTU	
Monitoring Point 9 DW20b	25/08/2022	5/10/2022	pH Total suspended solids Turbidity	7.7 21 55	pH mg/L NTU	There was no instance where 50 mm of rainfall was received at the premises within a 48 hour period in August
Monitoring Point 10 DW21a	25/08/2022	5/10/2022	pH Total suspended solids Turbidity	7.9 24 23	pH mg/L NTU	
Monitoring Point 11 EPL12	25/08/2022	5/10/2022	pH Total suspended solids Turbidity	7.3 13 2.4	pH mg/L NTU	
Monitoring Point 12 EPL11	25/08/2022	5/10/2022	pH Total suspended solids Turbidity	ND ND ND	pH mg/L NTU	
Monitoring Point 18 EPL13	25/08/2022	5/10/2022	pH Total suspended solids Turbidity	7.3 105 75	pH mg/L NTU	
Monitoring Point 9 DW20b	6/07/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	7.2 20 50	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	6/07/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	6.9 5.5 22	pH mg/L NTU	
Monitoring Point 11 EPL12	6/07/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	6.9 22 28	pH mg/L NTU	
Monitoring Point 12 EPL11	6/07/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	7.4 4 5.9	pH mg/L NTU	
Monitoring Point 18 EPL13	6/07/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	6.8 5.5 19	pH mg/L NTU	
Monitoring Point 9 DW20b	23/06/2022	10/08/2022	pH Total suspended solids Turbidity	ND ND ND	pH mg/L NTU	There was no instance where 50 mm of rainfall



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Monitoring Point 10 DW21a	23/06/2022	10/08/2022	pH Total suspended solids Turbidity	7.1 16 29	pH mg/L NTU	was received at the premises within a 48 hour period in June
Monitoring Point 11 EPL12	23/06/2022	10/08/2022	pH Total suspended solids Turbidity	ND ND ND	pH mg/L NTU	
Monitoring Point 12 EPL11	23/06/2022	10/08/2022	pH Total suspended solids Turbidity	ND ND ND	pH mg/L NTU	
Monitoring Point 18 EPL13	23/06/2022	10/08/2022	pH Total suspended solids Turbidity	6.9 104 95	pH mg/L NTU	
Monitoring Point 9 DW20b	23/05/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	7.5 23 30	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	23/05/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	7.0 26 36	pH mg/L NTU	
Monitoring Point 11 EPL12	23/05/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	6.8 9 18	pH mg/L NTU	
Monitoring Point 12 EPL11	23/05/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	7.5 13 12	pH mg/L NTU	
Monitoring Point 18 EPL13	23/05/2022 (50mm rainfall)	28/07/2022	pH Total suspended solids Turbidity	7.0 33 34	pH mg/L NTU	
Monitoring Point 9 DW20b	12/05/2022 (50mm rainfall)	3/06/2022	pH Total suspended solids Turbidity	6.9 42 70	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	12/05/2022 (50mm rainfall)	3/06/2022	pH Total suspended solids Turbidity	7.8 2.5 21	pH mg/L NTU	
Monitoring Point 11 EPL12	12/05/2022 (50mm rainfall)	3/06/2022	pH Total suspended solids Turbidity	7.6 26 50	pH mg/L NTU	
Monitoring Point 12 EPL11	12/05/2022 (50mm rainfall)	3/06/2022	pH Total suspended solids Turbidity	6.9 10 34	pH mg/L NTU	
Monitoring Point 18 EPL13	12/05/2022 (50mm rainfall)	3/06/2022	pH Total suspended solids Turbidity	7.7 24 32	pH mg/L NTU	
Monitoring Point 9 DW20b	8/04/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	7.3 11 33	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	8/04/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	ND ND ND	pH mg/L NTU	
Monitoring Point 11 EPL12	8/04/2022	27/04/2022	pH Total suspended solids	7.3 19	pH mg/L	



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	(50mm rainfall)		Turbidity	45	NTU	
Monitoring Point 12 EPL11	8/04/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	6.7 2 25	pH mg/L NTU	
Monitoring Point 18 EPL13	8/04/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity		pH mg/L NTU	
Monitoring Point 9 DW20b	31/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	7.1 21 34.1	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21a	31/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	6.9 14 16.8	pH mg/L NTU	
Monitoring Point 11 EPL12	31/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	7.3 92 80.2	pH mg/L NTU	
Monitoring Point 12 EPL11	31/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	6.8 16 18.9	pH mg/L NTU	
Monitoring Point 18 EPL13	31/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	6.9 18 20.1	pH mg/L NTU	
Monitoring Point 9 DW20b	29/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	7.1 12 16.2	pH mg/L NTU	
Monitoring Point 10 DW21a	29/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	6.8 16 18.9	pH mg/L NTU	
Monitoring Point 11 EPL12	29/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	7.1 179 143	pH mg/L NTU	
Monitoring Point 12 EPL11	29/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	7.2 207 141	pH mg/L NTU	
Monitoring Point 18 EPL13	29/03/2022 (50mm rainfall)	27/04/2022	pH Total suspended solids Turbidity	6.9 25 15.7	pH mg/L NTU	
Monitoring Point 9 DW20b	10/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	7.2 18 27.3	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 10 DW21b	10/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	NA NA NA	pH mg/L NTU	
Monitoring Point 11 EPL12	10/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	7.6 16 38.6	pH mg/L NTU	
Monitoring Point 12 EPL11	10/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	6.8 6.0 7.63	pH mg/L NTU	



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Monitoring Point 18 EPL13	10/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	7.0 15 7.63	pH mg/L NTU	Monitoring within 24 hours of 50mm rainfall in 48 hour period
Monitoring Point 9 DW20b	1/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	7.3 10 16.6	pH mg/L NTU	
Monitoring Point 10 DW21b	1/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	NA NA NA	pH mg/L NTU	
Monitoring Point 11 EPL12	1/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	7.3 25 16.9	pH mg/L NTU	
Monitoring Point 12 EPL11	1/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	6.8 5 6.26	pH mg/L NTU	
Monitoring Point 18 EPL13	1/03/2022 (50mm rainfall)	31/03/2022	pH Total suspended solids Turbidity	6.9 18 9.76	pH mg/L NTU	
Further historical monitoring data relating to water quality can be found in the associated Annual Reviews for each year. Location of the Dunmore Lakes Sand Project Annual Reviews can be found at <a href="https://www.boral.com.au/locations/boral-dunmore-operations">https://www.boral.com.au/locations/boral-dunmore-operations</a>						



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Dunmore Lakes Sand Project Monitoring Locations.

Water Quality Monitoring Locations

