

Environmental Monitoring Report

Dunmore Lakes Sand Project

April 2024

Date Published: June 2024



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 February 2020 to February 2024.

	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	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.as px?DOCID=33270&SYSUID=1&LICID=11147

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: April 2024

Licensee: Dunmore Lakes Sand Project
Address: Princes Hwy, Dunmore NSW 2529

EPL No: 11147

Location	Monitoring Frequency	Results received	Pollutant	Measurement	Unit	Comments
		•				•
Monitoring	12/04/2024	10/05/2024	рН	7.1	рН	
Point 9 DW16			Total Suspended Solids	15	mg/L	
			Turbidity	17	NTU	
	11/04/2024	10/05/2024	pН	7.1	рН	
			Total Suspended Solids	109	mg/L	
			Turbidity	34	NTU	One large ongoing
	10/04/2024	10/05/2024	pН	7.1	рН	uncontrolled
			Total Suspended Solids	24	mg/L	discharge event
			Turbidity	32	NTU	after heavy
	09/04/2024	10/05/2024	рН	7.1	рН	rainfall.
			Total Suspended Solids	37	mg/L	
			Turbidity	29	NTU	
	08/04/2024	01/05/2024	рН	7.1	рН	
			Total Suspended Solids	19	mg/L	
			Turbidity	16	NTU	
						One large ongoing
						uncontrolled
Monitoring	19/03/2024	07/05/2024	рН	7	рН	discharge event
Point 9 DW16			Total Suspended Solids	14	mg/L	after heavy
			Turbidity	6.5	NTU	rainfall.
Monitoring	09/02/2024		рН	7.9	рН	
Point 9 DW16			Total Suspended Solids	18	mg/L	
			Turbidity	6.2	NTU	Uncontrolled
	08/02/2024	22/3/2024	рН	7.8	рН	discharge ended
			Total Suspended Solids	30	mg/L	on 04/02/2024
			Turbidity	9.7	NTU	and controlled
	07/02/2024	22/3/2024	рН	7.6	рН	discharge
			Total Suspended Solids	28	mg/L	initiated on
			Turbidity	8	NTU	06/02/2024.
	06/02/2024	22/3/2024	рН	7.7	рН	00/02/2024.
			Total Suspended Solids	29	mg/L	
			Turbidity	6.8	NTU	
Monitoring	04/02/2024	22/3/2024	рН	8	рН	
Point 9 DW16			Total Suspended Solids	27	mg/L	
			Turbidity	4.9	NTU	One large ongoing
	03/02/2024	22/3/2024	рН	8	рН	uncontrolled
			Total Suspended Solids	28	mg/L	discharge event
			Turbidity	4.4	NTU	after heavy
	02/02/2024	22/3/2024	рН	ND	рН	rainfall.
			Total Suspended Solids	ND	mg/L	
			Turbidity	ND	NTU	

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01/02/2024	22/3/2024	рН	8	рН
		Total Suspended Solids	19	mg/L
		Turbidity	5	NTU
30/01/2024	22/3/2024	рН	7.8	рН
		Total Suspended Solids	11	mg/L
		Turbidity	6.7	NTU
29/01/2024	22/3/2024	рН	8	рН
		Total Suspended Solids	5	mg/L
		Turbidity	6	NTU
28/01/2024	22/3/2024	рН	7.8	рН
		Total Suspended Solids	11	mg/L
		Turbidity	5.7	NTU
27/01/2024	22/3/2024	рН	7.7	рН
		Total Suspended Solids	5	mg/L
		Turbidity	3.8	NTU
26/01/2024	22/3/2024	рН	7.9	рН
		Total Suspended Solids	6	mg/L
		Turbidity	3.9	NTU
25/01/2024	22/3/2024	рН	8	рН
		Total Suspended Solids	5	mg/L
		Turbidity	4.9	NTU
24/01/2024	22/3/2024	рН	7.9	рН
		Total Suspended Solids	14	mg/L
		Turbidity	4	NTU
23/01/2024	22/3/2024	pН	7.9	рН
		Total Suspended Solids	14	mg/L
		Turbidity	7.2	NTU
22/01/2024	22/3/2024	рН	7.7	рН
		Total Suspended Solids	28	mg/L
		Turbidity	5.8	NTU

Monitoring	20/01/2024	22/3/2024	рН	8.1	рН
Point 9 DW16			Total Suspended Solids	15	mg/L
			Turbidity	6.4	NTU
	19/01/2024	22/3/2024	pН	7.5	рН
			Total Suspended Solids	14	mg/L
			Turbidity	3.4	NTU
	18/01/2024	22/3/2024	pН	8	рН
			Total Suspended Solids	11	mg/L
			Turbidity	1.2	NTU
	17/01/2024	22/3/2024	pН	7.6	рН
			Total Suspended Solids	11	mg/L
			Turbidity	5.2	NTU
	16/01/2024	22/3/2024	рН	7.6	рН
			Total Suspended Solids	18	mg/L
			Turbidity	7.2	NTU
	15/01/2024	22/3/2024	рН	7.5	рН
			Total Suspended Solids	14	mg/L
			Turbidity	5	NTU
	14/01/2024	22/3/2024	рН	7.5	рН
			Total Suspended Solids	8	mg/L
			Turbidity	3.5	NTU
	13/01/2024	22/3/2024	рН	7.7	рН
			Total Suspended Solids	15	mg/L
			Turbidity	4.2	NTU
	12/01/2024	22/3/2024	рН	7.5	рН

One large ongoing uncontrolled discharge event after heavy rainfall.

Dullillore	Lakes Sallu	Project Liiviroiiiileiita		
		Total Suspended Solids	9	mg/L
		Turbidity	3.3	NTU
11/01/2024	22/3/2024	рН	7.5	рН
		Total Suspended Solids	7	mg/L
		Turbidity	3.4	NTU
10/01/2024	22/3/2024	рН	7.8	рН
		Total Suspended Solids	17	mg/L
		Turbidity	3.3	NTU
09/01/2024	22/3/2024	рН	7.5	рН
		Total Suspended Solids	13	mg/L
		Turbidity	2.5	NTU
08/01/2024	22/3/2024	рН	7.4	рН
		Total Suspended Solids	18	mg/L
		Turbidity	4.9	NTU
07/01/2024	22/3/2024	рН	7.3	рН
		Total Suspended Solids	14	mg/L
		Turbidity	3	NTU
06/01/2024	22/3/2024	рН	7.4	рН
		Total Suspended Solids	17	mg/L
		Turbidity	7.4	NTU
05/01/2024	22/3/2024	рН	7.3	рН
		Total Suspended Solids	16	mg/L
		Turbidity	4.5	NTU
04/01/2024	22/3/2024	рН	7.1	рН
		Total Suspended Solids	6	mg/L
		Turbidity	2.2	NTU
03/01/2024	22/3/2024	рН	7.2	рН
		Total Suspended Solids	8	mg/L
		Turbidity	3.8	NTU
02/01/2024	22/3/2024	рН	7.5	рН
		Total Suspended Solids	7	mg/L
		Turbidity	4.9	NTU
01/01/2024	22/3/2024	рН	7.2	рН
	1	Takal Communical Calida	11	m ~ /1
		Total Suspended Solids Turbidity	6.5	mg/L NTU

^{*}Awaiting laboratory results

ND: No discharge from sampling site NA: Not yet activated by operations

Dunmore Lakes Sand Project Environmental Monitoring Report **Historical Water Monitoring Data**

Location	Monitoring	Results	Pollutant	Measurement	Unit	Comments
	Frequency	received				
Monitoring	29/12/2023	04/03/2024	рН	7.3	nЦ	<u> </u>
Monitoring	29/12/2023	04/03/2024	Total Suspended Solids	7.3 6	pH mg/L	
Point 9 DW16			Turbidity	3.3	NTU	
	27/12/2023	04/03/2024	pH	7.5	pH	
	11, 12, 2020	0 ., 00, 202 .	Total Suspended Solids	11	mg/L	
			Turbidity	12	NTU	
	25/12/2023	04/03/2024	pH	7.8	рН	
			Total Suspended Solids	18	mg/L	
			Turbidity	12	NTU	
	24/12/2023	04/03/2024	рН	7.8	рН	One large ongoing
			Total Suspended Solids	5	mg/L	uncontrolled
			Turbidity	5.7	NTU	discharge event
	23/12/2023	04/03/2024	pH	7.7	pН	after heavy
			Total Suspended Solids	11	mg/L	rainfall.
	22/12/222		Turbidity	9.1	NTU	
	22/12/2023	04/03/2024	pH	7.7	pН	
			Total Suspended Solids	4	mg/L	
	21/12/2023	04/03/2024	Turbidity pH	7.7	NTU	-
	21/12/2023	04/03/2024	Total Suspended Solids	18	pH mg/L	
			Turbidity	15	NTU	
	20/12/2023	04/03/2024	pH	7.7	pH	-
	20/12/2023	04/03/2024	Total Suspended Solids	17	mg/L	
			Turbidity	12	NTU	
Monitoring	18/12/2023	04/03/2024	pH	7.8	рН	Two independent
Point 9 DW16	10, 11, 1010	0 ., 00, 202 .	Total Suspended Solids	14	mg/L	controlled
			Turbidity	4.1	NTU	discharge events
	15/12/2023	01/02/2024	pH	7.9	рН	to increase
			Total Suspended Solids	15	mg/L	freeboard prior to
			Turbidity	22	NTU	rain event.
Monitoring	05/12/2023	01/02/2024	рН	8.3	рН	
Point 9 DW16			Total Suspended Solids	1.0	mg/L	
			Turbidity	3.4	NTU	
	04/12/2023	01/02/2024	рН	8.3	рН	
			Total Suspended Solids	3.0	mg/L	
			Turbidity	7.4	NTU	
	03/12/2023	01/02/2024	pH	8.1	pН	
			Total Suspended Solids	6.0	mg/L	Associated with
	00/40/0000	04/00/0004	Turbidity	7.8	NTU	an uncontrolled
	02/12/2023	01/02/2024	pH	8.2	рН	discharge event
			Total Suspended Solids	4.0	mg/L	followed by a controlled
	01/12/2022	01/02/2024	Turbidity	10	NTU	discharge event.
	01/12/2023	01/02/2024	pH Total Suspended Solids	8.1 21	pH mg/L	discharge event.
			Turbidity	19	NTU	
	30/11/2023	01/02/2024	pH	8.2	pH	
	30, 11, 2023	32,32,2024	Total Suspended Solids	20	mg/L	
			Turbidity	25	NTU	
	29/11/2023	01/02/2024	pH	8.3	рН	
		, ,	Total Suspended Solids	13	mg/L	

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			Turbidity	16	NTU	
	1.6 (00 (2022	45/40/2022				T
Monitoring	16/09/2023	16/10/2023	pH	8	pН	
Point 9 DW16			Total Suspended Solids	17	mg/L	
			Turbidity	9.5	NTU	
	15/09/2023	16/10/2023	pH	8	pН	
			Total Suspended Solids	9	mg/L	
			Turbidity	6.7	NTU	
	14/09/2023	16/10/2023	рН	8.3	рН	
			Total Suspended Solids	19	mg/L	Associated with
			Turbidity	15	NTU	one ongoing
	13/09/2023	16/10/2023	рН	8.2	рН	controlled
			Total Suspended Solids	7	mg/L	discharge event
			Turbidity	16	NTU	
	12/09/2023	16/10/2023	рН	8.1	рН	
			Total Suspended Solids	11	mg/L	
			Turbidity	16	NTU	
	11/09/2023	16/10/2023	рН	8.0	рН	
			Total Suspended Solids	10	mg/L	
			Turbidity	20	NTU	
			·			
Monitoring	22/06/2023	30/06/2023	рН	ND	рН	
Point 9 DW20b			Total suspended solids		mg/L	
			Turbidity		NTU	
Monitoring	22/06/2023	30/06/2023	рН	7.0	рН	
Point 10 DW21a			Total suspended solids	22	mg/L	There was no
			Turbidity	19	NTU	instance where
Monitoring	22/06/2023	30/06/2023	pН	ND	рН	50 mm of rainfall
Point 11 EPL12			Total suspended solids		mg/L	was received at
			Turbidity		NTU	the premises
Monitoring	22/06/2023	30/06/2023	pН	ND	рН	within a 48 hour
Point 12 EPL11	, ,	, ,	Total suspended solids		mg/L	period in June
			Turbidity		NTU	
Monitoring	22/06/2023	30/06/2023	рН	6.7	рН	1
Point 18 EPL13	,,	00,00,00	Total suspended solids	34	mg/L	
			Turbidity	45	NTU	
			· sometimes		1 121.5	
Monitoring	23/05/2023	05/06/2023	рН	7.7	рН	
Point 9 DW20b			Total suspended solids	331	mg/L	
			Turbidity	45	NTU	
Monitoring	23/05/2023	05/06/2023	рН	6.9	рН	
Point 10 DW21a			Total suspended solids	10	mg/L	There was no
			Turbidity	17	NTU	instance where
Monitoring	23/05/2023	05/06/2023	рН	ND	рН	50 mm of rainfall
Point 11 EPL12			Total suspended solids		mg/L	was received at
	<u> </u>	<u> </u>	Turbidity		NTU	the premises
Monitoring	23/05/2023	05/06/2023	рН	ND	рН	within a 48 hour
Point 12 EPL11			Total suspended solids		mg/L	period in May
			Turbidity		NTU	
Monitoring	23/05/2023	05/06/2023	pН	6.6	рН	1
Point 18 EPL13			Total suspended solids	221	mg/L	
-			Turbidity	60	NTU	
		1	, ,			
Monitoring	20/04/2023	03/05/2023	рН	7.5	рН	There was no
Monitoring Point 9 DW20b	20/04/2023	03/05/2023	pH Total suspended solids	7.5 17	pH mg/L	There was no instance where

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Monitoring	20/04/2023	03/05/2023	рН	6.9	рН	was received at
Point 10 DW21a			Total suspended solids	14	mg/L	the premises
			Turbidity	7.7	NTU	within a 48 hour
Monitoring	20/04/2023	03/05/2023	рН	7.7	рН	period in April
Point 11 EPL12			Total suspended solids	10	mg/L	
			Turbidity	1.2	NTU	
Monitoring	20/04/2023	03/05/2023	pH	ND	рН	
Point 12 EPL11		, ,	Total suspended solids		mg/L	
			Turbidity		NTU	
Monitoring	20/04/2023	03/05/2023	pH	6.9	рН	
Point 18 EPL13		00,00,00	Total suspended solids	32	mg/L	
			Turbidity	19	NTU	
	<u> </u>				1	
Monitoring	23/03/2023	03/04/2023	рН	7.6	рН	
Point 9 DW20b	23/03/2023	03/04/2023	Total suspended solids	22	mg/L	
POINT 9 DW 200				12	NTU	
Manitarina	22/02/2022	02/04/2022	Turbidity			-
Monitoring	23/03/2023	03/04/2023	pH	6.9	pH	
Point 10 DW21a			Total suspended solids	24	mg/L	
N.A i.t i	22/02/2022	02/04/2022	Turbidity	6.8	NTU	-
Monitoring	23/03/2023	03/04/2023	pH	7.5	pH ,,	
Point 11 EPL12			Total suspended solids	70	mg/L	
	/ /		Turbidity	29	NTU	
Monitoring	23/03/2023	03/04/2023	pH	ND	pН	
Point 12 EPL11			Total suspended solids		mg/L	
			Turbidity		NTU	
Monitoring	23/03/2023	03/04/2023	рН	6.8	рН	
Point 18 EPL13			Total suspended solids	21	mg/L	
			Turbidity	7.5	NTU	
Monitoring	15/03/2023	03/04/2023	рН	7.4	рН	
Point 9 DW20b			Total suspended solids	31	mg/L	
			Turbidity	45	NTU	
Monitoring	15/03/2023	03/04/2023	рН	6.8	рН	
Point 10 DW21a			Total suspended solids	27	mg/L	
			Turbidity	37	NTU	A 4 11 1 11 1
Monitoring	15/03/2023	03/04/2023	рН	7.5	рН	Monitoring within
Point 11 EPL12			Total suspended solids	24	mg/L	24 hours of
			Turbidity	18	NTU	50mm rainfall in
Monitoring	15/03/2023	03/04/2023	pН	6.5	рН	48 hour period
Point 12 EPL11			Total suspended solids	5	mg/L	
			Turbidity	23	NTU	
Monitoring	15/03/2023	03/04/2023	pH	6.7	рН	
Point 18 EPL13		00,00,000	Total suspended solids	33	mg/L	
			Turbidity	40	NTU	
	1	I			1	
Monitoring	23/02/2023	03/04/2023	рН	7.7	рН	
Point 9 DW20b	23/02/2023	03/04/2023	Total suspended solids	13	1 -	
FUIIL 3 DW ZUD			· · · · · · · · · · · · · · · · · · ·		mg/L	
N4==i+==i-=	22/02/2022	02/04/2022	Turbidity	23	NTU	-
Monitoring	23/02/2023	03/04/2023	pH	7.2	pH	
Point 10 DW21a			Total suspended solids	13	mg/L	
		2015:15	Turbidity	9.6	NTU	
Monitoring	23/02/2023	03/04/2023	pH	7.5	pН	
Point 11 EPL12			Total suspended solids	5	mg/L	
			Turbidity	1.6	NTU	
Monitoring	23/02/2023	03/04/2023	рН	ND	рН	
Point 12 EPL11			Total suspended solids		mg/L	
		•	Turbidity	1	NTU	1

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Monitoring	23/02/2023	03/04/2023	pН	7.2	pH	
Point 18 EPL13			Total suspended solids	10	mg/L	
			Turbidity	9.4	NTU	
Monitoring	09/02/2023	06/03/2023	рН	7.3	рН	1
Point 9 DW20b	03/02/2023	00/03/2023	Total suspended solids	346	mg/L	
FUIIL 9 DVV200			Turbidity	400	NTU	
Monitoring	09/02/2023	06/03/2023	pH	7.2	pH	-
Point 10 DW21a	09/02/2023	00/03/2023	Total suspended solids	7.2 79		
POINT 10 DVV21a			Turbidity	90	mg/L NTU	
Monitoring	09/02/2023	06/03/2023	pH	7	pH	Monitoring within
Point 11 EPL12	03/02/2023	00/03/2023	Total suspended solids	69	mg/L	24 hours of
FOIII II LFLIZ			Turbidity	110	NTU	50mm rainfall in
Monitoring	09/02/2023	06/03/2023	pH	6.6	pH	48 hour period
Point 12 EPL11	09/02/2023	00/03/2023	Total suspended solids	36		
POIIIL 12 EPL11			Turbidity	70	mg/L NTU	
Monitoring	09/02/2023	06/03/2023	pH	6.9	-	-
•	09/02/2023	06/03/2023		12	pH mg/l	
Point 18 EPL13			Total suspended solids	9.7	mg/L NTU	
	1		Turbidity	9./	INIU	
Monitoring	19/01/2023	06/03/2023	рН	7.2	рН	
Point 9 DW20b	15, 51, 2025	33,33,2023	Total suspended solids	7.2	mg/L	
101111 3 0 00 200			Turbidity	4.4	NTU	
Monitoring	19/01/2023	06/03/2023	рН	7.0	pH	-
Point 10 DW21a	13/01/2023	00/03/2023	Total suspended solids	22	mg/L	There was no
1 OIII 10 DVV21a			Turbidity	4.8	NTU	instance where
Monitoring	19/01/2023	06/03/2023	рН	ND	pH	50 mm of rainfall
Point 11 EPL12	19/01/2023	00/03/2023	Total suspended solids	ND	mg/L	was received at
FOIIIL II LFLIZ			Turbidity		NTU	the premises
Monitoring	19/01/2023	06/03/2023	pH	ND	pH	within a 48 hour
Point 12 EPL11	19/01/2023	00/03/2023	Total suspended solids	ND	mg/L	period in January
FOIIIL 12 LFL11			Turbidity		NTU	period in January
Monitoring	19/01/2023	06/03/2023	pH	6.4		-
Point 18 EPL13	19/01/2023	00/03/2023	Total suspended solids	37	pH mg/L	
PUIII 10 EPL13			Turbidity	17	NTU	
	1		Turblatty	17	1410	
Monitoring	15/12/2023	06/02/2023	рН	ND	рН	
Point 9 DW20b		00,02,202	Total suspended solids		mg/L	
			Turbidity		NTU	
Monitoring	15/12/2023	06/02/2023	рН	7.1	рН	-
Point 10 DW21a		00,02,202	Total suspended solids	42	mg/L	There was no
			Turbidity	2.5	NTU	instance where
Monitoring	15/12/2023	06/02/2023	рН	ND	рН	50 mm of rainfall
Point 11 EPL12		00,02,202	Total suspended solids		mg/L	was received at
			Turbidity		NTU	the premises
Monitoring	15/12/2023	06/02/2023	pH	ND	pH	within a 48 hour
Point 12 EPL11	, ==, ===	,,	Total suspended solids	1	mg/L	period in
			Turbidity		NTU	December
Monitoring	15/12/2023	06/02/2023	pH	7.4	pH	1
Point 18 EPL13	,,,	,,	Total suspended solids	39	mg/L	
			Turbidity	12	NTU	
	1	l			1	1
Monitoring	23/11/2023	06/02/2023	рН	7.7	рН	There was no
Point 9 DW20b	, ,	, , , , , , , , , , , , , , , , , , ,	Total suspended solids	13	mg/L	instance where
			Turbidity	50	NTU	50 mm of rainfall
Monitoring	23/11/2023	06/02/2023	pH	7.5	pH	was received at
Point 10 DW21a	, ==, ===	,,	Total suspended solids	17	mg/L	the premises
	1	1	-1	ı		

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			Turbidity	20	NTU	within a 48 hour
Monitoring	23/11/2023	06/02/2023	рН	7.8	рН	period in
Point 11 EPL12			Total suspended solids	39	mg/L	November
			Turbidity	16	NTU	
Monitoring	23/11/2023	06/02/2023	рН	ND	pН	
Point 12 EPL11			Total suspended solids		mg/L	
			Turbidity		NTU	
Monitoring	23/11/2023	06/02/2023	рН	7.5	рН	
Point 18 EPL13			Total suspended solids	73	mg/L	
			Turbidity	50	NTU	
Monitoring	25/10/2022	8/12/2022	рН	7.4	рН	
Point 9 DW20b			Total suspended solids	17	mg/L	
			Turbidity	21	NTU	
Monitoring	25/10/2022	8/12/2022	pH	7.2	рН	
Point 10 DW21a		, .	Total suspended solids	18	mg/L	
			Turbidity	24	NTU	
Monitoring	25/10/2022	8/12/2022	pH	7.0	рН	Monitoring within
Point 11 EPL12		, ,	Total suspended solids	22	mg/L	24 hours of
			Turbidity	27	NTU	50mm rainfall in
Monitoring	25/10/2022	8/12/2022	pH	7.7	рН	48 hour period
Point 12 EPL11	23, 10, 2022	0, 12, 2022	Total suspended solids	45	mg/L	
101111 12 11 111			Turbidity	60	NTU	
Monitoring	25/10/2022	8/12/2022	pH	7.1	pH	
Point 18 EPL13	23/10/2022	0/12/2022	Total suspended solids	31	mg/L	
PUIIIL 10 EPL13			Turbidity	26	NTU	l
			Turblatty		INTO	
Monitoring	22/10/2022	8/12/2022	рН	7.3	рН	
Point 9 DW20b	22/10/2022	0/12/2022	•	50		
Point 9 DW200			Total suspended solids		mg/L	
Manitarina	22/10/2022	0/12/2022	Turbidity	27	NTU	
Monitoring	22/10/2022	8/12/2022	pH	6.8	pH	
Point 10 DW21a			Total suspended solids	34	mg/L	
	22/40/2022	0/40/2022	Turbidity	18	NTU	Monitoring within
Monitoring	22/10/2022	8/12/2022	pH	7.6	pH ,,	24 hours of
Point 11 EPL12			Total suspended solids	12	mg/L	50mm rainfall in
		- 1 - 1	Turbidity	11	NTU	48 hour period
Monitoring	22/10/2022	8/12/2022	pH	7.5	pН	
Point 12 EPL11			Total suspended solids	5	mg/L	
			Turbidity	15	NTU	
Monitoring	22/10/2022	8/12/2022	рН	6.9	рН	
Point 18 EPL13			Total suspended solids	54	mg/L	
			Turbidity	19	NTU	
		T .		T	T	Γ
Monitoring	10/10/2022	8/12/2022	рН	7.7	рН	
Point 9 DW20b			Total suspended solids	36	mg/L	
			Turbidity	40	NTU	
Monitoring	10/10/2022	8/12/2022	pН	6.9	рН	
Point 10 DW21a			Total suspended solids	27	mg/L	
			Turbidity	36	NTU	Monitoring within
Monitoring	10/10/2022	8/12/2022	рН	7.8	рН	24 hours of
Point 11 EPL12			Total suspended solids	96	mg/L	50mm rainfall in
			Turbidity	90	NTU	48 hour period
Monitoring	10/10/2022	8/12/2022	pH	6.6	рН	
Point 12 EPL11	,	, , , ,	Total suspended solids	19	mg/L	
			Turbidity	17	NTU	
Monitoring	10/10/2022	8/12/2022	pH	7.3	pH	
Point 18 EPL13		5,, _5	Total suspended solids	17	mg/L	
	t	t			0/ -	<u> </u>

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			Turbidity	29	NTU	
		_			_	
Monitoring	7/10/2022	8/12/2022	рН	7.8	рН	
Point 9 DW20b			Total suspended solids	44	mg/L	
			Turbidity	24	NTU	
Monitoring	7/10/2022	8/12/2022	рН	7.2	рН	
Point 10 DW21a			Total suspended solids	54	mg/L	
			Turbidity	65	NTU	
Monitoring	7/10/2022	8/12/2022	рН	7.6	рН	Monitoring within
Point 11 EPL12			Total suspended solids	17	mg/L	24 hours of
			Turbidity	17	NTU	50mm rainfall in
Monitoring	7/10/2022	8/12/2022	pH	6.8	рН	48 hour period
Point 12 EPL11	, ==, ====	0,,	Total suspended solids	26	mg/L	
. 0 12 2. 21			Turbidity	22	NTU	
Monitoring	7/10/2022	8/12/2022	pH	7.5	pH	-
Point 18 EPL13	7/10/2022	0/12/2022	Total suspended solids	33	mg/L	
PUIII 10 EPL13						
			Turbidity	40	NTU	
Monitoring	30/09/2022	8/11/2022	рН	7.9	рН	Monitoring within
Point 9 DW20b	30,03,2022	0,11,2022	Total suspended solids	30	mg/L	24 hours of
Point 9 DW200						50mm rainfall in
	20/00/2022	0/44/2022	Turbidity	24	NTU	
Monitoring	30/09/2022	8/11/2022	pH	7.2	pH ,	48 hour period
Point 10 DW21a			Total suspended solids	28	mg/L	
			Turbidity	38	NTU	
Monitoring	30/09/2022	8/11/2022	рН	8.1	рН	
Point 11 EPL12			Total suspended solids	24	mg/L	
			Turbidity	13	NTU	
Monitoring	30/09/2022	8/11/2022	рН	6.8	рН	
Point 12 EPL11			Total suspended solids	10	mg/L	
			Turbidity	11	NTU	
Monitoring	30/09/2022	8/11/2022	рН	7.1	рН	
Point 18 EPL13			Total suspended solids	29	mg/L	
			Turbidity	37	NTU	
Monitoring	25/08/2022	5/10/2022	рН	7.7	рН	There was no
Point 9 DW20b			Total suspended solids	21	mg/L	instance where
			Turbidity	55	NTU	50 mm of rainfall
Monitoring	25/08/2022	5/10/2022	рН	7.9	рН	was received at
Point 10 DW21a			Total suspended solids	24	mg/L	the premises
			Turbidity	23	NTU	within a 48 hour
Monitoring	25/08/2022	5/10/2022	pH	7.3	рН	period in August
Point 11 EPL12		0, 20, 2022	Total suspended solids	13	mg/L	
			Turbidity	2.4	NTU	
Monitoring	25/08/2022	5/10/2022	pH	ND	pH	-
Point 12 EPL11	23/08/2022	3/10/2022	Total suspended solids	ND ND	-	
POIIIL 12 EPL11			•		mg/L	
	25 /22 /222	5 /4 0 /0 000	Turbidity	ND	NTU	-
Monitoring	25/08/2022	5/10/2022	pH	7.3	pН	
Point 18 EPL13			Total suspended solids	105	mg/L	
			Turbidity	75	NTU	
	C 107 15 555	20/07/222	· · · · · · · · · · · · · · · · · · ·	T	T	T
Monitoring	6/07/2022	28/07/2022	pH	7.2	pН	
Point 9 DW20b	(50mm		Total suspended solids	20	mg/L	Monitoring withir
. 5 5 5 17 200	rainfall)		Turbidity	50	NTU	24 hours of
Monitoring	6/07/2022	28/07/2022	рН	6.9	рН	50mm rainfall in
Monitoring Point 10 DW21a	(50mm		Total suspended solids	5.5	mg/L	48 hour period
LOUIT TO DAYSTS	rainfall)		Turbidity	22	NTU	
	•					-

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Monitoring	6/07/2022	28/07/2022	рН	6.9	рН	
Point 11 EPL12	(50mm		Total suspended solids	22	mg/L	
POINT 11 EPL12	rainfall)		Turbidity	28	NTU	
	6/07/2022	28/07/2022	рH	7.4	рН	
Monitoring	(50mm		Total suspended solids	4	mg/L	
Point 12 EPL11	rainfall)		Turbidity	5.9	NTU	
	6/07/2022	28/07/2022	pH	6.8	рН	
Monitoring	(50mm	20/07/2022	Total suspended solids	5.5	mg/L	
Point 18 EPL13	rainfall)		Turbidity	19	NTU	
	raiiiiaii)		rurbluity	19	INTO	
Monitoring	23/06/2022	10/08/2022	рН	ND	pН	There was no
Point 9 DW20b			Total suspended solids	ND	mg/L	instance where
			Turbidity	ND	NTU	50 mm of rainfall
Monitoring	23/06/2022	10/08/2022	рН	7.1	pН	was received at
Point 10 DW21a			Total suspended solids	16	mg/L	the premises
			Turbidity	29	NTU	within a 48 hour
Monitoring	23/06/2022	10/08/2022	рН	ND	рН	period in June
Point 11 EPL12			Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	23/06/2022	10/08/2022	pH	ND	рН	
Point 12 EPL11	23,00,2022	10,00,2022	Total suspended solids	ND	mg/L	
TOTAL 12 LI LII			Turbidity	ND ND	NTU	
Monitoring	22/06/2022	10/09/2022	•			-
Monitoring	23/06/2022	10/08/2022	pH	6.9	pH	
Point 18 EPL13			Total suspended solids	104	mg/L	
			Turbidity	95	NTU	
	T	1	1	T	T	T
Monitoring	23/05/2022	28/07/2022	рН	7.5	pН	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	23	mg/L	24 hours of
	rainfall)		Turbidity	30	NTU	50mm rainfall in
Monitoring	23/05/2022	28/07/2022	рН	7.0	рН	48 hour period
Point 10 DW21a	(50mm		Total suspended solids	26	mg/L	
	rainfall)		Turbidity	36	NTU	
Monitoring	23/05/2022	28/07/2022	pH	6.8	рН	
Point 11 EPL12	(50mm		Total suspended solids	9	mg/L	
	rainfall)		Turbidity	18	NTU	
Monitoring	23/05/2022	28/07/2022		7.5		-
Point 12 EPL11	(50mm	28/07/2022	pH Total suspended solids	13	pH mg/L	
POIIIL 12 EPL11	,			12		
NA it i	rainfall)	20/07/2022	Turbidity		NTU	-
Monitoring	23/05/2022	28/07/2022	pH	7.0	pH ,,	
Point 18 EPL13	(50mm		Total suspended solids	33	mg/L	
	rainfall)		Turbidity	34	NTU	
		T .		Γ	T	T
Monitoring	12/05/2022	3/06/2022	рН	6.9	рН	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	42	mg/L	24 hours of
	rainfall)		Turbidity	70	NTU	50mm rainfall in
Monitoring	12/05/2022	3/06/2022	рН	7.8	рН	48 hour period
Point 10 DW21a	(50mm		Total suspended solids	2.5	mg/L	
	rainfall)		Turbidity	21	NTU	
Monitoring	12/05/2022	3/06/2022	pH	7.6	рН	1
_	1 1	-, -0, -022	Total suspended solids	26	mg/L	
Point 11 FPI 17	(50mm					Î
Point 11 EPL12	(50mm rainfall)		· · · · · · · · · · · · · · · · · · ·		NTH	
	rainfall)	3/06/2022	Turbidity	50	NTU nH	
Monitoring	rainfall) 12/05/2022	3/06/2022	Turbidity pH	50 6.9	рН	-
	rainfall) 12/05/2022 (50mm	3/06/2022	Turbidity pH Total suspended solids	50 6.9 10	pH mg/L	
Monitoring Point 12 EPL11	rainfall) 12/05/2022 (50mm rainfall)		Turbidity pH Total suspended solids Turbidity	50 6.9 10 34	pH mg/L NTU	
Monitoring Point 12 EPL11 Monitoring	rainfall) 12/05/2022 (50mm rainfall) 12/05/2022	3/06/2022	Turbidity pH Total suspended solids Turbidity pH	50 6.9 10 34 7.7	pH mg/L NTU pH	
Monitoring Point 12 EPL11	rainfall) 12/05/2022 (50mm rainfall)		Turbidity pH Total suspended solids Turbidity	50 6.9 10 34	pH mg/L NTU	

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Monitoring	8/04/2022	27/04/2022	рН	7.3	pH	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	11	mg/L	24 hours of
	rainfall)		Turbidity	33	NTU	50mm rainfall in
Monitoring	8/04/2022	27/04/2022	рН	ND	pH	48 hour period
Point 10 DW21a	(50mm		Total suspended solids	ND	mg/L	
	rainfall)		Turbidity	ND	NTU	
Monitoring	8/04/2022	27/04/2022	рН	7.3	рН	
Point 11 EPL12	(50mm		Total suspended solids	19	mg/L	
	rainfall)		Turbidity	45	NTU	
Monitoring	8/04/2022	27/04/2022	рН	6.7	рН	
Point 12 EPL11	(50mm		Total suspended solids	2	mg/L	
	rainfall)		Turbidity	25	NTU	
Monitoring	8/04/2022	27/04/2022	рН		pН	
Point 18 EPL13	(50mm		Total suspended solids		mg/L	
	rainfall)		Turbidity		NTU	
Monitoring	31/03/2022	27/04/2022	рН	7.1	рН	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	21	mg/L	24 hours of
	rainfall)		Turbidity	34.1	NTU	50mm rainfall in
Monitoring	31/03/2022	27/04/2022	рН	6.9	рН	48 hour period
Point 10 DW21a	(50mm		Total suspended solids	14	mg/L	
	rainfall)		Turbidity	16.8	NTU	
Monitoring	31/03/2022	27/04/2022	рН	7.3	рН	
Point 11 EPL12	(50mm		Total suspended solids	92	mg/L	
	rainfall)		Turbidity	80.2	NTU	
Monitoring	31/03/2022	27/04/2022	рН	6.8	рН	
Point 12 EPL11	, (50mm	, ,	Total suspended solids	16	mg/L	
	rainfall)		Turbidity	18.9	NTU	
Monitoring	31/03/2022	27/04/2022	рН	6.9	рН	
Point 18 EPL13	(50mm		Total suspended solids	18	mg/L	
	rainfall)		Turbidity	20.1	NTU	
			13.3.3.3			
Monitoring	29/03/2022	27/04/2022	рН	7.1	рН	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	12	mg/L	24 hours of
. 0 5 5 11 200	rainfall)		Turbidity	16.2	NTU	50mm rainfall in
Monitoring	29/03/2022	27/04/2022	рН	6.8	pH	48 hour period
Point 10 DW21a	(50mm	27/04/2022	Total suspended solids	16	mg/L	40 Hour period
TOIRE TO DVVZIA	rainfall)		Turbidity	18.9	NTU	
Monitoring	29/03/2022	27/04/2022	pH	7.1	pH	
Point 11 EPL12	(50mm	27/04/2022	Total suspended solids	179	mg/L	
FOIIIL II LFLIZ	rainfall)		Turbidity	143	NTU	
Monitoring	,	27/04/2022	,			
Monitoring	29/03/2022	27/04/2022	pH Total suspended solids	7.2 207	pH mg/l	
Point 12 EPL11	(50mm		•		mg/L	
N.A. mita mina m	rainfall)	27/04/2022	Turbidity	141	NTU	
Monitoring	29/03/2022	27/04/2022	pH	6.9	pH	
Point 18 EPL13	(50mm		Total suspended solids	25	mg/L	
	rainfall)		Turbidity	15.7	NTU	
	40/02/2222	24 /02 /2225	,, T	7.0	1	
Monitoring	10/03/2022	31/03/2022	pH	7.2	pH ,	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	18	mg/L	24 hours of 50mm
	rainfall)		Turbidity	27.3	NTU	rainfall in 48 hour
Monitoring	10/03/2022	31/03/2022	рН	NA	pН	period
Point 10 DW21b	(50mm		Total suspended solids	NA	mg/L	
	rainfall)		Turbidity	NA	NTU	
Monitoring	10/03/2022	31/03/2022	рН	7.6	рН	
Monitoring	,,	, ,	•			

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	(50mm rainfall)		Turbidity	38.6	NTU	
Monitoring	10/03/2022	31/03/2022	рН	6.8	рН	
Point 12 EPL11	(50mm	31/03/2022	Total suspended solids	6.0	mg/L	
FOIIIL 12 LFL11	rainfall)		Turbidity	7.63	NTU	
Monitoring	10/03/2022	31/03/2022	pH	7.03	pH	
Point 18 EPL13	(50mm	31/03/2022	Total suspended solids	7.0 15	mg/L	
PUIII 10 EPL13	rainfall)		Turbidity	7.63	NTU	
	raiman)		Turblaity	7.03	NIU	
Monitoring	1/03/2022	31/03/2022	рН	7.3	рН	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	10	mg/L	24 hours of 50mm
	rainfall)		Turbidity	16.6	NTU	rainfall in 48 hour
Monitoring	1/03/2022	31/03/2022	рН	NA	рН	period
Point 10 DW21b	(50mm		Total suspended solids	NA	mg/L	
	rainfall)		Turbidity	NA	NTU	
Monitoring	1/03/2022	31/03/2022	pH	7.3	рН	
Point 11 EPL12	(50mm	, ,	Total suspended solids	25	mg/L	
	rainfall)		Turbidity	16.9	NTU	
Monitoring	1/03/2022	31/03/2022	pH	6.8	рН	
Point 12 EPL11	(50mm	- , ,	Total suspended solids	5	mg/L	
	rainfall)		Turbidity	6.26	NTU	
Monitoring	1/03/2022	31/03/2022	pH	6.9	рН	
Point 18 EPL13	(50mm	02,00,2022	Total suspended solids	18	mg/L	
	rainfall)		Turbidity	9.76	NTU	
				5.7.0	1	<u> </u>
Monitoring	24/02/22	22/04/22	рН	7.5	рН	Monitoring within
Point 9 DW20b	(50mm		Total suspended solids	41	mg/L	24 hours of 50mm
	rainfall)		Turbidity		NTU	rainfall in 48 hour
Monitoring	24/02/22	22/04/22	рН	6.9	рН	period
Point 10 DW21b	(50mm		Total suspended solids	20	mg/L	·
	rainfall)		Turbidity		NTU	
Monitoring	24/02/22	22/04/22	pH	7.4	рН	
Point 11 EPL12	(50mm		Total suspended solids	31	mg/L	
	rainfall)		Turbidity		NTU	
Monitoring	24/02/22	22/04/22	рН	6.6	рН	
Point 12 EPL11	(50mm		Total suspended solids	62	mg/L	
	rainfall)		Turbidity		NTU	
Monitoring	24/02/22	22/04/22	pH	6.7	рН	
Point 18 EPL13	(50mm		Total suspended solids	26	mg/L	
	rainfall)		Turbidity		NTU	
	1	T			1	
Monitoring	20/01/22	31/03/22	рН	7.7	рН	There was no
Point 9 DW20b			Total suspended solids	9.0	mg/L	instance where 50
			Turbidity	4.45	NTU	mm of rainfall was
Monitoring	20/01/22	31/03/22	рН	NA	рН	received at the
Point 10 DW21b			Total suspended solids	NA	mg/L	premises within a
			Turbidity	NA	NTU	48 hour period in
Monitoring	20/01/22	31/03/22	рН	8.1	рН	January
Point 11 EPL12			Total suspended solids	7.0	mg/L	
			Turbidity	4.15	NTU	
Monitoring	20/01/22	31/03/22	рН	ND	рН	
Point 12 EPL11			Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	20/01/22	31/03/22	рН	7.3	рН	
Point 18 EPL13			Total suspended solids	10	mg/L	
			Turbidity	6.24	NTU	

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	10/12/21	8/2/22	рН	8.0	рН	There was no
Monitoring			Total suspended solids	20	mg/L	instance where 50
Point 9 DW20b			Turbidity	15	NTU	mm of rainfall was
Monitoring	10/12/21	8/2/22	pH	NA	pН	received at the
Point 10 DW21b			Total suspended solids	NA	mg/L	premises within a
		2 /2 /2 2	Turbidity	NA	NTU	48 hour period in
Monitoring	10/12/21	8/2/22	pH	ND	pH ,	December
Point 11 EPL12			Total suspended solids	ND	mg/L	
NA it i	40/42/24	0/2/22	Turbidity	ND	NTU	
Monitoring Point 12 EPL11	10/12/21	8/2/22	pH Total suspended solids	ND ND	pH	
POIIIL 12 EPL11			Turbidity	ND ND	mg/L NTU	
Monitoring	10/12/21	8/2/22	pH	7.3	pH	
Point 18 EPL13	10/12/21	0/2/22	Total suspended solids	21	mg/L	
10111110111111			Turbidity	9.9	NTU	
Monitoring	23/11/21	17/01/22	pH	8.5	pH	There was no
Point 9 DW20b	23/11/21	17,01,22	Total suspended solids	7.0	mg/L	instance where 50
1011113 211200			Turbidity	9.5	NTU	mm of rainfall was
Monitoring	23/11/21	17/01/22	pH	ND	pH	received at the
Point 10 DW21b			Total suspended solids	ND	mg/L	premises within a
			Turbidity	ND	NTU	48 hour period in
Monitoring	23/11/21	17/01/22	pH	ND	рН	November
Point 11 EPL12	, ,		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	23/11/21	17/01/22	pН	ND	рН	
Point 12 EPL11			Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	23/11/21	17/01/22	рН	7.4	рН	
Point 18 EPL13			Total suspended solids	6	mg/L	
			Turbidity	6.2	NTU	
Monitoring	26/10/21	2/12/21	pH	7.17	pН	There was no
Point 9 DW20b			Total suspended solids	41	mg/L	instance where 50
	22/12/21	2 / 2 / 2 /	Turbidity	17	NTU	mm of rainfall was
Monitoring	26/10/21	2/12/21	pH	ND ND	pH	received at the
Point 10 DW21b			Total suspended solids	ND ND	mg/L	premises within a
Monitorina	26/10/21	2/12/21	Turbidity	ND ND	NTU	48 hour period in October
Monitoring Point 11 EPL12	26/10/21	2/12/21	pH Total suspended solids	ND ND	pH mg/L	October
FOIIIL II LFLIZ			Turbidity	ND ND	NTU	
Monitoring	26/10/21	2/12/21	pH	ND	pH	
Point 12 EPL11	20/10/21	2/12/21	Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	26/10/21	2/12/21	pH	7.3	рН	
Point 18 EPL13	, , ,	, ,	Total suspended solids	23	mg/L	
			Turbidity	24	NTU	
Monitoring	22/09/21	9/11/21	pH	7.60	рН	There was no
Point 9 DW20b	(monthly)		Total suspended solids	38	mg/L	instance where 50
			Turbidity	22	NTU	mm of rainfall was
Monitoring	22/09/21	9/11/21	pH	ND	рН	received at the
Point 10 DW21b	(monthly)		Total suspended solids	ND	mg/L	premises within a
			Turbidity	ND	NTU	48 hour period in
Monitoring	22/09/21	9/11/21	рН	ND	рН	September
Point 11 EPL12	(monthly)		Total suspended solids	ND	mg/L	
		- 1.	Turbidity	ND	NTU	
Monitoring	22/09/21	9/11/21	pH	ND	pH ,	
Point 12 EPL11	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	

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Monitoring	22/09/21	9/11/21	рН	6.5	рН	
Point 18 EPL13	(monthly)		Total suspended solids	25	mg/L	
			Turbidity	28	NTU	
Monitoring	25/08/21	28/09/21	рН	7.9	рН	There was one
Point 9 DW20b	(monthly+		Total suspended solids	30	mg/L	instance where 50
	50mm)		Turbidity	38	NTU	mm of rainfall was
Monitoring	25/08/21	28/09/21	pH	ND	pН	received at the
Point 10 DW21b	(monthly+		Total suspended solids	ND	mg/L	premises within a
	50mm)	20/20/24	Turbidity	ND	NTU	48 hour period in
Monitoring	25/08/21	28/09/21	pH	ND ND	pH	August. Monitoring for the monthly
Point 11 EPL12	(monthly+ 50mm)		Total suspended solids	ND ND	mg/L NTU	and 50mm
Monitoring	25/08/21	28/09/21	Turbidity pH	ND ND	pH	sampling was
Point 12 EPL11	(monthly+	20/03/21	Total suspended solids	ND ND	mg/L	combined.
FOIIIL 12 LFLII	50mm)		Turbidity	ND ND	NTU	combined.
Monitoring	25/08/21	28/09/21	pH	6.5	pH	
Point 18 EPL13	(monthly	20/03/21	Total suspended solids	25	mg/L	
1011111011111	+50mm)		Turbidity	28	NTU	
Monitoring	30/07/21	16/09/21	pH	8.6	pH	There was no
Point 9 DW20b	(monthly)	10,03,21	Total suspended solids	7	mg/L	instance where 50
	(**************************************		Turbidity	21	NTU	mm of rainfall was
Monitoring	30/07/21	16/09/21	pH	ND	рН	received at the
Point 10 DW21b	(monthly)	, ,	Total suspended solids	ND	mg/L	premises within a
			Turbidity	ND	NTU	48 hour period in
Monitoring	30/07/21	16/09/21	рН	ND	рН	July
Point 11 EPL12	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	30/07/21	16/09/21	рН	ND	рН	
Point 12 EPL11	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	30/07/21	16/09/21	рН	6.8	рН	
Point 18 EPL13	(monthly)		Total suspended solids	38	mg/L	
	1 1		Turbidity	40	NTU	
Monitoring	29/06/21	28/07/21	pH	8.6	pН	There was no
Point 9 DW20b	(monthly)		Total suspended solids	7	mg/L	instance where 50
Manitavina	20/06/21	20/07/24	Turbidity	21	NTU	mm of rainfall was
Monitoring Point 10 DW21b	29/06/21 (monthly)	28/07/21	pH Total suspended solids	ND ND	pH mg/l	received at the premises within a
POINT 10 DVV210	(intofficing)		Turbidity	ND ND	mg/L NTU	48 hour period in
Monitoring	29/06/21	28/07/21	pH	ND	pH	June
Point 11 EPL12	(monthly)	20/07/21	Total suspended solids	ND ND	mg/L	34116
1 01110 111 211 212	(,,		Turbidity	ND	NTU	
Monitoring	29/06/21	28/07/21	pH	ND	pН	
Point 12 EPL11	(monthly)		Total suspended solids	ND	mg/L	
	, , , , , , , , , , , , , , , , , , , ,		Turbidity	ND	NTU	
Monitoring	29/06/21	28/07/21	pH	6.8	рН	
Point 18 EPL13	(monthly)		Total suspended solids	38	mg/L	
			Turbidity	40	NTU	
Monitoring	31/05/21	04/06/21	рН	7.7	рН	There was one
Point 9 DW20b	(monthly)		Total suspended solids	15	mg/L	instance where 50
			Turbidity	13	NTU	mm of rainfall was
Monitoring	31/05/21	04/06/21	рН	ND	рН	received at the
Point 10 DW21b	(monthly)		Total suspended solids	ND	mg/L	premises within a
			Turbidity	ND	NTU	48 hour period in
Monitoring	31/05/21	04/06/21	pH	7.8	pН	May.
Point 11 EPL12	(monthly)		Total suspended solids	11	mg/L	
			Turbidity	4.1	NTU	

			d Project Environment		Keport	
Monitoring	31/05/21	04/06/21	рН	ND	рН	
Point 12 EPL11	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	31/05/21	04/06/21	рН	7.2	рН	
Point 18 EPL13	(monthly)		Total suspended solids	10	mg/L	
			Turbidity	7.7	NTU	
Monitoring	06/05/21	11/05/21	рН	7.1	рН	
Point 9 DW20b	(50mm)		Total suspended solids	8.0	mg/L	
			Turbidity	14	NTU	
Monitoring	06/05/21	11/05/21	pH	6.2	pН	
Point 10 DW21b	(50mm)		Total suspended solids	9.0	mg/L	
	05/05/04	11/05/01	Turbidity	11	NTU	
Monitoring	06/05/21	11/05/21	pH	7.4	pН	
Point 11 EPL12	(50mm)		Total suspended solids	14	mg/L	
NA it ii	06/05/24	44/05/24	Turbidity	16	NTU	
Monitoring	06/05/21	11/05/21	pH	ND ND	pH	
Point 12 EPL11	(50mm)		Total suspended solids	ND ND	mg/L	
Monitorina	06/05/21	11/05/21	Turbidity	ND	NTU	
Monitoring Point 18 EPL13	06/05/21 (50mm)	11/05/21	pH Total suspended solids	7.1 22	pH mg/L	
PUIII 10 EPL15	(3011111)		Turbidity	20	NTU	
Monitoring	28/04/21	25/05/21	pH	8.0	pH	There was no
Point 9 DW20b	(monthly)	25/05/21	Total suspended solids	29	mg/L	instance where 50
FOIRT 9 DW200	(monthly)		Turbidity	20	NTU	mm or more of
Monitoring	28/04/21	25/05/21	pH	ND	pH	rainfall was
Point 10 DW21b	(monthly)	23/03/21	Total suspended solids	ND ND	mg/L	received at the
1 01110 10 DW215	(monenty)		Turbidity	ND	NTU	premises within a
Monitoring	28/04/21	25/05/21	pH	ND	pH	48 hour period in
Point 11 EPL12	(monthly)	23,03,21	Total suspended solids	ND	mg/L	April
	(,)		Turbidity	ND	NTU	, , , , , ,
Monitoring	28/04/21	25/05/21	pH	ND	рН	
Point 12 EPL11	(monthly)	-,,	Total suspended solids	ND	mg/L	
	`		Turbidity	ND	NTU	
Monitoring	20/03/21	28/04/21	pH	7.7	рН	There was two
Point 9 DW20b	(monthly +		Total suspended solids	3.0	mg/L	instances where 50
	50mm)		Turbidity	7.8	NTU	mm or more of
Monitoring	20/03/21	28/04/21	рН	ND	рН	rainfall was
Point 10 DW21b	(monthly +		Total suspended solids	ND	mg/L	received at the
	50mm)		Turbidity	ND	NTU	premises within a
Monitoring	20/03/21	28/04/21	рН	ND	рН	48 hour period in
Point 11 EPL12	(monthly +		Total suspended solids	ND	mg/L	February (20/03/21
	50mm)		Turbidity	ND	NTU	and 22/03/21).
Monitoring	20/03/21	28/04/21	рН	ND	рН	Monthly water
Point 12 EPL11	(monthly +		Total suspended solids	ND	mg/L	quality and wet
	50mm)		Turbidity	ND	NTU	weather
Monitoring	20/03/21	28/04/21	рН	7.1	рН	monitoring was
Point 18 EPL13	(monthly +		Total suspended solids	5.0	mg/L	combined and
	50mm)		Turbidity	13	NTU	undertaken on
Monitoring	24/03/21	07/04/21	pH	7.8	pН	20/03/20.
Point 9 DW20b	(50mm)		Total suspended solids	6.0	mg/L	Wet weather
	24/22/23	07/04/04	Turbidity	16	NTU	monitoring was
Monitoring	24/03/21	07/04/21	pH	ND	pH	delayed on
Point 10 DW21b	(50mm)		Total suspended solids	ND ND	mg/L	22/03/21 due to
Manite i :	24/02/24	07/04/24	Turbidity	ND	NTU	local flooding and
Monitoring	24/03/21 (50mm)	07/04/21	pH	8.0	pH mg/l	site closure on
Point 11 EPL12	(50mm)		Total suspended solids	13	mg/L	22/03/21 and
1			Turbidity	19	NTU	, 55, 22 4.14

			d Project Environmen	_		T
Monitoring	24/03/21	07/04/21	pH	7.5	pН	23/3/21. As per
Point 12 EPL11	(50mm)		Total suspended solids	12	mg/L	M2.4 note from EPL
			Turbidity	18	NTU	11147, the EPA
Monitoring	24/03/21	07/04/21	pH	6.8	pН	were informed that
Point 18 EPL13	(50mm)		Total suspended solids	3.0	mg/L	monitoring would
			Turbidity	12	NTU	be undertaken
						when floodwater
						receded and
						monitoring sites
						could be safely
						accessed. This was
						undertaken on 24/3/21
Monitoring	17/02/21	24/3/21	рН	7.8	рН	There was no
Point 9 DW20b	(monthly)		Total suspended solids	16	mg/L	instance where 50
			Turbidity	7.8	NTU	mm or more of
Monitoring	17/02/21	24/3/21	рН	ND	рН	rainfall was
Point 10 DW21b	(monthly)		Total suspended solids	ND	mg/L	received at the
			Turbidity	ND	NTU	premises within a
Monitoring	17/02/21	24/3/21	pН	ND	рН	48 hour period in
Point 11 EPL12	(monthly)		Total suspended solids	ND	mg/L	February
			Turbidity	ND	NTU	
Monitoring	17/02/21	24/3/21	рН	ND	рН	
Point 12 EPL11	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	17/02/21	24/3/21	рН	7.2	рН	
Point 18 EPL13	(monthly)		Total suspended solids	27	mg/L	
			Turbidity	8.6	NTU	
Monitoring	04/01/21	21/1/21	рН	7.5	рН	There was one
Point 9 DW20b	(50mm)		Total suspended solids	47	mg/L	instance where 50
			Turbidity	12	NTU	mm or more of
Monitoring	04/01/21	21/1/21	рН	ND	рН	rainfall was
Point 10 DW21b	(50mm)		Total suspended solids	ND	mg/L	received at the
			Turbidity	ND	NTU	premises within a
Monitoring	04/01/21	21/1/21	рН	ND	рН	48 hour period in
Point 11 EPL12	(50mm)		Total suspended solids	ND	mg/L	January (4/1/21)
			Turbidity	ND	NTU	
Monitoring	04/01/21	21/1/21	рН	ND	рН	
Point 12 EPL11	(50mm)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	04/01/21	21/1/21	рН	7.1	рН	
Point 18 EPL13	(50mm)		Total suspended solids	28	mg/L	
			Turbidity	20	NTU	
Monitoring	28/01/21	23/2/21	рН	8.0	рН	
Point 9 DW20b	(monthly)		Total suspended solids	13	mg/L	
			Turbidity	6.2	NTU	
Monitoring	28/01/21	23/2/21	рН	ND	рН	
Point 10 DW21b	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	28/01/21	23/2/21	рН	ND	рН	
Point 11 EPL12	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	28/01/21	23/2/21	рН	ND	рН	
Point 12 EPL11	(monthly)		Total suspended solids	ND	mg/L	
			Turbidity	ND	NTU	
Monitoring	28/01/21	23/2/21	рН	7.0	рН	
Point 18 EPL13	(monthly)		Total suspended solids	76	mg/L	
			Turbidity	34	NTU	

Monitoring 17/12/20 27/01/21 PH Total suspended solids Turbidity ND PH Total suspended solids Turbidity ND PH Total suspended solids ND NTU PH ND PH				d Project Environmen	tai Monitoring	Report	T
Monitoring 17/12/20 27/01/21 pH ND pH received at the premises within a within a monitoring 17/12/20 27/01/21 pH ND mg/L ND MD MD MD MD MD MD MD	_		27/01/21	•		-	
Monitoring 17/12/20 27/01/21 pH ND pH mg/L rainfall was received at the premises within a was not instance where 50 mm or more of notiforing Point 12 EPL13 (monthly) 16/12/20 pH ND	Point 9 DW20b	(monthly)		-			
Point 10 DW21b		. = 1 1		·			
Monitoring 17/12/20 27/01/21 PH ND PH MR MR MR MR MR MR MR M	•		27/01/21	•		-	
Monitoring 17/12/20 27/01/21 PH ND mg/L	Point 10 DW21b	(monthly)		-			
Point 11 EPL12		47/42/20	27/04/24	•			
Monitoring 17/12/20 27/01/21 pH ND pH mg/L ND mg/L ND mg/L ND mg/L ND mg/L ND NTU ND MTU ND NTU NTU ND NTU NTU ND NTU ND NTU	_		2//01/21	•		-	
Monitoring 17/12/20 27/01/21 PH	Point 11 EPL12	(monthly)					December
Point 12 EPL11	Manitonia	47/42/20	27/04/24	·			
Monitoring 17/12/20 27/01/21 pH ND pH mg/L monthly Total suspended solids Turbidity ND mg/L monthly Total suspended solids NA mg/L monthly Total suspended solids NA mg/L monthly Total suspended solids NA mg/L monthly Total suspended solids ND mg/L mg/L monthly Total suspended solids ND mg/L mg/L monthly Total suspended solids ND mg/L mg/L mg/L mg/L mg/L mg/L mg/L monthly Total suspended solids 12 mg/L mg/L mg/L monthly Total suspended solids 12 mg/L	•		2//01/21	·		-	
Monitoring	POIIIL 12 EPL11	(IIIOIILIIIy)		-		_	
Point 18 EPL13	Monitoring	17/12/20	27/01/21	·			
Monitoring 22/11/20 16/12/20 PH ND NTU There was no instance where 50 mm or more of rainfall was received at the premises within a Monitoring 22/11/20 16/12/20 PH ND PH There was no instance where 50 mm or more of rainfall was received at the premises within a Monitoring 22/11/20 16/12/20 PH ND PH Total suspended solids ND mg/L Monitoring 22/11/20 16/12/20 PH ND PH Total suspended solids ND mg/L Monitoring 22/11/20 16/12/20 PH Total suspended solids Turbidity ND NTU Monitoring 22/11/20 16/12/20 PH Total suspended solids Turbidity Total suspended solids ND Turbidity ND Total suspended solids ND Turbidity Total suspended solids ND Turbidity ND Total suspended solids ND Turbidity	_		27/01/21	'		-	
Monitoring 22/11/20 16/12/20 Total suspended solids Turbidity NA NTU Free was no instance where 50 mm or more of rainfall was received at the premises within a within a Monitoring 22/10/20 20/11/20 PH Total suspended solids Turbidity NA NTU PH Total suspended solids Turbidity Total suspended solids Tur	TOING TO ET ETS	(monenty)		-			
Point 9 DW20b	Monitoring	22/11/20	16/12/20	•			There was no
Monitoring 22/11/20 16/12/20 pH NA ngH received at the premises within a Monitoring 22/11/20 16/12/20 pH ND ngH received at the premises within a Monitoring 22/11/20 16/12/20 pH ND ngH NO NTU Monitoring 22/11/20 16/12/20 pH ND NTU Monitoring 22/10/20 20/11/20 pH ND NTU Monitoring 22/10/20 20/11/20 pH NA pH Total suspended solids 12 mg/L Turbidity 13 NTU Monitoring 22/10/20 20/11/20 pH NA pH received at the premises within a Monitoring 22/20/20 20/11/20 pH NA pH received at the premises within a Monitoring 22/20/20 20/11/20 pH NA NTU Monitoring 22/20/20 20/11/20 pH NA NTU Monitoring 22/20/20 20/11/20 pH ND pH mg/L Turbidity ND NTU Monitoring 22/20/20 20/11/20 pH ND pH mg/L Turbidity ND NTU Monitoring 22/20/20 20/11/20 pH ND pH mg/L Turbidity ND NTU Monitoring 22/20/20 20/11/20 pH ND pH mg/L Turbidity ND NTU Monitoring 22/20/20 20/11/20 pH ND pH mg/L Turbidity ND NTU Monitoring 21/20/20 20/11/20 pH ND PH mg/L Turbidity ND NTU Monitoring 21/20/20 22/10/20 pH ND PH Total suspended solids ND Turbidity ND NTU Monitoring 21/20/20 22/10/20 pH ND ND NTU Total suspended solids ND Turbidity ND NTU Total suspended solids ND Turbidity ND NTU Monitoring 21/20/20 22/10/20 pH ND ND ND Total suspended solids ND Turbidity ND NTU	_		10,12,20	'		-	
Monitoring 22/11/20 16/12/20 pH Total suspended solids Tota	. 5 5 5 11 200	(5,)					
Point 10 DW21b	Monitoring	22/11/20	16/12/20	•			
Monitoring 22/11/20 16/12/20 pH ND mg/L Turbidity NA NTU As hour period in November	_			·		-	
Monitoring Point 11 EPL12 Monitoring Point 11 EPL12 Point 12 EPL11 Monitoring Point 12 EPL11 Point 12 EPL11 Monitoring Point 12 EPL12 Monitoring Point 13 EVENTAL Point 14	20 2 77220	(,,,,				_	
Point 11 EPL12	Monitoring	22/11/20	16/12/20	•			
Monitoring 22/11/20 16/12/20 pH 7.8 pH 7.8 mg/L Turbidity 9.8 NTU	_			'			-
Monitoring Point 12 EPL11 Monitoring Point 12 EPL11 Point 12 EPL11 Monitoring Point 18 EPL13 Monitoring Point 18 EPL13 Monitoring Point 18 EPL13 Monitoring Point 19 DW20b Monitoring Point 10 DW21b Monitoring Point 18 EPL13 Monitoring Point 10 DW21b Monitoring Point 10 DW21b Monitoring Point 10 DW21b Monitoring Point 10 DW20b Monitoring Poin		, , , , , ,					
Point 12 EPL11	Monitoring	22/11/20	16/12/20				
Monitoring	_		, ,	•		-	
Point 18 EPL13				-	9.8	_	
Monitoring 22/10/20 20/11/20 pH 7.4 pH There was no instance where 50 mm or more of rainfall was received at the premises within a Monitoring 22/10/20 20/11/20 pH ND pH ND pH Total suspended solids ND mg/L Turbidity ND NTU Monitoring 22/10/20 20/11/20 pH ND pH ND pH ND pH ND pH ND NTU NTU NTU NTU NTU ND NTU N	Monitoring	22/11/20	16/12/20	рН	7.3	рН	
Monitoring Point 9 DW20b (monthly) 20/11/20 Total suspended solids 12 mg/L nthe was no instance where 50 mm or more of rainfall was precised at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was shown or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premises within a was no instance where 50 mm or more of rainfall was received at the premise within a was no instance where 50 mm or	Point 18 EPL13	(monthly)		Total suspended solids	20	mg/L	
Point 9 DW20b				Turbidity	7.3	NTU	
Monitoring Point 10 DW21b (monthly) Point 11 EPL12 (monthly) Point 12 EPL11 (monthly) Point 18 EPL13 (monthly) Point 19 DW20b (monthly) Point 10 DW21b (monthly) Point 11 EPL12 (monthly) Point 12 EPL13 (monthly) Point 11 EPL12 (monthly) Point 11 EPL12 (monthly) Point 12 EPL11 (monthly) Point 12 EPL11 (monthly) Point 18 EPL13 (monthly) Point 19 DW20b (monthly) Point 10 DW21b (monthly) Point 11 EPL12 (monthly) Point 11 EPL12 (monthly) Point 10 DW21b (monthly) Point 11 EPL12 (monthly) Point 11 EPL12 (monthly) Point 10 DW21b (monthly) Point 10 DW21b (monthly) Point 11 EPL12 (monthly) Point 11 E	Monitoring	22/10/20	20/11/20	рН	7.4	рН	There was no
Monitoring Point 10 DW21b (monthly)	Point 9 DW20b	(monthly)		Total suspended solids	12	mg/L	instance where 50
Point 10 DW21b (monthly)				Turbidity		NTU	
Monitoring 22/10/20 (monthly) Total suspended solids Turbidity ND NTU NTU ND NTU ND NTU ND NTU	_		20/11/20	·			
Monitoring Point 11 EPL12 (monthly) Point 12 EPL11 Point 12 EPL11 Point 12 EPL11 Point 12 EPL11 Point 13 EPL13 Point 18 EPL13 Point 19 DW20b Point 10 DW21b Point 10 DW21b Point 11 EPL12 Point 11 EPL1	Point 10 DW21b	(monthly)					
Point 11 EPL12							· · · · · · · · · · · · · · · · · · ·
Monitoring 22/10/20 20/11/20 pH ND pH mg/L	_		20/11/20	'		•	•
Monitoring Point 12 EPL11 22/10/20 (monthly) 20/11/20 Total suspended solids Turbidity ND ND NTU NTU NTU ND NTU NTU ND	Point 11 EPL12	(monthly)		-			October
Point 12 EPL11							
Monitoring 22/10/20 (monthly) 23/10/20 pH ND mg/L Total suspended solids Turbidity ND NTU Monitoring 21/09/20 23/10/20 pH 7.8 pH mg/L Turbidity ND NTU Monitoring Point 9 DW20b (monthly) Total suspended solids Turbidity 14 NTU mm or more of Total suspended solids NA pH rainfall was received at the premises within a Monitoring 21/09/20 23/10/20 pH 7.9 pH NA NTU	_		20/11/20	·		-	
Monitoring Point 18 EPL13 22/10/20 (monthly) 20/11/20 Total suspended solids Turbidity ND MD MTU PH mg/L MD MTU Monitoring Point 9 DW20b (monthly) 21/09/20 (monthly) 23/10/20 PH Total suspended solids Turbidity 41 mg/L MTU MTU Monitoring Point 10 DW21b (monthly) 21/09/20 (monthly) 23/10/20 PH NA PH MA NTU NA MM NTU PH MM NTU received at the premises within a Habitan a Habita	Point 12 EPL11	(monthly)		•			
Point 18 EPL13 (monthly) Total suspended solids Turbidity ND NTU Monitoring 21/09/20 23/10/20 pH 7.8 pH There was no instance where 50 mm or more of Turbidity 14 NTU mm or more of Turbidity 14 NTU mm or more of Point 10 DW21b (monthly) Total suspended solids Turbidity NA NTU more instance where 50 mm or more of Turbidity NA NTU more instance where 50 mm or more of Point 10 DW21b (monthly) Total suspended solids Turbidity NA NTU premises within a Monitoring 21/09/20 23/10/20 pH 7.9 pH 48 hour period in Point 11 EPL12 (monthly) Total suspended solids Turbidity 5.3 NTU Monitoring 21/09/20 23/10/20 pH ND pH	NA - with a wive -	22/40/20	20/44/20	·			
Monitoring Point 9 DW20b21/09/20 (monthly)23/10/20 (monthly)pH Total suspended solids Turbidity7.8 41 14 14 14 14 14 14 15 14 16 16 17 17 18 19 19 10	_		20/11/20	•		-	
Monitoring Point 9 DW20b21/09/20 (monthly)23/10/20 (monthly)pH Total suspended solids Turbidity7.8 41 14pH mg/L NTUThere was no instance where 50 mm or more ofMonitoring Point 10 DW21b21/09/20 (monthly)23/10/20 Total suspended solids TurbidityNA NA NA NTUpH mg/L NA NTUMonitoring Point 11 EPL1221/09/20 (monthly)23/10/20 Total suspended solids Turbidity11 Total suspended solids Turbidity11 SeptemberMonitoring21/09/2023/10/20pHNTUMonitoring21/09/2023/10/20pHND	POINT 18 EPL13	(monthly)				_	
Point 9 DW20b (monthly) Total suspended solids Turbidity 14 NTU mm or more of rainfall was received at the premises within a Monitoring 21/09/20 23/10/20 pH 7.9 pH 7.9 pH Monitoring Point 11 EPL12 (monthly) Total suspended solids Turbidity NA NTU mg/L Total suspended solids Turbidity September Turbidity 5.3 NTU Monitoring 21/09/20 23/10/20 pH ND pH ND pH	Monitoring	21/00/20	22/10/20	·			There was no
Monitoring 21/09/20 23/10/20 pH NA pH rainfall was Point 10 DW21b (monthly) Total suspended solids Turbidity NA NTU Point 11 EPL12 (monthly) Total suspended solids Turbidity Total suspended solids Turbidity NA NTU Point 11 EPL12 (monthly) Total suspended solids Turbidity 5.3 NTU Monitoring 21/09/20 23/10/20 pH ND pH	_		23/10/20	•			
Monitoring Point 10 DW21b21/09/20 (monthly)23/10/20 (monthly)pH Total suspended solids TurbidityNA NA NApH mg/L NA NTUrainfall was received at the premises within a 48 hour period in SeptemberMonitoring Point 11 EPL1221/09/20 (monthly)23/10/20 Total suspended solids Turbidity11 5.3 NTUmg/L NDSeptember	TOTAL S DVV ZUD	(inontiny)					
Point 10 DW21b (monthly) Total suspended solids Turbidity NA NTU premises within a 48 hour period in September Turbidity ND PH ND PH	Monitoring	21/09/20	23/10/20	·			
Monitoring 21/09/20 23/10/20 pH 7.9 pH 48 hour period in Point 11 EPL12 (monthly) Total suspended solids Turbidity 5.3 NTU Monitoring 21/09/20 23/10/20 pH ND pH	_		23/10/20	•		-	
Monitoring Point 11 EPL12 21/09/20 (monthly) 23/10/20 pH Total suspended solids Turbidity 7.9 pH Total suspended solids Turbidity 48 hour period in September Monitoring 21/09/20 23/10/20 pH ND pH	. 5 10 5 47210	(
Point 11 EPL12 (monthly) Total suspended solids 11 mg/L September Turbidity 5.3 NTU Monitoring 21/09/20 23/10/20 pH ND pH	Monitoring	21/09/20	23/10/20	·			•
Monitoring 21/09/20 23/10/20 pH ND pH	_			•		-	=
Monitoring 21/09/20 23/10/20 pH ND pH		(,,,		-			
	Monitoring	21/09/20	23/10/20	·			
\	_		-,,	•		-	
Turbidity ND NTU		' ' ' '		-			

Monitoring 21/09/20 23/10/20 PH Total suspended solids 18 mg/L				d Project Environmen		
Monitoring 11/08/20 13/08/20 PH Total suspended solids 13/08/20	_		23/10/20	•		
Monitoring 11/08/20 13/08/20 PH Total suspended solids Turbidity 13.5 NTU There was one proint 10 DW21b (50mm) Total suspended solids Turbidity 13.5 NTU Total suspended solids Turbidity NA NTU NA NTU PH NA NTU	Point 18 EPL13	(monthly)		I =		
Point 19 DW20b				·		
Monitoring 11/08/20 13/08/20 PH NA PH Total suspended solids Turbidity 11.20 PM Agust (09/10/20 PM Total suspended solids Turbidity 11.20 PM Agust (09/10/20 PM Total suspended solids Turbidity 11.20 PM Agust (09/10/20 PM Total suspended solids Turbidity 11.20 PM Agust (09/10/20 PM Total suspended solids Turbidity 11.20 PM Agust (09/10/20 PM Total suspended solids Turbidity 11.20 PM Total suspended solids Turbidity Total suspended solids	_		13/08/20	' ·	· ·	
Monitoring 11/08/20 13/08/20 13/08/20 PH NA mg/L reinfall was received at the proint 10 DW21b (50mm) 11/08/20 PH Total suspended solids Turbidity 11.2 NTU 48 hour period in the proint 11 EPL12 (50mm) Turbidity 11.2 NTU 48 hour period in the proint 11 EPL11 (50mm) Turbidity 11.2 NTU Monitoring 11/08/20 13/08/20 PH Total suspended solids 5 mg/L NTU Turbidity 11.2 NTU Turbidity 11.3 NTU Turbidity NA NTU Turbidity	Point 9 DW20b	(50mm)		I =		
Point 10 DW21b (50mm)				•		
Monitoring 11/08/20 13/08/20 PH 7.98 PH 7.99 PH	_		13/08/20	' ·	· ·	
Monitoring	Point 10 DW21b	(50mm)		· · · · · · · · · · · · · · · · · · ·		
Point 11 EPL12 C50mm				·		· ·
Monitoring 11/08/20 13/08/20 pH 7.82 pH Total suspended solids Turbidity 11.2 NTU Total suspended solids Turbidity 11.8 NTU Safety and solid NTU Turbidity 11.8 NTU Safety and solid NTU Turbidity 11.8 NTU Safety and solid NTU NTU Safety and solid NTU Safety and solid NTU Safety and solid Safety a	_		13/08/20	•	-	
Monitoring 11/08/20 13/08/20 PH Total suspended solids Turbidity 10.2 Turbidity 11.8 NTU Safety concerns and flash flooding Monitoring 31/08/20 29/09/20 PH NA PH Total suspended solids Turbidity NTU Monitoring 31/08/20 29/09/20 PH NA PH NA PH Total suspended solids Turbidity NA NTU Monitoring 31/08/20 29/09/20 PH NA NA NA NA NA NA NA N	Point 11 EPL12	(50mm)		I =	_	- '
Point 12 EPL11 (50mm)				·		and 10/08/20).
Monitoring 11/08/20 13/08/20 pH 7.54 mg/L flash flooding monitoring	_		13/08/20	•	· ·	The site was washin
Monitoring Point 18 EPL13 (50mm) Total suspended solids Total	Point 12 EPL11	(50mm)		I =		
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Monitoring Point 9 DW20b Point 19 DW20b Point 9 DW20b Point 9 DW20b Point 19 DW20b Point 10 DW21b Point 11 EPL12 Point 11 EP	Point 18 EPL13	(50mm)		· · · · · · · · · · · · · · · · · · ·		_
Point 9 DW20b		24 /22 /22	20/20/22	•		
Monitoring 31/08/20 29/09/20 pH NA pH As per note 2 within condition Monitoring 31/08/20 29/09/20 pH NA mg/L within condition Monitoring 31/08/20 29/09/20 pH NA mg/L Monitoring 31/08/20 29/09/20 pH ND mg/L Monitoring 31/08/20 29/09/20 pH ND mg/L Monitoring 31/08/20 29/09/20 pH ND mg/L Monitoring 31/08/20	•		29/09/20	•	-	_
Monitoring One of the properties of the prop	Point 9 DW20b	(monthly)		· · · · · · · · · · · · · · · · · · ·	_	
Point 10 DW21b		24 /22 /22	20/00/00	•		ciosure.
Monitoring 15 July Point 10 DW21b 2020 2020 Total suspended solids 12 mg/L 2020 2020 Total suspended solids 10 mg/L 2020 2020 Total suspended solids 12 mg/L 2020 2020 Total suspended solids 20 mg/L	_		29/09/20	•		As per note 2
Monitoring 31/08/20 29/09/20 pH 8.6 pH mg/L that sampling monitoring 31/08/20 29/09/20 pH ND pH mg/L that sampling monitoring 31/08/20 29/09/20 pH ND mg/L DSS undertook Sampling as soon as it was safe to do so on 2010 monitoring 31/08/20 29/09/20 pH ND mg/L DSS undertook Sampling as soon as it was safe to do so on 2020 monitoring 31/08/20 29/09/20 pH 8.0 pH mg/L DSS undertook Sampling as soon as it was safe to do so on 2020 monitoring 15 July 18 August pH 7.8 pH There were two instances where 50 monitoring 15 July 18 August pH NA pH mg/L	Point 10 DW21b	(monthly)		· · · · · · · · · · · · · · · · · · ·		
Monitoring 15 July Point 10 DW21b 2020 Total suspended solids Turbidity ND NTU Point 10 DW21b 2020 (monthly) Turbidity NA NTU Point 11 EPL11 2020 2020 Total suspended solids Turbidity NA NTU Point 12 EPL11 2020 2020 Total suspended solids ND PH NA PH Point 12 EPL11 2020 2020 Total suspended solids ND PH NA PH Point 15 July Nonitoring Nonit		2 . /2 2 /2 2	20/20/20	·		
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Monitoring Point 12 EPL11 (monthly)	Point 11 EPL12	(monthly)		<u> </u>		
Point 12 EPL11 (monthly) Total suspended solids ND mg/L Sampling as soon as it was safe to do so on 11th of August, 2020. Total suspended solids Turbidity ND NTU Sampling as soon as it was safe to do so on 11th of August, 2020. Monitoring 15 July 18 August pH NA pH rainfall was received at the premises within a NTU Point 12 EPL11 2020 2020 Total suspended solids Turbidity NA NTU Turbidity NA NTU Point 12 EPL11 2020 2020 Total suspended solids Turbidity NA NTU Point 12 EPL11 2020 2020 Total suspended solids Turbidity NA NTU Point 12 EPL11 2020 2020 Total suspended solids Turbidity NA NTU Point 18 EPL13 2020 2020 Total suspended solids Turbidity NA NTU Point 19 DW20b 2020 Total suspended solids Turbidity NA NTU Point 19 DW20b 2020 2020 Total suspended solids Turbidity Turbidity Turbidity NA NTU Point 19 EPL11 2020 2020 Total suspended solids Turbidity Turbidit		24 /00 /20	20/00/20	·		
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Monitoring 15 July 18 August Ph Point 10 DW21b Concerns and flash Point 12 EPL11 2020 2020 2020 Total suspended solids Turbidity Turbidi	Manitavina	24 /00 /20	20/00/20	•		
Monitoring 15 July 18 August pH 7.8 pH rainfall was received at the premises within a Monitoring 15 July 18 August pH 7.2 pH rainfall was received at the premises within a Monitoring 15 July 18 August pH 7.2 pH 48 hour period in yas y	_		29/09/20	•	-	
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Point 11 EPL12 2020 2020 Total suspended solids Turbidity 12 NTU 28/7/2020 and 28/7/2020). Monitoring 15 July 2020 2020 Total suspended solids 52 mg/L (monthly) 18 August pH 7.1 pH the 28th of July, 2020 due to safety (monthly) 18 August pH 7.1 pH the 28th of July, 2020 due to safety (monthly) 18 August pH 7.1 pH the 28th of July, 2020 due to safety (monthly) 18 August pH 8.1 pH 8.1 pH flooding. As per Point 9 DW20b 2020 2020 Total suspended solids 14 mg/L (50mm) Turbidity 15 NTU condition M2.3 the Site notified the Point 10 DW21b (50mm) 2020 2020 Total suspended solids Turbidity NA NTU Site notified the Point 10 DW21b 2020 2020 Total suspended solids NA mg/L NTU Site notified the Point 11 EPL12 2020 2020 Total suspended solids NA mg/L NTU NTU Sampling as soon as it was safe to do so on 29th of July, 2020 no 2920 Total suspended solids NA mg/L NTU NO 00 29th of July, 2020 NO 2020 NO 2020 Total suspended solids NA mg/L NTU NO 00 29th of July, 2020 NO 2	Monitoring		18 Διισιιςτ	·		· ·
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Monitoring 15 July 2020 2020 Total suspended solids 52 mg/L to be accessed on 15 July 18 August pH 7.1 pH the 28th of July, 2020 due to safety (monthly) Turbidity 5.9 NTU concerns and flash flooding. As per Point 9 DW20b 2020 2020 Total suspended solids Turbidity 15 NTU (50mm) Turbidity 15 NTU condition M2.3 the Site notified the PH NA pH site notified the EPA and undertook sampling as soon as it was safe to do so on 29th of July, 2020 and on 29th of July,	TOINC II LI LIZ		2020	· · · · · · · · · · · · · · · · · · ·		
Point 12 EPL11 2020 2020 Total suspended solids Turbidity 100 NTU to be accessed on to be accessed on 100 NTU the 28th of July, 2020 due to safety 2020 (monthly) Total suspended solids 6.0 mg/L 2020 due to safety 2020 du	Monitoring		18 August	•		-, ,,
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Monitoring 15 July 2020 2020 Total suspended solids 6.0 mg/L 2020 due to safety concerns and flash flooding. As per Point 9 DW20b 2020 2020 Total suspended solids 14 mg/L condition M2.3 the Point 10 DW21b 2020 2020 Total suspended solids Turbidity 15 NTU condition M2.3 the Site notified the Point 10 DW21b 2020 2020 Total suspended solids Turbidity NA NTU Site notified the Point 11 EPL12 2020 2020 Total suspended solids NA mg/L Site notified the Point 11 EPL12 2020 2020 Total suspended solids 3 mg/L NTU NA NTU NTU NA Safe to do so on 29th of July, 2020 2020 Total suspended solids 3 mg/L 2020 on 29th of July, 2020 2020 Total suspended solids 3 mg/L 2020 on 29th of July, 2020	7 01110 12 21 211		2020	•	_	
Point 18 EPL13 2020 2020 Total suspended solids Turbidity 5.9 NTU concerns and flash Turbidity 5.9 NTU concerns and flash flooding. As per Point 9 DW20b 2020 2020 Total suspended solids 14 mg/L note 2 within Condition M2.3 the Site notified the Point 10 DW21b 2020 2020 Total suspended solids Turbidity NA NTU Site notified the EPA and undertook sampling as soon as it was safe to do so Point 11 EPL12 2020 2020 Total suspended solids 3 mg/L note 2 within Condition M2.3 the Site notified the POINT NA NTU Sampling as soon as it was safe to do so on 29th of July,	Monitoring		18 August	•		
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Monitoring27 July24 AugustpH8.1pHflooding. As perPoint 9 DW20b20202020Total suspended solids14mg/Lnote 2 within(50mm)Turbidity15NTUcondition M2.3 theMonitoring27 July24 AugustpHNApHsite notified thePoint 10 DW21b20202020Total suspended solids TurbidityNAng/LEPA and undertook sampling as soon as it was safe to do soMonitoring27 July24 August Point 11 EPL12pH7.2pHit was safe to do so on 29th of July,	. 5 25 2. 220			· · · · · · · · · · · · · · · · · · ·		I
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Monitoring27 July24 AugustpHNApHsite notified the site notified the	_		_	' ·	· ·	I
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Point 10 DW21b2020 (50mm)2020Total suspended solids TurbidityNAmg/L NAEPA and undertook sampling as soon as it was safe to do so on 29th of July,Monitoring Point 11 EPL1220202020Total suspended solids3mg/LEPA and undertook sampling as soon as it was safe to do so on 29th of July,	Monitoring		24 August	•		site notified the
Monitoring 27 July 24 August pH 7.2 pH it was safe to do so On 29th of July,	_		_	•	· ·	EPA and undertook
Monitoring27 July24 AugustpH7.2pHit was safe to do soPoint 11 EPL1220202020Total suspended solids3mg/Lon 29th of July,				I =		sampling as soon as
Point 11 EPL12 2020 2020 Total suspended solids 3 mg/L on 29th of July,	Monitoring		24 August	•		
	_		_	•	· ·	
				I =		2020

	Dullillor		a Project Environment			T
Monitoring	27 July	24 August	рН	6.4	pН	
Point 12 EPL11	2020	2020	Total suspended solids	52	mg/L	
	(50mm)		Turbidity	100	NTU	
Monitoring	27 July	24 August	рН	8.1	pН	
Point 18 EPL13	2020	2020	Total suspended solids	33	mg/L	
	(50mm)		Turbidity	35	NTU	
Monitoring	29 July	24 August	рН	7.6	pН	
Point 9 DW20b	2020	2020	Total suspended solids	10	mg/L	
	(50mm)		Turbidity	30	NTU	
Monitoring	29 July	24 August	рН	NA	рН	
Point 10 DW21b	2020	2020	Total suspended solids	NA	mg/L	
	(50mm)		Turbidity	NA	NTU	
Monitoring	29 July	24 August	рН	7.5	рН	
Point 11 EPL12	2020	2020	Total suspended solids	4	mg/L	
	(50mm)		Turbidity	9	NTU	
Monitoring	29 July	24 August	рН	6.5	рН	
Point 12 EPL11	2020	2020	Total suspended solids	10	mg/L	
	(50mm)		Turbidity	26	NTU	
Monitoring	29 July	24 August	рН	6.7	рН	
Point 18 EPL13	2020	2020	Total suspended solids	6	mg/L	
	(50mm)		Turbidity	11	NTU	
Monitoring 2	26 June 20		pH	8.0	рН	There was no
_	(monthly)		Total suspended solids	8.0	mg/L	instance in June
	` ''		Turbidity	6.8	NTU	where 50 mm or
Monitoring 2	26 June 20		pH	NA	рН	more of rainfall was
•	(monthly)		Total suspended solids	NA	mg/L	received at the
	` "		Turbidity	NA	NTU	premises within a
Monitoring 2	26 June 20		рН	ND	рН	48 hour period.
	(monthly)		Total suspended solids	ND	mg/L	·
, , , , , , , , , , , , , , , , , , , ,	(**************************************		Turbidity	ND	NTU	
Monitoring 2	26 June 20		pH	ND	pH	
•	(monthly)		Total suspended solids	ND	mg/L	
01111	(,		Turbidity	ND	NTU	
Monitoring 2	26 June 20		randialey	113	1110	
_	(monthly)		рН	7.0	рН	
1 01110 20 21 2 20	(,		Total suspended solids	149	mg/L	
			Turbidity	4.1	NTU	
Monitoring 2	22 May 20		pH	7.9	pH	There was no
-	(monthly)		Total suspended solids	14	mg/L	instance in May
10111113 577205	(11101161114)		Turbidity	8.3	NTU	where 50 mm or
Monitoring 2	22 May 20		pH	NA	pH	more of rainfall was
-	(monthly)		Total suspended solids	NA NA	mg/L	received at the
TOING TO DVVZID	(11101161114)		Turbidity	NA NA	NTU	premises within a
Monitoring 2	22 May 20		pH	ND	pH	48 hour period.
_	(monthly)		Total suspended solids	ND	mg/L	
FOIIIC II LFLIZ	(inoliting)		Turbidity	ND ND	NTU	
Monitoring 2	22 May 20		pH	ND		
_	(monthly)		Total suspended solids	ND ND	pH mg/l	
I OHIL IZ EFLII	(monthly)		Turbidity	ND ND	mg/L NTU	
Monitoring	22 May 20		pH	7.2	1	
_	(monthly)		рн Total suspended solids	7.2 5.0	pH mg/l	
I OHIL TO ELLTO	(monuny)		•		mg/L	
Monitoria	20 Amil 20		Turbidity	5.8	NTU	Thoro
_	30 April 20		pH	7.5	pH mg/l	There was no
Point 9 DW20b	(monthly)		Total suspended solids	12	mg/L	instance in April
NA 11 1	20.4 11.00		Turbidity	5.4	NTU	where 50 mm or
	30 April 20		рН	NA	pН	more of rainfall was
_	-					
_	(monthly)		Total suspended solids Turbidity	NA NA	mg/L NTU	received at the

Monitoring	30 April 20	рН	ND	рН	premises within a
Point 11 EPL12	(monthly)	Total suspended solid	s ND	mg/L	48 hour period.
		Turbidity	ND	NTU	
Monitoring	30 April 20	рН	ND	рН	
Point 12 EPL11	(monthly)	Total suspended solid	s ND	mg/L	
		Turbidity	ND	NTU	
Monitoring	30 April 20	рН	7.8	рН	
Point 18 EPL13	(monthly)	Total suspended solid	21	mg/L	
		Turbidity	14	NTU	
Monitoring	23 Mar 20	рН	7.6	рН	There was no
Point 9 DW20b	(monthly)	Total suspended solid	6 4	mg/L	instance in March
		Turbidity	4	NTU	where 50 mm or
Monitoring	23 Mar 20	рН	NA	рН	more of rainfall was
Point 10 DW21b	(monthly)	Total suspended solid	S NA	mg/L	received at the
		Turbidity	NA	NTU	premises within a
Monitoring	23 Mar 20	рН	ND	рН	48 hour period.
Point 11 EPL12	(monthly)	Total suspended solid	s ND	mg/L	
		Turbidity	ND	NTU	
Monitoring	23 Mar 20	рН	ND	рН	
Point 12 EPL11	(monthly)	Total suspended solid	s ND	mg/L	
		Turbidity	ND	NTU	
Monitoring	23 Mar 20	рН	6.8	рН	
Point 18 EPL13	(monthly)	Total suspended solid	44	mg/L	
		Turbidity	12	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 https://www.boral.com.au/locations/boral-dunmore-operations

Dunmore Lakes Sand Project Monitoring Locations.

Water Quality Monitoring Locations

