September 2024

Berrima Colliery - Medway

POELA Act 2011 Monitoring Data - 2024

Berrima Colliery, Medway, NSW
Environmental Protection Licence Number 608, held by Boral Limited

Explanation of units of measure:

mg/m^3 = milligrams per cubic metre
g/m^2/month = grams per square metre per month
µg/m^3 = micrograms per cubic metre
mg/L = milligrams per litre
ML/d = megalitres per day

Record updated on: **09 September 2024**

1. Water monitoring

Berrima Colliery has two licensed discharge points and four ambient background monitoring points:

Discharge Points:

- Mine Adit - Naturally occurring groundwater is captured in the underground workings and is discharged into the Wingecarribee River. The monitoring point is referred to as V Notch Weir (Licence Point 4).
- Pit Top Dam – Referred to as the Chitter Dam, this dam collects water runoff from the surface facilities area. This dam did not discharge during the reporting period.

Ambient background monitoring points:

- Wingecarribee River upstream of the mine adit discharge at Old Hume Highway Crossing at Berrima (Licence Point 9).
- Wingecarribee River upstream of the mine adit discharge at Macarthur's Crossing (Licence Point 10).
- Wingecarribee River downstream of the mine adit discharge at Biloela Camp Site (Licence Point 11).
- Wingecarribee River downstream of mine adit discharge at Black Bob's confluence (Licence Point 12).

Licence limits for both discharge points are as follows:

pH: 6.5-8.5
Oil and Grease: 10 mg/L
Total Suspended Solids: 50 mg/L

Table 1 shows the results of parameters for Licence Point 4 for which the licence limits apply as listed above.

Table 2 provides the data for all of the parameters monitored at the Licenced Discharge Point 4 while Table 3 presents ambient water monitoring data. No concentration limits are assigned to these parameters with the exception of pH, suspended solids, and oil and grease as described above for the discharge point.

Table 1 – Discharge Monitoring Data (Licence Point 4)

Sampling Date	Report received	Date published	pH	Oil and Grease (mg/L)	Total Suspended Solids (mg/L)
23/01/17	03/02/17	6/02/17	6.72	<5	24
31/03/17	08/05/17	5/06/17	6.83	<5	7
30/05/17	06/06/17	4/07/17	6.71	<5	9
04/07/17	07/08/17	8/08/17	6.80	<5	9
12/09/17	10/10/17	13/10/17	6.75	<5	32
09/11/17	17/11/17	6/12/17	6.60	<5	10
31/01/18	09/02/18	13/02/18	6.77	<5	34
27/03/18	12/04/18	14/04/18	6.84	<5	8
31/05/18	11/06/18	12/06/18	6.98	<5	14
26/07/18	1/08/18	14/08/18	6.85	<5	11
25/09/18	3/10/18	4/10/18	6.62	<5	6
27/11/18	15/01/19	15/01/19	7.14	<5	<5
31/01/19	08/02/19	11/02/19	7.05	9.0	<5
26/03/19	11/04/19	12/04/19	7.29	<5	<5
23/05/19	12/06/219	13/06/19	7.28	<5	<5
25/07/19	29/07/19	08/08/19	6.72	<5	7
25/09/19	08/10/19	10/10/19	6.93	<5	7
28/11/19	10/12/19	12/12/19	7.27	<5	4
11/01/20	11/02/20	11/02/20	7.34	<5	<5
24/03/20	08/04/20	08/04/20	7.30	<5	<5
19/05/20	25/05/20	04/06/20	7.01	<5	19
21/07/20	29/07/20	11/08/20	7.01	<5	<5
21/09/20	28/09/20	01/10/20	7.20	<5	<5
25/11/20	03/12/20	10/12/20	6.90	<5	<5
18/01/21	27/01/21	10/02/21	6.70	<5	<5
30/03/21	08/04/21	12/04/21	6.70	<5	<5
20/05/21	01/06/21	11/06/21	6.96	<5	5
22/07/21	04/08/21	10/08/21	6.66	<5	<5
21/09/21	30/09/21	14/10/21	6.50	*	6
22/11/21	29/11/21	06/12/21	7.20	*	<5
10/02/22	17/02/22	11/03/22	6.54	*	5
28/03/22	07/04/22	13/04/22	6.54	*	8
23/05/22	31/05/22	10/06/22	6.94	*	7
25/07/22	02/08/22	22/08/22	6.63	*	<5
19/09/22	29/09/22	14/10/22	7.07	*	<5
24/11/22	01/12/22	14/12/22	7.31	*	<5
23/01/23	02/02/23	07/02/23	7.18	*	6
20/03/23	29/03/23	11/04/23	6.97	*	<5
25/05/23	01/06/23	09/06/23	7.52	*	<5
27/07/23	03/08/23	11/08/23	7.02	*	<5
21/09/23	28/09/23	08/10/23	7.13	*	<5
20/11/23	29/11/23	06/12/23	7.20	*	<5
31/01/24	09/02/24	13/02/24	6.99	*	<5
18/03/24	26/03/24	10/04/24	7.16	*	12
20/05/24	29/05/24	11/06/24	6.99	*	<5
29/07/24	07/08/24	07/08/24	6.85	*	<5

Note: values noted as <5 means that the levels were below laboratory detection limits.
Compliance summary: Discharge within the licence limits.
*The requirement to monitor oil and grease was removed from the EPL on 30th August 2021.

Table 2 – Additional Monitoring Parameters for Licence Point 4

Parameter	Date Sampled: 23/01/17 Report Received: 03/02/17 Date Published: 06/02/17	Date Sampled: 31/03/17 Report Received: 08/05/17 Date Published: 05/06/17	Date Sampled: 30/05/17 Report Received: 06/06/17 Date Published: 04/07/17	Date Sampled: 04/07/17 Report Received: 07/08/17 Date Published: 08/08/17	Date Sampled: 12/09/17 Report Received: 10/10/17 Date Published: 13/10/17
pH	6.72	6.83	6.71	6.80	6.75
Electrical conductivity	1030	1100	960	997	976
Total Suspended Solids	24	7	9	9	32
Sulphate	333	323	332	310	335
Chloride	52	59	59	58	50
Cobalt (dissolved)	0.147	0.135	0.134	0.139	0.134
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	10.9	10.4	11.2	11.3	11.1
Nickel (dissolved)	0.421	0.367	0.393	0.414	0.386
Zinc (dissolved)	1.25	0.678	0.684	0.731	0.572
Iron (dissolved)	9.13	0.73	6.28	13.3	<0.05
Oil and Grease	<5	<5	<5	<5	<5
Dissolved oxygen	10.1	8.6	8.8	9.6	7.0

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 09/11/17 Report Received: 17/11/17 Date Published: 06/12/17	Date Sampled: 31/01/18 Report Received: 09/02/18 Date Published: 13/02/18	Date Sampled: 27/03/18 Report Received: 12/04/18 Date Published: 14/04/18	Date Sampled: 31/05/18 Report Received: 11/06/18 Date Published: 12/06/18	Date Sampled: 26/07/18 Report Received: 1/07/18 Date Published: 14/08/18
pH	6.60	6.77	6.84	6.98	6.85
Electrical conductivity	931	931	970	923	910
Total Suspended Solids	10	34	8	14	11
Sulphate	343	380	357	341	332
Chloride	55	57	60	54	57
Cobalt (dissolved)	0.134	0.131	0.081	0.054	0.018
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	10.8	10.5	6.82	4.86	1.85
Nickel (dissolved)	0.357	0.345	0.262	0.198	0.123
Zinc (dissolved)	0.518	0.446	0.434	0.266	0.158
Iron (dissolved)	13.0	8.91	5.65	2.80	0.21
Oil and Grease	<5	<5	<5	<5	<5
Dissolved oxygen	7.6	7.1	7.7	8.6	11.1

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 25/09/18 Report Received: 3/10/18 Date Published: 4/10/18	Date Sampled: 27/11/18 Report Received: 15/1/19 Date Published: 15/1/19	Date Sampled: 31/1/19 Report Received: 08/02/19 Date Published: 11/02/19	Date Sampled: 26/3/19 Report Received: 11/04/19 Date Published: 12/04/19	Date Sampled: 23/5/19 Report Received: 12/06/19 Date Published: 13/06/19
pH	6.62	7.14	7.05	7.29	7.28
Electrical conductivity	939	868	826	814	790
Total Suspended Solids	6	<5	<5	<5	<5
Sulphate	330	321	238	261	280
Chloride	71	57	64	59	41
Cobalt (dissolved)	0.049	0.063	0.002	0.002	0.025
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	4.46	5.52	1.13	0.543	1.94
Nickel (dissolved)	0.196	0.198	0.082	0.065	0.066
Zinc (dissolved)	0.215	0.210	0.093	0.064	0.114
Iron (dissolved)	2.87	2.32	<0.05	<0.05	<0.05
Oil and Grease	<5	<5	9.0	<5	<5
Dissolved oxygen	8.4	9.8	8.0	8.4	9.9

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 27/7/19 Report Received: 29/07/19 Date Published: 08/08/19	Date Sampled: 26/9/19 Report Received: 08/10/19 Date Published: 10/10/19	Date Sampled: 28/11/19 Report Received: 10/12/19 Date Published: 12/12/19	Date Sampled: 14/01/20 Report Received: 11/02/20 Date Published: 12/03/20	Date Sampled: 24/03/20 Report Received: 08/04/20 Date Published: 08/04/20
pH	6.72	6.93	7.27	7.34	7.30
Electrical conductivity	743	782	748	915	1110
Total Suspended Solids	7	7	4	<5	<5
Sulphate	290	306	238	306	455
Chloride	45	55	48	54	54
Cobalt (dissolved)	0.021	0.022	0.018	0.01	0.008
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	1.68	1.68	1.31	0.674	3.61
Nickel (dissolved)	0.065	0.067	0.050	0.040	0.18
Zinc (dissolved)	0.13	0.144	0.137	0.115	0.25
Iron (dissolved)	0.53	0.1	<0.05	<0.05	<0.05
Oil and Grease	<5	<5	<5	<5	<5
Dissolved oxygen	9.7	9.5	8.7	7.9	8.0

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 19/05/20 Report Received: 25/05/20 Date Published: 04/06/20	Date Sampled: 21/07/20 Report Received: 29/07/20 Date Published: 11/08/20	Date Sampled: 21/09/20 Report Received: 28/09/20 Date Published: 01/10/20	Date Sampled: 25/11/20 Report Received: 04/12/20 Date Published: 10/12/20	Date Sampled: 18/01/21 Report Received: 27/01/21 Date Published: 10/02/21
pH	7.01	7.01	7.2	6.9	6.7
Electrical conductivity	968	1050	1100	1110	1030
Total Suspended Solids	19	<5	<5	<5	<5
Sulphate	404	462	448	436	440

Parameter	Date Sampled: 19/05/20 Report Received: 25/05/20 Date Published: 04/06/20	Date Sampled: 21/07/20 Report Received: 29/07/20 Date Published: 11/08/20	Date Sampled: 21/09/20 Report Received: 28/09/20 Date Published: 01/10/20	Date Sampled: 25/11/20 Report Received: 04/12/20 Date Published: 10/12/20	Date Sampled: 18/01/21 Report Received: 27/01/21 Date Published: 10/02/21
Chloride	44	58	55	52	56
Cobalt (dissolved)	0.011	0.004	0.003	0.006	0.010
Copper (dissolved)	<0.001	<0.001	<0.001	0.006	<0.001
Manganese (dissolved)	1.4	2.08	1.86	2.59	2.98
Nickel (dissolved)	0.085	0.123	0.147	0.171	0.197
Zinc (dissolved)	0.188	0.227	0.250	0.319	0.375
Iron (dissolved)	0.4	0.05	<0.05	0.11	<0.05
Oil and Grease	<5	<5	<5	<5	<5
Dissolved oxygen	9.2	9.4	8.8	9.5	10.2

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 30/03/21 Report Received: 08/04/21 Date Published: 12/04/21	Date Sampled: 20/05/21 Report Received: 01/06/21 Date Published: 11/06/21	Date Sampled: 22/07/21 Report Received: 04/08/21 Date Published: 10/08/21	Date Sampled: 21/09/21 Report Received: 30/09/21 Date Published: 11/10/21	Date Sampled: 22/11/21 Report Received: 29/11/21 Date Published: 06/12/21
pH	6.7	6.96	6.66	6.50	7.20
Electrical conductivity	993	990	970	990	969
Total Suspended Solids	<5	5	<5	6	<5
Sulphate	408	410	398	375	410
Chloride	53	57	63	60	61
Cobalt (dissolved)	0.008	0.006	<0.001	0.005	0.004
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	2.57	1.74	1.41	1.12	1.45
Nickel (dissolved)	0.179	0.146	0.132	0.118	0.149
Zinc (dissolved)	0.353	0.278	0.295	0.284	0.289
Iron (dissolved)	0.05	0.10	0.08	<0.05	<0.05
Oil and Grease	<5	<5	<5	*	*
Dissolved oxygen	9.2	9.7	11.4	9.6	9.8

Units measured in milligrams per litre unless otherwise specified.

*The requirement to monitor oil and grease was removed from the EPL on 30th August 2021

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 10/02/22 Report Received: 17/02/22 Date Published: 11/03/22	Date Sampled: 28/03/22 Report Received: 7/03/22 Date Published: 13/04/22	Date Sampled: 23/05/22 Report Received: 31/05/22 Date Published: 10/06/22	Date Sampled: 25/07/22 Report Received: 02/08/22 Date Published: 22/08/22	Date Sampled: 19/09/22 Report Received: 29/09/22 Date Published: 14/10/22
pH	6.54	6.54	6.94	6.63	7.07
Electrical conductivity	937	985	1010	1040	989
Total Suspended Solids	5	8	7	<5	<5
Sulphate	395	415	401	415	449
Chloride	65	61	61	62	60
Cobalt (dissolved)	0.051	0.064	0.052	0.075	0.03
Copper (dissolved)	0.01	<0.001	<0.001	<0.001	<0.001

Parameter	Date Sampled: 10/02/22 Report Received: 17/02/22 Date Published: 11/03/22	Date Sampled: 28/03/22 Report Received: 7/03/22 Date Published: 13/04/22	Date Sampled: 23/05/22 Report Received: 31/05/22 Date Published: 10/06/22	Date Sampled: 25/07/22 Report Received: 02/08/22 Date Published: 22/08/22	Date Sampled: 19/09/22 Report Received: 29/09/22 Date Published: 14/10/22
Manganese (dissolved)	7.78	6.78	5.96	6.94	3.75
Nickel (dissolved)	0.317	0.324	0.269	0.294	0.187
Zinc (dissolved)	0.476	0.508	0.298	0.443	0.193
Iron (dissolved)	0.14	3.06	<0.05	3.86	<0.05
Dissolved oxygen	10.4	7.6	10.5	9.8	9.7

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 24/11/22 Report Received: 01/12/22 Date Published: 14/12/22	Date Sampled: 23/1/23 Report Received: 2/02/23 Date Published: 7/02/23	Date Sampled: 20/03/23 Report Received: 29/03/23 Date Published: 11/04/23	Date Sampled: 25/05/23 Report Received: 01/07/23 Date Published:9/6/23	Date Sampled: 27/07/23 Report Received: 3/08/23 Date Published: 11/08/23
pH	7.31	7.18	6.97	7.52	7.02
Electrical conductivity	1040	1050	989	1050	995
Total Suspended Solids	<5	6	<5	<5	<5
Sulphate	444	427	436	443	403
Chloride	59	62	57	54	70
Cobalt (dissolved)	0.024	0.016	0.015	0.023	0.029
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	3.44	2.19	1.9	2.14	2.62
Nickel (dissolved)	0.164	0.123	0.103	0.118	0.13
Zinc (dissolved)	0.164	0.098	0.073	0.105	0.101
Iron (dissolved)	<0.05	<0.05	<0.05	<0.05	<0.05
Dissolved oxygen	8.9	9.0	8.4	9.5	9.1

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 21/09/2023 Report Received: 28/09/23 Date Published: 08/10/23	Date Sampled: 20/11/23 Report Received: 29/11/23 Date Published: 06/12/23	Date Sampled: 31/01/24 Report Received: 9/02/24 Date Published: 13/02/24	Date Sampled: 18/03/24 Report Received: 26/03/24 Date Published: 10/04/24	Date Sampled: 20/5/24 Report Received: 29/5/24 Date Published: 11/6/24
pH	7.13	7.20	6.99	7.16	6.99
Electrical conductivity	1050	942	1030	1030	983
Total Suspended Solids	<5	<5	<5	12	<5
Sulphate	358	414	406	391	388
Chloride	57	92	66	61	65
Cobalt (dissolved)	0.028	0.035	0.034	0.032	0.033
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	2.31	2.88	3.01	3.14	2.51
Nickel (dissolved)	0.125	0.153	0.141	0.124	0.138
Zinc (dissolved)	0.141	0.188	0.130	0.086	0.152
Iron (dissolved)	<0.05	<0.05	<0.05	<0.05	0.35
Dissolved oxygen	9.1	8.7	9.6	9.1	9.0

Units measured in milligrams per litre unless otherwise specified.

Table 2 – Additional Monitoring Parameters for Licence Point 4 (continued)

Parameter	Date Sampled: 29/07/24 Report Received: 07/08/24 Date Published: 07/08/24	Date Sampled: Report Received: Date Published:	Date Sampled: Report Received: Date Published:	Date Sampled: Report Received: Date Published:	Date Sampled: Report Received: Date Published:
pH	6.85				
Electrical conductivity	925				
Total Suspended Solids	<5				
Sulphate	388				
Chloride	59				
Cobalt (dissolved)	0.028				
Copper (dissolved)	<0.001				
Manganese (dissolved)	2.45				
Nickel (dissolved)	0.124				
Zinc (dissolved)	0.147				
Iron (dissolved)	0.1				
Dissolved oxygen	9.6				

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data

Date Sampled: 31 January 2017
Report Received: 7 February 2017
Date Published: 8 March 2017

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.95	7.57	7.67	7.66
Electrical conductivity	393	301	577	586
Suspended Solids	8	<5	<5	8
Sulphate	29	11	126	114
Chloride	49	44	49	50
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	0.005	<0.001
Manganese (dissolved)	0.004	0.022	0.312	0.268
Nickel (dissolved)	<0.001	<0.001	0.006	0.004
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.08	0.16	0.10	0.10

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued

Date Sampled: 28 March 2017
Report Received: 6 April 2017
Date Published: 5 May 2017

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.55	7.61	7.51	7.60
Electrical conductivity	161	168	186	189
Suspended Solids	13	24	6	<5
Sulphate	5	5	9	9

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Chloride	19	20	22	22
Cobalt	<0.001	<0.001	0.001	<0.001
Copper (dissolved)	0.002	0.002	0.002	0.002
Manganese (dissolved)	0.027	0.046	0.124	0.111
Nickel (dissolved)	0.001	0.001	0.006	0.006
Zinc (dissolved)	0.005	<0.005	0.011	0.011
Iron (dissolved)	0.47	0.49	0.51	0.47

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 30 May 2017
Report Received: 6 June 2017
Date Published: 4 July 2017

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.98	7.90	7.81	7.59
Electrical conductivity	213	222	312	302
Suspended Solids	7	6	6	<5
Sulphate	18	13	35	36
Chloride	33	33	37	36
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.036	0.006	0.078	0.064
Nickel (dissolved)	<0.001	<0.001	0.012	0.009
Zinc (dissolved)	0.038	0.034	0.046	0.044
Iron (dissolved)	0.74	0.56	0.52	0.42

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 3 August 2017
Report Received: 17 August 2017
Date Published: 11 September 2017

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.69	7.82	7.67	7.67
Electrical conductivity	203	222	315	251
Suspended Solids	48	17	7	6
Sulphate	15	10	44	42
Chloride	34	35	38	37
Cobalt	<0.001	<0.001	0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.006	0.006	0.212	0.081
Nickel (dissolved)	<0.001	<0.001	0.020	0.013
Zinc (dissolved)	<0.005	<0.005	0.021	0.014
Iron (dissolved)	0.24	0.29	0.21	0.29

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 5 September 2017
Report Received: 8 September 2017
Date Published: 13 October 2017

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.71	7.77	7.72	7.70
Electrical conductivity	270	273	372	378
Suspended Solids	6	<5	<5	6
Sulphate	17	14	48	52
Chloride	37	39	40	40
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.002	0.002	0.147	0.085
Nickel (dissolved)	<0.001	<0.001	0.014	0.010
Zinc (dissolved)	<0.005	<0.005	0.010	0.006
Iron (dissolved)	<0.05	<0.05	<0.05	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 8 and 9 November 2017
Report Received: 1 December 2017
Date Published: 6 December 2017

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.75	7.79	7.65	7.53
Electrical conductivity	347	315	390	347
Suspended Solids	564	14	6	<5
Sulphate	33	23	57	44
Chloride	45	43	42	40
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.041	0.011	0.404	0.157
Nickel (dissolved)	<0.001	<0.001	0.010	0.006
Zinc (dissolved)	<0.005	0.007	0.006	<0.005
Iron (dissolved)	0.07	0.11	0.06	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 31 January 2018
Report Received: 9 January 2018
Date Published: 13 February 2018

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.65	7.53	7.55	7.47
Electrical conductivity	325	293	420	552
Suspended Solids	6	<5	<5	7
Sulphate	23	18	65	151
Chloride	42	39	43	46
Cobalt	<0.001	<0.001	<0.001	<0.001

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.039	0.034	0.262	0.336
Nickel (dissolved)	0.002	0.001	0.006	0.004
Zinc (dissolved)	<0.005	<0.005	0.005	<0.005
Iron (dissolved)	0.13	0.15	0.08	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 27/28 March 2018
Report Received: 12 April 2018
Date Published: 14 April 2018

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.51	7.7	7.54	7.67
Electrical conductivity	265	360	548	500
Suspended Solids	5	<5	<5	<5
Sulphate	24	34	117	84
Chloride	34	46	53	53
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	<0.001	0.018	0.291	0.255
Nickel (dissolved)	<0.001	<0.001	0.007	0.004
Zinc (dissolved)	<0.005	<0.005	0.012	0.006
Iron (dissolved)	0.09	0.09	<0.05	0.09

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 28 May 2018
Report Received: 11 June 2018
Date Published: 12 June 2018

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.53	7.58	7.6	7.54
Electrical conductivity	320	268	428	483
Suspended Solids	8	<5	<5	----
Sulphate	27	19	91	114
Chloride	37	33	40	42
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	0.002
Manganese (dissolved)	0.033	0.018	0.064	0.071
Nickel (dissolved)	<0.001	0.002	0.004	0.003
Zinc (dissolved)	<0.005	0.007	<0.005	<0.005
Iron (dissolved)	0.16	0.14	0.08	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data - Continued
Date Sampled: 26 July 2018
Report Received: 01 August 2018
Date Published: 14 August 2018

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.11	6.97	7.35	7.3
Electrical conductivity	307	315	455	428
Suspended Solids	<5	<5	<5	<5
Sulphate	36	36	86	71
Chloride	36	38	44	44
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.035	0.011	0.024	0.023
Nickel (dissolved)	0.264	0.001	0.005	0.003
Zinc (dissolved)	0.009	<0.005	0.006	0.008
Iron (dissolved)	0.15	0.09	0.09	0.08

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 September 2018
Report Received: 3 October 2018
Date Published: 4 October 2018

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.57	7.61	7.41	7.28
Electrical conductivity	317	307	596	542
Suspended Solids	<5	<5	<5	<5
Sulphate	34	27	145	119
Chloride	42	42	50	49
Cobalt	<0.0001	<0.0001	<0.001	<0.001
Copper (dissolved)	<0.0001	<0.0001	<0.001	<0.001
Manganese (dissolved)	0.038	0.016	0.119	0.094
Nickel (dissolved)	0.001	<0.001	0.007	<0.01
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.07	0.06	0.05	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 27 November 2018
Report Received: 7 December 2018
Date Published: 13 December 2018

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.81	7.75	7.72	7.77
Electrical conductivity	279	294	549	468
Suspended Solids	6	<5	<5	<5
Sulphate	30	32	145	84

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Chloride	32	34	46	42
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.013	0.018	0.154	0.157
Nickel (dissolved)	<0.001	0.001	0.005	0.004
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.1	0.13	0.05	0.09

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 31 January 2019
Report Received: 7 February 2019
Date Published: 11 February 2019

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.19	7.26	7.26	7.2
Electrical conductivity	152	145	260	255
Suspended Solids	6	10	<5	<5
Sulphate	13	10	44	40
Chloride	25	24	32	32
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	0.001
Manganese (dissolved)	0.018	0.005	0.326	0.455
Nickel (dissolved)	<0.001	<0.001	0.006	0.005
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.23	0.36	0.19	0.23

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 26 March 2019
Report Received: 11 April 2019
Date Published: 12 April 2019

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.43	7.43	7.56	7.52
Electrical conductivity	175	173	217	208
Suspended Solids	10	11	9	8
Sulphate	13	11	21	23
Chloride	26	27	30	30
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.06	0.045	0.211	0.202
Nickel (dissolved)	<0.001	0.001	0.005	0.004
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.24	0.32	0.25	0.26

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 23 May 2019
Report Received: 12 June 2019
Date Published: 13 June 2019

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.27	7.48	7.37	7.38
Electrical conductivity	225	183	237	363
Suspended Solids	22	<5	<5	6
Sulphate	24	18	33	81
Chloride	29	26	29	35
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.021	0.019	0.076	0.138
Nickel (dissolved)	<0.001	<0.001	0.003	0.002
Zinc (dissolved)	0.006	0.011	0.127	<0.005
Iron (dissolved)	0.17	0.36	0.13	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 July 2019
Report Received: 08 August 2019
Date Published: 08 August 2019

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.38	6.67	6.73	6.72
Electrical conductivity	248	254	280	285
Suspended Solids	6	<5	<5	<5
Sulphate	24	20	22	25
Chloride	32	34	37	37
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	0.001	0.001	<0.001
Manganese (dissolved)	0.021	0.013	0.032	0.045
Nickel (dissolved)	0.001	0.001	0.003	0.002
Zinc (dissolved)	0.056	0.005	0.011	0.006
Iron (dissolved)	0.27	0.16	0.09	0.11

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 September 2019
Report Received: 08 October 2019
Date Published: 10 October 2019

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.16	6.52	6.52	6.53
Electrical conductivity	291	291	286	280
Suspended Solids	12	16	9	7

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Sulphate	33	33	29	28
Chloride	35	36	37	36
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.016	0.015	0.042	0.043
Nickel (dissolved)	0.001	0.006	0.002	0.002
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.18	0.16	0.1	0.12

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 28 November 2019
Report Received: 10 December 2019
Date Published: 12 December 2019

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.44	7.49	7.76	7.6
Electrical conductivity	277	299	428	345
Suspended Solids	7	<5	<5	13
Sulphate	25	24	25	34
Chloride	34	35	45	40
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.073	0.136	1.16	0.182
Nickel (dissolved)	<0.001	<0.001	0.008	0.002
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.17	0.16	0.09	0.13

Units measured in milligrams per litre unless otherwise specified.

Ambient water monitoring was not undertaken in January 2020 due to adverse conditions and catastrophic fire danger. Sampling of the ambient water quality sites is scheduled for February 2020.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 February 2020
Report Received: 12 March 2020
Date Published: 12 March 2020

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.16	7.13	7.13	7.14
Electrical conductivity	140	168	231	207
Suspended Solids	31	36	42	27
Sulphate	9	12	28	18
Chloride	22	26	30	30
Cobalt	<0.001	<0.001	0.004	0.001
Copper (dissolved)	0.002	0.002	0.002	0.003
Manganese (dissolved)	0.06	0.063	0.48	0.159

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Nickel (dissolved)	0.001	0.002	0.007	0.006
Zinc (dissolved)	<0.005	<0.005	0.013	0.01
Iron (dissolved)	0.36	0.46	0.81	0.58

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 24 March 2020
Report Received: 08 April 2020
Date Published: 08 April 2020

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.11	7.37	7.26	7.41
Electrical conductivity	202	195	298	280
Suspended Solids	8	<5	40	8
Sulphate	<1	<1	65	58
Chloride	24	23	30	26
Cobalt	<0.001	<0.001	0.002	<0.001
Copper (dissolved)	0.001	0.002	<0.001	<0.001
Manganese (dissolved)	0.045	0.054	0.421	0.314
Nickel (dissolved)	0.001	0.001	0.008	0.005
Zinc (dissolved)	<0.005	<0.005	0.011	<0.005
Iron (dissolved)	0.35	0.4	0.7	0.47

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued

Date Sampled: 19 May 2020
Report Received: 25 May 2020
Date Published: 04 June 2020

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.02	7.32	7.37	7.32
Electrical conductivity	278	244	270	287
Suspended Solids	6	<5	<5	<5
Sulphate	24	17	30	38
Chloride	36	34	33	34
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.03	0.023	0.109	0.115
Nickel (dissolved)	0.001	<0.001	0.004	0.002
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.21	0.26	0.29	0.3

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 21 July 2020
Report Received: 29 July 2020
Date Published: 11 August 2020

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.23	7.33	7.52	7.51
Electrical conductivity	183	221	290	292
Suspended Solids	12	10	7	6
Sulphate	7	10	28	27
Chloride	28	34	37	38
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.012	0.009	0.036	0.037
Nickel (dissolved)	<0.001	<0.001	0.004	0.003
Zinc (dissolved)	<0.005	<0.005	0.009	0.013
Iron (dissolved)	0.39	0.39	0.21	0.22

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 22 September 2020
Report Received: 28 September 2020
Date Published: 01 October 2020

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	6.33	6.45	6.48	6.47
Electrical conductivity	141	151	185	194
Suspended Solids	11	<5	<5	<5
Sulphate	6	2	21	24
Chloride	21	23	25	26
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.007	0.008	0.035	0.040
Nickel (dissolved)	<0.001	<0.001	0.002	0.005
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.40	0.38	0.29	0.35

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 November 2020
Report Received: 4 December 2020
Date Published: 10 December 2020

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	6.60	6.54	6.55	6.64
Electrical conductivity	218	196	279	238
Suspended Solids	6	<5	7	8
Sulphate	10	6	36	20

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Chloride	26	23	27	26
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.002	0.001	0.002	0.001
Manganese (dissolved)	0.050	0.039	0.171	0.182
Nickel (dissolved)	0.001	0.001	0.008	0.006
Zinc (dissolved)	<0.005	<0.005	0.005	<0.005
Iron (dissolved)	0.33	0.50	0.29	0.30

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 19 January 2021
Report Received: 28 January 2021
Date Published: 10 February 2021

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	6.78	6.69	6.62	6.61
Electrical conductivity	230	217	286	274
Suspended Solids	12	11	10	11
Sulphate	11	10	38	32
Chloride	29	28	32	31
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	0.005	<0.001	<0.001
Manganese (dissolved)	0.010	0.023	0.084	0.039
Nickel (dissolved)	<0.001	<0.001	0.005	0.004
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.16	0.28	0.15	0.12

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 30 March 2021
Report Received: 08 April 2021
Date Published: 09 April 2021

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.09	6.76	6.85	6.85
Electrical conductivity	141	145	162	161
Suspended Solids	23	18	16	15
Sulphate	7	7	10	11
Chloride	18	19	20	21
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	0.001	0.003	0.004
Manganese (dissolved)	0.023	0.010	0.061	0.055
Nickel (dissolved)	0.001	0.001	0.003	0.003
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.12	0.24	0.28	0.27

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 20 May 2021
Report Received: 28 May 2021
Date Published: 11 June 2021

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	6.36	6.38	6.33	6.33
Electrical conductivity	208	190	195	193
Suspended Solids	12	<5	<5	<5
Sulphate	10	9	17	16
Chloride	26	23	22	22
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	0.002	<0.001
Manganese (dissolved)	0.044	0.016	0.060	0.056
Nickel (dissolved)	0.002	0.001	0.004	0.004
Zinc (dissolved)	<0.005	<0.005	0.010	0.006
Iron (dissolved)	0.66	0.68	0.77	0.70

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 22 July 2021
Report Received: 30 July 2021
Date Published: 10 August 2021

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.01	6.91	6.91	6.8
Electrical conductivity	275	273	278	270
Suspended Solids	<5	<5	<5	<5
Sulphate	13	12	25	22
Chloride	54	54	43	43
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	0.003	<0.001	<0.001
Manganese (dissolved)	0.026	0.008	0.021	0.018
Nickel (dissolved)	<0.001	0.001	0.006	0.004
Zinc (dissolved)	<0.005	0.012	0.007	0.005
Iron (dissolved)	0.14	0.21	0.21	0.18

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 21 September 2021
Report Received: 30 September 2021
Date Published: 14 October 2021

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	6.78	6.75	6.66	6.70
Electrical conductivity	248	222	248	253
Suspended Solids	10	9	5	10
Sulphate	11	8	23	27

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Chloride	36	34	34	33
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	0.001
Manganese (dissolved)	0.009	0.011	0.034	0.035
Nickel (dissolved)	<0.001	0.001	0.004	0.004
Zinc (dissolved)	<0.005	<0.005	<0.005	0.008
Iron (dissolved)	0.14	0.17	0.15	0.14

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 22 November 2021
Report Received: 29 November 2021
Date Published: 06 December 2021

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	6.74	6.68	6.70	6.70
Electrical conductivity	217	198	212	226
Suspended Solids	18	10	8	6
Sulphate	10	3	15	21
Chloride	32	34	32	33
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.002	0.002	0.002	0.002
Manganese (dissolved)	0.043	0.012	0.029	0.054
Nickel (dissolved)	0.001	0.002	0.004	0.005
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.29	0.40	0.25	0.18

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 24 January 2022
Report Received: 03 February 2022
Date Published: 12 February 2022

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH	7.03	6.87	6.86	6.90
Electrical conductivity	266	258	276	269
Suspended Solids	13	12	12	16
Sulphate	<1	2	11	10
Chloride	36	34	35	35
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.010	0.002	0.002	0.001
Manganese (dissolved)	0.091	0.040	0.117	0.118
Nickel (dissolved)	0.002	0.001	0.008	0.006
Zinc (dissolved)	<0.005	<0.005	0.008	0.008
Iron (dissolved)	0.85	1.34	0.82	1.22

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 28 March 2022
Report Received: 07 April 2022
Date Published: 13 April 2022

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.22	7.11	7.24	7.14
Electrical conductivity (µS/cm)	165	174	197	193
Suspended Solids	18	12	9	9
Sulphate	4	4	7	7
Chloride	20	20	24	23
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	0.002	0.001	0.002
Manganese (dissolved)	0.036	0.007	0.060	0.034
Nickel (dissolved)	0.001	0.002	0.003	0.003
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.63	0.42	0.69	0.63

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 23 May 2022
Report Received: 31 May 2022
Date Published: 10 June 2022

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.30	6.99	7.31	7.29
Electrical conductivity (µS/cm)	248	211	252	251
Suspended Solids	16	13	9	<5
Sulphate	6	4	12	12
Chloride	33	30	34	34
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	<0.001	0.001	0.001
Manganese (dissolved)	0.087	0.023	0.069	0.063
Nickel (dissolved)	0.001	0.001	0.005	0.005
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.79	0.80	0.77	0.81

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 July 2022
Report Received: 02 August 2022
Date Published: 18 August 2022

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	6.83	6.84	6.74	6.78

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Electrical conductivity (µS/cm)	154	138	147	147
Suspended Solids	15	9	10	8
Sulphate	4	4	6	7
Chloride	25	24	24	24
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.001	0.001	0.001	0.001
Manganese (dissolved)	0.046	0.016	0.034	0.032
Nickel (dissolved)	<0.001	<0.001	0.002	0.002
Zinc (dissolved)	<0.005	0.014	<0.005	0.007
Iron (dissolved)	0.69	0.51	0.50	0.48

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 19 September 2022
Report Received: 19 September 2022
Date Published: 14 October 2022

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	6.87	7.19	7.30	7.31
Electrical conductivity (µS/cm)	163	170	200	207
Suspended Solids	9	<5	<5	5
Sulphate	5	6	13	13
Chloride	28	29	32	32
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.004	<0.001	<0.001	<0.001
Manganese (dissolved)	0.060	0.020	0.052	0.047
Nickel (dissolved)	<0.001	0.001	0.004	0.003
Zinc (dissolved)	0.006	<0.005	0.006	<0.005
Iron (dissolved)	0.69	0.55	0.57	0.59

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 24 November 2022
Report Received: 01 December 2022
Date Published: 14 December 2022

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.61	7.37	7.17	7.20
Electrical conductivity (µS/cm)	210	183	190	182
Suspended Solids	13	<5	10	9
Sulphate	8	6	15	14
Chloride	29	26	26	25
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.002	0.002	0.002	0.001
Manganese (dissolved)	0.091	0.024	0.085	0.094
Nickel (dissolved)	0.001	0.001	0.004	0.004

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.51	0.62	0.62	0.65

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 23 January 2023
Report Received: 02 February 2023
Date Published: 07 February 2023

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.85	7.52	7.37	7.31
Electrical conductivity (µS/cm)	228	236	249	235
Suspended Solids	23	19	<5	6
Sulphate	13	13	26	21
Chloride	31	34	32	31
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.068	0.011	0.070	0.093
Nickel (dissolved)	<0.001	<0.001	0.003	0.003
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.07	0.11	0.09	0.13

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 20 March 2023
Report Received: 29 March 2023
Date Published: 11 April 2023

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.17	7.41	7.37	7.34
Electrical conductivity (µS/cm)	224	224	304	362
Suspended Solids	5	6	<5	5
Sulphate	14	10	45	73
Chloride	30	32	36	37
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	0.003	<0.001
Manganese (dissolved)	0.070	0.018	0.085	0.173
Nickel (dissolved)	<0.001	0.004	0.003	0.002
Zinc (dissolved)	<0.005	0.008	0.007	<0.005
Iron (dissolved)	0.15	0.11	0.15	0.11

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 25 May 2023
Report Received: 1 June 2023
Date Published: 9 June 2023

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	6.90	6.85	6.79	6.83
Electrical conductivity (µS/cm)	241	214	285	274
Suspended Solids	<5	<5	<5	<5
Sulphate	16	12	36	34
Chloride	37	35	38	36
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.035	0.014	0.062	0.064
Nickel (dissolved)	<0.001	<0.001	0.005	0.004
Zinc (dissolved)	<0.005	<0.005	0.011	<0.005
Iron (dissolved)	0.26	0.41	0.41	0.41

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 27 July 2023
Report Received: 3 August 2023
Date Published: 11 August 2023

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	6.73	6.7	6.64	6.64
Electrical conductivity (µS/cm)	301	287	382	368
Suspended Solids	10	**<5**	**<5**	**<5**
Sulphate	18	16	64	60
Chloride	52	50	52	52
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.062	0.009	0.033	0.049
Nickel (dissolved)	<0.001	<0.001	0.004	0.003
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.13	0.18	0.17	0.16

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 21 September 2023
Report Received: 28 September 2023
Date Published: 08 October 2023

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.58	7.40	7.32	7.34
Electrical conductivity (µS/cm)	308	294	396	394
Suspended Solids	6	<5	<5	7
Sulphate	20	17	66	60
Chloride	41	41	54	55

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.062	0.034	0.090	0.080
Nickel (dissolved)	<0.001	<0.001	0.004	0.002
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.07	0.09	0.08	0.08

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 20 November 2023
Report Received: 29 November 2023
Date Published: 06 December 2023

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.60	7.58	7.20	7.42
Electrical conductivity (µS/cm)	303	288	398	1010
Suspended Solids	<5	<5	<5	<5
Sulphate	24	19	74	137
Chloride	46	46	49	240
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.002	0.002	<0.001	<0.001
Manganese (dissolved)	0.060	0.028	0.152	0.160
Nickel (dissolved)	<0.001	<0.001	0.004	0.003
Zinc (dissolved)	<0.005	<0.005	0.021	<0.005
Iron (dissolved)	<0.05	0.06	0.06	<0.05

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 29 January 2024
Report Received: 02 February 2024
Date Published: 13 February 2024

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.52	7.65	7.62	7.48
Electrical conductivity (µS/cm)	244	249	335	324
Suspended Solids	9	5	8	<5
Sulphate	9	9	36	30
Chloride	33	35	40	40
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.022	0.028	0.121	0.093
Nickel (dissolved)	<0.001	<0.001	0.004	0.003
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.31	0.24	0.17	0.15

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 18 March 2024
Report Received: 26 March 2024
Date Published: 10 April 2024

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.42	7.39	7.34	7.34
Electrical conductivity (µS/cm)	247	230	366	334
Suspended Solids	12	7	<5	6
Sulphate	11	10	63	44
Chloride	32	31	37	35
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	<0.001	<0.001	<0.001	<0.001
Manganese (dissolved)	0.036	0.014	0.197	0.222
Nickel (dissolved)	<0.001	<0.001	0.003	0.001
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.25	0.25	0.16	0.19

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 20 May 2024
Report Received: 29 May 2024
Date Published: 11 June 2024

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.03	6.92	6.90	6.91
Electrical conductivity (µS/cm)	206	179	198	198
Suspended Solids	19	9	6	8
Sulphate	10	7	13	16
Chloride	27	35	27	28
Cobalt	<0.001	0.001	<0.001	<0.001
Copper (dissolved)	0.004	0.008	0.003	0.003
Manganese (dissolved)	0.101	0.057	0.048	0.052
Nickel (dissolved)	0.002	0.004	0.004	0.004
Zinc (dissolved)	<0.005	0.090	<0.005	<0.005
Iron (dissolved)	0.56	12.9	0.70	0.73

Units measured in milligrams per litre unless otherwise specified.

Table 3 –Ambient Water Monitoring Data – Continued
Date Sampled: 29 July 2024
Report Received: 07 August 2024
Date Published: 07 August 2024

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
pH (pH Unit)	7.70	7.34	7.21	7.28
Electrical conductivity (µS/cm)	248	246	235	228
Suspended Solids	14	12	8	8
Sulphate	11	8	14	15

Parameter	Berrima (Licence Point 9)	Macarthur's Crossing (Licence Point 10)	Biloela (Licence Point 11)	Black Bobs Creek (Licence Point 12)
Chloride	36	36	34	33
Cobalt	<0.001	<0.001	<0.001	<0.001
Copper (dissolved)	0.002	0.002	0.001	0.001
Manganese (dissolved)	0.037	0.014	0.034	0.036
Nickel (dissolved)	<0.001	<0.001	0.003	0.003
Zinc (dissolved)	<0.005	<0.005	<0.005	<0.005
Iron (dissolved)	0.49	0.52	0.52	0.55

Units measured in milligrams per litre unless otherwise specified.

2. Water Volume

The volume of water discharged from the mine is recorded at the V Notch Weir and summarised as follows:

Table 4 - V Notch Weir Discharge Volume Data

Data obtained on	Data published on	Volume discharged (ML/d)
19-Dec-2016	6/02/17	2.22
20-Dec-2016		2.29
21-Dec-2016		2.07
22-Dec-2016		1.91
23-Dec-2016		1.98
24-Dec-2016		2.05
25-Dec-2016		1.92
26-Dec-2016		1.9
27-Dec-2016		1.86
28-Dec-2016		1.85
29-Dec-2016		1.84
30-Dec-2016		1.81
31-Dec-2016		1.8
1-Jan-2017		1.79
2-Jan-2017		1.92
3-Jan-2017		1.89
4-Jan-2017		1.98
5-Jan-2017		2.11
6-Jan-2017		2.12
7-Jan-2017		2.1
8-Jan-2017		2.11
9-Jan-2017		1.93
10-Jan-2017		1.88
11-Jan-2017		2.03
12-Jan-2017		1.92
13-Jan-2017		1.96
14-Jan-2017		1.95
15-Jan-2017		1.91
16-Jan-2017		2.02
17-Jan-2017		2.11
18-Jan-2017		2.15
19-Jan-2017		2.28
20-Jan-2017		2.65
21-Jan-2017		2.15
22-Jan-2017		2.14
23-Jan-2017		2.22
24-Jan-2017	6/2/17	2.31
25-Jan-2017		2.4
26-Jan-2017		2.62
27-Jan-2017		2.57
28-Jan-2017		2.55
29-Jan-2017		2.55
30-Jan-2017	8/3/17	2.49
31-Jan-2017		2.43
1-Feb-2017		2.43

Data obtained on	Data published on	Volume discharged (ML/d)
2-Feb-2017		2.5
3-Feb-2017		2.39
4-Feb-2017		2.36
5-Feb-2017		2.35
6-Feb-2017		2.39
7-Feb-2017		2.29
8-Feb-2017		2.33
9-Feb-2017		2.75
10-Feb-2017		2.5
11-Feb-2017		2.4
12-Feb-2017		2.52
13-Feb-2017		2.36
14-Feb-2017		2.26
15-Feb-2017		2.44
16-Feb-2017		2.48
17-Feb-2017		2.48
18-Feb-2017		2.52
19-Feb-2017		2.62
20-Feb-2017		2.43
21-Feb-2017		2.35
22-Feb-2017		2.52
23-Feb-2017		2.48
24-Feb-2017		2.55
25-Feb-2017		2.63
26-Feb-2017		2.64
27-Feb-2017	4/4/17	2.56
28-Feb-2017		2.63
1-Mar-2017		2.67
2-Mar-2017		2.74
3-Mar-2017		2.68
4-Mar-2017		2.73
5-Mar-2017		2.85
6-Mar-2017		2.71
7-Mar-2017	4/4/17	2.74
8-Mar-2017		2.83
9-Mar-2017		2.86
10-Mar-2017		2.88
11-Mar-2017		2.79
12-Mar-2017		2.72
13-Mar-2017		2.52
14-Mar-2017		2.38
15-Mar-2017		2.57
16-Mar-2017		2.9
17-Mar-2017		2.73
18-Mar-2017		2.69
19-Mar-2017		2.88
20-Mar-2017		2.78
21-Mar-2017		2.74
22-Mar-2017		2.69
23-Mar-2017		2.63

Data obtained on	Data published on	Volume discharged (ML/d)
24-Mar-2017		2.68
25-Mar-2017		2.87
26-Mar-2017		2.8
27-Mar-2017	5/6/17	2.74
28-Mar-2017		2.84
29-Mar-2017		2.43
30-Mar-2017		2.43
31-Mar-2017		2.26
1-Apr-2017		2.22
2-Apr-2017		2.06
3-Apr-2017		2.23
4-Apr-2017		2.4
5-Apr-2017		2.59
6-Apr-2017		2.6
7-Apr-2017		2.42
8-Apr-2017		2.6
9-Apr-2017		2.98
10-Apr-2017		2.91
11-Apr-2017		2.33
12-Apr-2017		2.22
13-Apr-2017		2.41
14-Apr-2017		2.65
15-Apr-2017		2.65
16-Apr-2017		2.67
17-Apr-2017		2.57
18-Apr-2017	5/6/17	2.48
19-Apr-2017		2.54
20-Apr-2017		2.56
21-Apr-2017		2.72
22-Apr-2017		2.62
23-Apr-2017		2.62
24-Apr-2017		2.65
25-Apr-2017		2.81
26-Apr-2017		2.93
27-Apr-2017		2.42
28-Apr-2017		2.26
29-Apr-2017		2.42
30-Apr-2017		2.34
1-May-2017		2.46
2-May-2017		2.48
3-May-2017		2.3
4-May-2017		2.34
5-May-2017		2.55
6-May-2017		2.62
7-May-2017		2.55
8-May-2017		2.51
9-May-2017		2.54
10-May-2017		2.56
11-May-2017		2.53
12-May-2017		2.35

Data obtained on	Data published on	Volume discharged (ML/d)
13-May-2017		2.35
14-May-2017		2.45
15-May-2017		2.52
16-May-2017		2.42
17-May-2017		2.34
18-May-2017		2.19
19-May-2017		2.22
20-May-2017		2.45
21-May-2017		2.44
22-May-2017		2.56
23-May-2017		2.47
24-May-2017		2.52
25-May-2017		2.41
26-May-2017		2.45
27-May-2017		2.49
28-May-2017		2.72
29-May-2017	8/8/17	2.36
30-May-2017	8/8/17	2.41
31-May-2017		2.4
1-Jun-2017		2.49
2-Jun-2017		2.66
3-Jun-2017		2.84
4-Jun-2017		2.69
5-Jun-2017		2.71
6-Jun-2017		2.64
7-Jun-2017		2.4
8-Jun-2017		2.16
9-Jun-2017		2.23
10-Jun-2017		2.28
11-Jun-2017		2.47
12-Jun-2017		2.5
13-Jun-2017		2.3
14-Jun-2017		2.39
15-Jun-2017		2.52
16-Jun-2017		2.5
17-Jun-2017		2.36
18-Jun-2017		2.27
19-Jun-2017		2.34
20-Jun-2017		2.46
21-Jun-2017		2.49
22-Jun-2017		2.39
23-Jun-2017		2.57
24-Jun-2017		2.44
25-Jun-2017		2.29
26-Jun-2017		2.11
27-Jun-2017		2.24
28-Jun-2017		2.38
29-Jun-2017		2.44
30-Jun-2017		2.32
1-Jul-2017		2.24

Data obtained on	Data published on	Volume discharged (ML/d)
2-Jul-2017		2.57
3-Jul-2017		2.71
4-Jul-2017	11/9/17	2.94
5-Jul-2017		2.37
6-Jul-2017		2.15
7-Jul-2017		2.47
8-Jul-2017		2.31
9-Jul-2017		2.14
10-Jul-2017		2.07
11-Jul-2017	11/9/17	2.04
12-Jul-2017		2.05
13-Jul-2017		2.68
14-Jul-2017		2.79
15-Jul-2017		2.44
16-Jul-2017		2.43
17-Jul-2017		2.51
18-Jul-2017		2.71
19-Jul-2017		2.58
20-Jul-2017		2.55
21-Jul-2017		2.24
22-Jul-2017		2.36
23-Jul-2017		2.56
24-Jul-2017		2.36
25-Jul-2017		2.22
26-Jul-2017		2.22
27-Jul-2017		2.28
28-Jul-2017		2.43
29-Jul-2017		2.29
30-Jul-2017		2.18
31-Jul-2017		2.04
1-Aug-2017		1.83
2-Aug-2017		1.98
3-Aug-2017	13/10/17	2.38
4-Aug-2017		2.53
5-Aug-2017		2.09
6-Aug-2017		1.94
7-Aug-2017		1.92
8-Aug-2017		1.75
9-Aug-2017		1.7
10-Aug-2017		1.95
11-Aug-2017		1.9
12-Aug-2017		1.78
13-Aug-2017		1.89
14-Aug-2017		2.01
15-Aug-2017		2.03
16-Aug-2017		2.1
17-Aug-2017		1.82
18-Aug-2017		1.87
19-Aug-2017		1.84
20-Aug-2017		1.98

Data obtained on	Data published on	Volume discharged (ML/d)
21-Aug-2017		2.15
22-Aug-2017	13/10/17	2.11
23-Aug-2017		2.09
24-Aug-2017		2.16
25-Aug-2017		2.06
26-Aug-2017		2.15
27-Aug-2017		2.48
28-Aug-2017		2.3
29-Aug-2017		2.12
30-Aug-2017		2.12
31-Aug-2017		2.11
1-Sep-2017		2.28
2-Sep-2017		2.25
3-Sep-2017		2.34
4-Sep-2017		2.37
5-Sep-2017		2.29
6-Sep-2017		2.18
7-Sep-2017		2.12
8-Sep-2017		2.3
9-Sep-2017		2.3
10-Sep-2017		2.37
11-Sep-2017	13/11/17	1.99
12-Sep-2017		1.64
13-Sep-2017		1.7
14-Sep-2017		1.65
15-Sep-2017		1.61
16-Sep-2017		1.82
17-Sep-2017		1.81
18-Sep-2017		1.88
19-Sep-2017		2.09
20-Sep-2017		1.98
21-Sep-2017		1.96
22-Sep-2017		1.88
23-Sep-2017		1.77
24-Sep-2017		1.77
25-Sep-2017		1.69
26-Sep-2017		1.63
27-Sep-2017		1.66
28-Sep-2017		2.01
29-Sep-2017		1.83
30-Sep-2017		2.03
1-Oct-2017		1.92
2-Oct-2017		2.08
3-Oct-2017	13/11/17	2.09
4-Oct-2017		2.23
5-Oct-2017		2.07
6-Oct-2017		2.21
7-Oct-2017		2.08
8-Oct-2017		2.23
9-Oct-2017		2.21

Data obtained on	Data published on	Volume discharged (ML/d)
10-Oct-2017		2.08
11-Oct-2017		2.08
12-Oct-2017		2.28
13-Oct-2017		2.17
14-Oct-2017		2.31
15-Oct-2017		2.34
16-Oct-2017		2.38
17-Oct-2017		2.52
18-Oct-2017		2.57
19-Oct-2017		2.51
20-Oct-2017		2.73
21-Oct-2017		2.7
22-Oct-2017		2.82
23-Oct-2017	6/12/17	2.7
24-Oct-2017		2.68
25-Oct-2017		2.73
26-Oct-2017		2.54
27-Oct-2017		2.47
28-Oct-2017		3.19
29-Oct-2017		2.54
30-Oct-2017		2.02
31-Oct-2017		2.12
1-Nov-2017		2.16
2-Nov-2017		2.26
3-Nov-2017		2.3
4-Nov-2017		2.29
5-Nov-2017		2.36
6-Nov-2017		2.41
7-Nov-2017		2.41
8-Nov-2017		2.2
9-Nov-2017		2.06
10-Nov-2017		1.93
11-Nov-2017		1.98
12-Nov-2017		2.35
13-Nov-2017		2.73
14-Nov-2017	6/12/17	2.93
15-Nov-2017		2.63
16-Nov-2017		2.42
17-Nov-2017		2.39
18-Nov-2017		2.7
19-Nov-2017		2.68
20-Nov-2017		2.73
21-Nov-2017		2.54
22-Nov-2017		2.47
23-Nov-2017		3.19
24-Nov-2017		2.54
25-Nov-2017		2.02
26-Nov-2017		2.12
27-Nov-2017	9/1/18	2.8
28-Nov-2017		3.03

Data obtained on	Data published on	Volume discharged (ML/d)
29-Nov-2017		2.84
30-Nov-2017		3.11
1-Dec-2017		2.86
2-Dec-2017		2.98
3-Dec-2017		2.81
4-Dec-2017		2.67
5-Dec-2017		2.9
6-Dec-2017		2.85
7-Dec-2017		2.55
8-Dec-2017		2.7
9-Dec-2017		2.59
10-Dec-2017		2.66
11-Dec-2017		2.78
12-Dec-2017		2.78
13-Dec-2017		2.74
14-Dec-2017		2.7
15-Dec-2017		2.49
16-Dec-2017		2.54
17-Dec-2017		2.65
18-Dec-2017		2.76
19-Dec-2017		2.61
20-Dec-2017	13/2/18	2.18
21-Dec-2017		1.97
22-Dec-2017		2.17
23-Dec-2017		2.31
24-Dec-2017		2.33
25-Dec-2017		2.3
26-Dec-2017	13/2/18	2.41
27-Dec-2017		2.53
28-Dec-2017		2.36
29-Dec-2017		2.34
30-Dec-2017		2.42
31-Dec-2017		2.22
1-Jan-2018		2.27
2-Jan-2018		2.18
3-Jan-2018		2.13
4-Jan-2018		2.13
5-Jan-2018		2.04
6-Jan-2018		2.12
7-Jan-2018		2.1
8-Jan-2018		2
9-Jan-2018		2.08
10-Jan-2018		2.22
11-Jan-2018		2.18
12-Jan-2018		2.26
13-Jan-2018		2.34
14-Jan-2018		2.44
15-Jan-2018		2.32
16-Jan-2018		2.24
17-Jan-2018		2.29

Data obtained on	Data published on	Volume discharged (ML/d)
18-Jan-2018		2.31
19-Jan-2018		2.18
20-Jan-2018		2.16
21-Jan-2018		2.16
22-Jan-2018		1.85
23-Jan-2018		1.53
24-Jan-2018		1.71
25-Jan-2018		1.87
26-Jan-2018		1.77
27-Jan-2018		1.85
28-Jan-2018		1.94
29-Jan-2018		2.12
30-Jan-2018		2.19
31-Jan-2018	13/3/18	3.92
1-Feb-2018		4.98
2-Feb-2018		5.05
3-Feb-2018		5.18
4-Feb-2018		5.21
5-Feb-2018		4.95
6-Feb-2018	13/3/18	3.89
7-Feb-2018		2.58
8-Feb-2018		2
9-Feb-2018		1.67
10-Feb-2018		1.83
11-Feb-2018		2.1
12-Feb-2018		2.36
13-Feb-2018		2.55
14-Feb-2018		2.59
15-Feb-2018		2.67
16-Feb-2018		2.77
17-Feb-2018		2.76
18-Feb-2018		2.74
19-Feb-2018		2.74
20-Feb-2018		2.76
21-Feb-2018		2.79
22-Feb-2018		2.91
23-Feb-2018		2.79
24-Feb-2018		2.7
25-Feb-2018		2.7
26-Feb-2018		2.48
27-Feb-2018		2.03
28-Feb-2018		1.94
1-Mar-2018	14/4/18	2.08
2-Mar-2018		2.15
3-Mar-2018		2.19
4-Mar-2018		2.11
5-Mar-2018		1.97
6-Mar-2018		2.1
7-Mar-2018		2.11
8-Mar-2018		2.36

Data obtained on	Data published on	Volume discharged (ML/d)
9-Mar-2018		2.29
10-Mar-2018		2.33
11-Mar-2018		2.3
12-Mar-2018		2.32
13-Mar-2018		2.16
14-Mar-2018		2.13
15-Mar-2018		2.07
16-Mar-2018		2.11
17-Mar-2018		2.04
18-Mar-2018		1.97
19-Mar-2018		2.17
20-Mar-2018	14/4/18	2.26
21-Mar-2018		2.35
22-Mar-2018		2.47
23-Mar-2018		2.45
24-Mar-2018		2.41
25-Mar-2018		2.45
26-Mar-2018		2.31
27-Mar-2018		2.34
28-Mar-2018		2.25
29-Mar-2018	11/5/18	2.41
30-Mar-2018		3.38
31-Mar-2018		3.03
1-Apr-2018		2.67
2-Apr-2018		2.48
3-Apr-2018		2.26
4-Apr-2018		2.08
5-Apr-2018		1.9
6-Apr-2018		1.64
7-Apr-2018		1.33
8-Apr-2018		1.12
9-Apr-2018		1.02
10-Apr-2018		0.75
11-Apr-2018		0.36
12-Apr-2018		0.43
13-Apr-2018		0.39
14-Apr-2018		1.01
15-Apr-2018		0.98
16-Apr-2018		0.6
17-Apr-2018		0.53
18-Apr-2018		0.68
19-Apr-2018		0.85
20-Apr-2018		1.49
21-Apr-2018		1.66
22-Apr-2018		1.69
23-Apr-2018		1.64
24-Apr-2018		1.68
25-Apr-2018		1.78
26-Apr-2018		1.75
27-Apr-2018		1.74

Data obtained on	Data published on	Volume discharged (ML/d)
28-Apr-2018		1.85
29-Apr-2018		1.95
30-Apr-2018		1.94
1-May-2018	12/6/18	2.01
2-May-2018		2.06
3-May-2018		2.35
4-May-2018		2.79
5-May-2018		2.01
6-May-2018		2.05
7-May-2018		2.72
8-May-2018		2.81
9-May-2018		3.16
10-May-2018		4.56
11-May-2018		4.94
12-May-2018		4.36
13-May-2018		3.23
14-May-2018		3.12
15-May-2018		3.52
16-May-2018		3.36
17-May-2018		3.67
18-May-2018		3.95
19-May-2018		4.21
20-May-2018		4.75
21-May-2018		4.86
22-May-2018		4.57
23-May-2018		4.26
24-May-2018		3.42
25-May-2018		2.6
26-May-2018		2.11
27-May-2018		2.11
28-May-2018		2.39
29-May-2018		2.56
30-May-2018		2.3
31-May-2018	10/7/18	2.31
1-Jun-2018		2.27
2-Jun-2018		2.25
3-Jun-2018		1.92
4-Jun-2018		1.82
5-Jun-2018		2.24
6-Jun-2018		2.26
7-Jun-2018		2.24
8-Jun-2018		2.22
9-Jun-2018		2.2
10-Jun-2018		2.08
11-Jun-2018		2.09
12-Jun-2018	10/7/18	2.16
13-Jun-2018		1.82
14-Jun-2018		1.72
15-Jun-2018		1.88
16-Jun-2018		2.07

Data obtained on	Data published on	Volume discharged (ML/d)
17-Jun-2018		2.08
18-Jun-2018		1.95
19-Jun-2018		1.77
20-Jun-2018		1.49
21-Jun-2018		1.82
22-Jun-2018		2.06
23-Jun-2018		2.33
24-Jun-2018		2.28
25-Jun-2018		2.2
26-Jun-2018		2.29
27-Jun-2018		2.17
28-Jun-2018	3/8/18	2.06
29-Jun-2018		2.03
30-Jun-2018		1.83
1-Jul-2018		1.74
2-Jul-2018		1.77
3-Jul-2018		1.69
4-Jul-2018		1.55
5-Jul-2018		1.51
6-Jul-2018		1.57
7-Jul-2018		1.66
8-Jul-2018		1.57
9-Jul-2018		1.7
10-Jul-2018		1.48
11-Jul-2018		1.07
12-Jul-2018		1.21
13-Jul-2018		1.7
14-Jul-2018		1.99
15-Jul-2018		1.97
16-Jul-2018		1.81
17-Jul-2018		1.63
18-Jul-2018		1.8
19-Jul-2018		1.87
20-Jul-2018		2
21-Jul-2018		1.82
23-Jul-2018		1.92
24-Jul-2018		2.17
25-Jul-2018	3/8/18	2.27
26-Jul-2018	7/9/18	2.77
27-Jul-2018		3.46
28-Jul-2018		3.3
29-Jul-2018		3.6
30-Jul-2018		3.13
31-Jul-2018		3.29
1-Aug-2018		3.15
2-Aug-2018		2.74
3-Aug-2018		3.32
4-Aug-2018		3.39
5-Aug-2018		3.57
6-Aug-2018		4.44

Data obtained on	Data published on	Volume discharged (ML/d)
7-Aug-2018		4.11
8-Aug-2018		5
9-Aug-2018		4.94
10-Aug-2018		6.3
11-Aug-2018		6.79
12-Aug-2018		6.01
13-Aug-2018		4.25
14-Aug-2018		3.38
15-Aug-2018		4.73
16-Aug-2018		3.81
17-Aug-2018		2.35
18-Aug-2018		2.61
19-Aug-2018		2.63
20-Aug-2018		2.48
21-Aug-2018		2.98
22-Aug-2018		3.79
23-Aug-2018		5.26
24-Aug-2018		5.29
25-Aug-2018		3.41
26-Aug-2018		1.53
27-Aug-2018		1.74
28-Aug-2018	4/10/18	4.88
29-Aug-2018		5.39
30-Aug-2018		5.16
31-Aug-2018		4.89
1-Sept-2018		4.83
2-Sept-2018		5.14
3-Sept-2018		4.33
4-Sept-2018		2.31
5-Sept-2018	4/10/18	1.64
6-Sept-2018		4.45
7-Sept-2018		4.66
8-Sept-2018		4.86
9-Sept-2018		4.8
10-Sept-2018		4.68
11-Sept-2018		4.16
12-Sept-2018		4.38
13-Sept-2018		4.78
14-Sept-2018		4.53
15-Sept-2018		4.5
16-Sept-2018		4.9
17-Sept-2018		4.68
18-Sept-2018		3.16
19-Sept-2018		4.27
20-Sept-2018		4.53
21-Sept-2018		4.62
22-Sept-2018		4.54
23-Sept-2018		4.7
24-Sept-2018		3.25
25-Sep-2018	9/11/18	4.13

Data obtained on	Data published on	Volume discharged (ML/d)
26-Sep-2018		4.44
27-Sep-2018		4.06
28-Sep-2018		3.88
29-Sep-2018		4.15
30-Sep-2018		4.2
1-Oct-2018		4.11
2-Oct-2018		4.05
3-Oct-2018		3.51
4-Oct-2018		4.04
5-Oct-2018		4.27
6-Oct-2018		4.36
7-Oct-2018		4.42
8-Oct-2018		4.1
9-Oct-2018		3.17
10-Oct-2018		2.25
11-Oct-2018		2.28
12-Oct-2018		2.29
13-Oct-2018		2.22
14-Oct-2018		2.19
15-Oct-2018		1.94
16-Oct-2018		0.58
17-Oct-2018	9/11/18	0.29
18-Oct-2018		0.19
19-Oct-2018		0.12
20-Oct-2018		0.08
21-Oct-2018		0.07
22-Oct-2018		0.08
23-Oct-2018		0.13
24-Oct-2018		0.11
25-Oct-2018		0.05
26-Oct-2018		0.06
27-Oct-2018		0.05
28-Oct-2018		0.06
29-Oct-2018		0.06
30-Oct-2018	13/12/2018	0.15
31-Oct-2018		0.35
1-Nov-2018		1.41
2-Nov-2018		3.64
3-Nov-2018		4.71
4-Nov-2018		4.24
5-Nov-2018		3.12
6-Nov-2018		2.29
7-Nov-2018		1.69
8-Nov-2018		0.36
9-Nov-2018		1.2
10-Nov-2018		1.38
11-Nov-2018		1.23
12-Nov-2018		0.37
13-Nov-2018		0.08
14-Nov-2018		0.34

Data obtained on	Data published on	Volume discharged (ML/d)
15-Nov-2018		0.42
16-Nov-2018		0.59
17-Nov-2018		0.63
18-Nov-2018		0.51
19-Nov-2018		0.61
20-Nov-2018		1.91
21-Nov-2018		3.25
22-Nov-2018		3.95
23-Nov-2018		4.45
24-Nov-2018		3.89
25-Nov-2018		2.9
26-Nov-2018		2.59
27-Nov-2018	11/02/2019	3.04
28-Nov-2018	11/02/2019	1.39
29-Nov-2018		3.18
30-Nov-2018		2.84
1-Dec-2018		2.03
2-Dec-2018		2
3-Dec-2018		2.19
4-Dec-2018		2.27
5-Dec-2018		2.43
6-Dec-2018		2.61
7-Dec-2018		2.59
8-Dec-2018		2.47
9-Dec-2018		2.58
10-Dec-2018		2.67
11-Dec-2018		2.74
12-Dec-2018		1.15
13-Dec-2018		0.54
14-Dec-2018		0.39
15-Dec-2018		0.3
16-Dec-2018		0.22
17-Dec-2018		0.21
18-Dec-2018		0.07
19-Dec-2018		0
20-Dec-2018		0
21-Dec-2018		0
22-Dec-2018		0
23-Dec-2018		0
24-Dec-2018		0
25-Dec-2018		0
26-Dec-2018		0
27-Dec-2018		8.48
28-Dec-2018		8.51
29-Dec-2018		7.29
30-Dec-2018		7.67
31-Dec-2018		5.65
1-Jan-2019		6.47
2-Jan-2019		3.38
3-Jan-2019		0.21

Data obtained on	Data published on	Volume discharged (ML/d)
4-Jan-2019		5.42
5-Jan-2019		5.28
6-Jan-2019		0.01
7-Jan-2019		0
8-Jan-2019		0
9-Jan-2019	11/02/2019	0
10-Jan-2019		0
11-Jan-2019		0
12-Jan-2019		0.88
13-Jan-2019		0.03
14-Jan-2019		0.04
15-Jan-2019		6.09
16-Jan-2019		2.63
17-Jan-2019		6.32
18-Jan-2019		6.21
19-Jan-2019		6.07
20-Jan-2019		5.85
21-Jan-2019		5.5
22-Jan-2019		5.01
23-Jan-2019		4.81
24-Jan-2019		4.52
25-Jan-2019		3.93
26-Jan-2019		3.66
27-Jan-2019		3.41
28-Jan-2019		3.17
29-Jan-2019		2.69
30-Jan-2019		2.48
31-Jan-2019	11/03/2019	2.42
1-Feb-2019		1.81
2-Feb-2019		1.79
3-Feb-2019		1.91
4-Feb-2019		2.03
5-Feb-2019		1.69
6-Feb-2019		0.57
7-Feb-2019		0.38
8-Feb-2019		1.37
9-Feb-2019		2.6
10-Feb-2019		1
11-Feb-2019		1.14
12-Feb-2019		3.16
13-Feb-2019		3.51
14-Feb-2019		1.42
15-Feb-2019		1.03
16-Feb-2019		1.79
17-Feb-2019		2.23
18-Feb-2019		2.46
19-Feb-2019		2.59
20-Feb-2019	11/03/2019	2.45
21-Feb-2019		2.1
22-Feb-2019		1.9

Data obtained on	Data published on	Volume discharged (ML/d)
23-Feb-2019		1.8
24-Feb-2019		1.49
25-Feb-2019		1.63
26-Feb-2019	12/04/2019	1.84
27-Feb-2019		1.89
28-Feb-2019		1.7
1-Mar-2019		1.68
2-Mar-2019		1.62
3-Mar-2019		1.65
4-Mar-2019		1.37
5-Mar-2019		1.29
6-Mar-2019		2.14
7-Mar-2019		1.79
8-Mar-2019		1.59
9-Mar-2019		1.62
10-Mar-2019		1.56
11-Mar-2019		1.58
12-Mar-2019		1.65
13-Mar-2019		1.61
14-Mar-2019		1.66
15-Mar-2019		1.64
16-Mar-2019		1.76
17-Mar-2019		1.66
18-Mar-2019		1.62
19-Mar-2019		1.69
20-Mar-2019		1.64
21-Mar-2019		1.61
22-Mar-2019		1.68
23-Mar-2019		1.63
24-Mar-2019		1.58
25-Mar-2019		1.57
26-Mar-2019	08/08/2019	1.79
27-Mar-2019		1.59
28-Mar-2019		1.62
29-Mar-2019		1.56
30-Mar-2019		1.58
31-Mar-2019		1.65
1-Apr-2019		1.61
2-Apr-2019		1.66
3-Apr-2019		1.64
4-Apr-2019		1.76
5-Apr-2019		1.66
6-Apr-2019		1.62
7-Apr-2019		1.69
8-Apr-2019		1.64
9-Apr-2019		1.61
10-Apr-2019		1.68
11-Apr-2019		1.63
12-Apr-2019		1.58
13-Apr-2019		1.57

Data obtained on	Data published on	Volume discharged (ML/d)
14-Apr-2019		1.79
15-Apr-2019		1.59
16-Apr-2019		1.62
17-Apr-2019		1.56
18-Apr-2019		1.58
19-Apr-2019		0.044
20-Apr-2019		0.044
21-Apr-2019		0.044
22-Apr-2019		0.044
23-Apr-2019		0.044
24-Apr-2019		0.044
25-Apr-2019		0.044
26-Apr-2019		0.044
27-Apr-2019		0.044
28-Apr-2019		0.044
29-Apr-2019		0.044
30-Apr-2019		0.044
1-May-2019		0.044
2-May-2019		0.044
3-May-2019		0.044
4-May-2019		0.044
5-May-2019		0.044
6-May-2019		0.044
7-May-2019		0.044
8-May-2019		0.044
9-May-2019		0.044
10-May-2019		0.044
11-May-2019		0.04
12-May-2019		0.04
13-May-2019		0.04
14-May-2019		0.04
15-May-2019		0.04
16-May-2019		0.04
17-May-2019		0.04
18-May-2019		0.04
19-May-2019		0.04
20-May-2019		0.04
21-May-2019		0.04
22-May-2019		0.04
23-May-2019		0.03
24-May-2019		0.03
25-May-2019		0.03
26-May-2019		0.03
27-May-2019		0.03
28-May-2019		0.03
29-May-2019		0.03
30-May-2019		0.03
31-May-2019		0.03
1-Jun-2019		0.03
2-Jun-2019		0.03

Data obtained on	Data published on	Volume discharged (ML/d)
3-Jun-2019		0.03
4-Jun-2019		0.03
5-Jun-2019		0.03
6-Jun-2019		0.03
7-Jun-2019		0.03
8-Jun-2019		0.03
9-Jun-2019		0.03
10-Jun-2019		0.03
11-Jun-2019		0.03
12-Jun-2019		0.03
13-Jun-2019		0.03
14-Jun-2019		0.03
15-Jun-2019		0.03
16-Jun-2019		0.03
17-Jun-2019		0.03
18-Jun-2019		0.03
19-Jun-2019		0.03
20-Jun-2019		0.03
21-Jun-2019		0.03
22-Jun-2019		0.03
23-Jun-2019		0.03
24-Jun-2019		0.03
25-Jun-2019		0.03
26-Jun-2019		0.03
27-Jun-2019		0.03
28-Jun-2019		0.03
29-Jun-2019		0.03
30-Jun-2019		0.03
1-Jul-2019		0.03
2-Jul-2019		0.03
3-Jul-2019		0.03
4-Jul-2019		0.03
5-Jul-2019		0.03
6-Jul-2019		0.03
7-Jul-2019		0.03
8-Jul-2019		0.03
9-Jul-2019		0.03
10-Jul-2019		0.03
11-Jul-2019		0.03
12-Jul-2019		0.03
13-Jul-2019		0.03
14-Jul-2019		0.03
15-Jul-2019		0.03
16-Jul-2019		0.03
17-Jul-2019		0.03
18-Jul-2019		0.03
19-Jul-2019		0.03
20-Jul-2019		0.03
21-Jul-2019		0.03
22-Jul-2019		0.03

Data obtained on	Data published on	Volume discharged (ML/d)
23-Jul-2019		0.03
24-Jul-2019		0.03
25-Jul-2019		0.03
26-Jul-2019		0.03
27-Jul-2019		0.03
28-Jul-2019		0.03
29-Jul-2019		0.126
30-Jul-2019		0.124
31-Jul-2019		0.124
1-Aug-2019		0.124
2-Aug-2019		0.124
3-Aug-2019		0.131
4-Aug-2019		0.131
5-Aug-2019		0.131
6-Aug-2019		0.131
7-Aug-2019		0.12
8-Aug-2019		0.12
9-Aug-2019		0.12
10-Aug-2019		0.12
11-Aug-2019		0.12
12-Aug-2019		0.12
13-Aug-2019		0.12
14-Aug-2019		0.12
15-Aug-2019		0.12
16-Aug-2019		0.12
17-Aug-2019		0.12
18-Aug-2019		0.12
19-Aug-2019		0.12
20-Aug-2019		0.12
21-Aug-2019		0.12
22-Aug-2019		0.12
23-Aug-2019		0.12
24-Aug-2019		0.12
25-Aug-2019		0.12
26-Aug-2019		0.12
27-Aug-2019		0.12
28-Aug-2019		0.12
29-Aug-2019		0.12
30-Aug-2019		0.12
31-Aug-2019		0.12
1-Sep-2019		0.13
2-Sep-2019		0.13
3-Sep-2019		0.13
4-Sep-2019		0.13
5-Sep-2019		0.13
6-Sep-2019		0.13
7-Sep-2019		0.13
8-Sep-2019		0.13
9-Sep-2019		0.13
10-Sep-2019		0.13

Data obtained on	Data published on	Volume discharged (ML/d)
11-Sep-2019		0.13
12-Sep-2019		0.13
13-Sep-2019		0.13
14-Sep-2019		0.13
15-Sep-2019		0.13
16-Sep-2019		0.13
17-Sep-2019		0.13
18-Sep-2019		0.13
19-Sep-2019		0.13
20-Sep-2019		0.13
21-Sep-2019		0.13
22-Sep-2019		0.13
23-Sep-2019		0.13
24-Sep-2019		0.13
25-Sep-2019		0.13
26-Sep-2019		0.13
27-Sep-2019		0.13
28-Sep-2019		0.13
29-Sep-2019		0.13
30-Sep-2019		0.14
1-Oct-2019		0.13
2-Oct-2019		0.13
3-Oct-2019		0.13
4-Oct-2019		0.13
5-Oct-2019		0.13
6-Oct-2019		0.13
7-Oct-2019		0.13
8-Oct-2019		0.13
9-Oct-2019		0.13
10-Oct-2019		0.13
11-Oct-2019		0.13
12-Oct-2019		0.13
13-Oct-2019		0.13
14-Oct-2019		0.13
15-Oct-2019		0.13
16-Oct-2019		0.13
17-Oct-2019		0.13
18-Oct-2019		0.13
19-Oct-2019		0.13
20-Oct-2019		0.13
21-Oct-2019		0.13
22-Oct-2019		0.13
23-Oct-2019		0.13
24-Oct-2019		0.138
25-Oct-2019		0.138
26-Oct-2019		0.138
27-Oct-2019		0.138
28-Oct-2019		0.138
29-Oct-2019		0.138
30-Oct-2019		0.138

Data obtained on	Data published on	Volume discharged (ML/d)
31-Oct-2019		0.138
1-Nov-2019		0.138
2-Nov-2019		0.138
3-Nov-2019		0.138
4-Nov-2019		0.138
5-Nov-2019		0.138
6-Nov-2019		0.138
7-Nov-2019		0.138
8-Nov-2019		0.138
9-Nov-2019		0.138
10-Nov-2019		0.138
11-Nov-2019		0.138
12-Nov-2019		0.138
13-Nov-2019		0.138
14-Nov-2019		0.138
15-Nov-2019		0.138
16-Nov-2019		0.138
17-Nov-2019		0.138
18-Nov-2019		0.141
19-Nov-2019		0.141
20-Nov-2019		0.141
21-Nov-2019		0.141
22-Nov-2019		0.141
23-Nov-2019		0.141
24-Nov-2019		0.141
25-Nov-2019		0.255
26-Nov-2019		0.255
27-Nov-2019		0.255
28-Nov-2019		0.255
29-Nov-2019		0.255
30-Nov-2019		0.255
1-Dec-2019		0.255
2-Dec-2019		0.255
3-Dec-2019		0.255
4-Dec-2019		0.255
5-Dec-2019		1.530
6-Dec-2019		1.530
7-Dec-2019		1.530
8-Dec-2019		1.530
9-Dec-2019		1.530
10-Dec-2019		1.530
11-Dec-2019	13/01/2020	1.530
12-Dec-2019		1.878
13-Dec-2019		1.878
14-Dec-2019		1.878
15-Dec-2019		1.878
16-Dec-2019		0.539
17-Dec-2019		0.539
18-Dec-2019		0.539
19-Dec-2019		0.539

Data obtained on	Data published on	Volume discharged (ML/d)
20-Dec-2019		0.294
21-Dec-2019		0.294
22-Dec-2019		0.294
23-Dec-2019		0.294
24-Dec-2019		0.294
25-Dec-2019		0.294
26-Dec-2019		0.294
27-Dec-2019		0.220
28-Dec-2019		0.220
29-Dec-2019		0.220
30-Dec-2019		0.220
31-Dec-2019		0.220
1-Jan-2020		0.220
2-Jan-2020		0.220
3-Jan-2020		0.220
4-Jan-2020		0.220
5-Jan-2020		0.220
6-Jan-2020		0.294
7-Jan-2020		0.294
8-Jan-2020		0.294
9-Jan-2020		0.294
10-Jan-2020		0.294
11-Jan-2020		0.294
12-Jan-2020		0.294
13-Jan-2020		0.294
14-Jan-2020		0.220
15-Jan-2020		0.462
16-Jan-2020		0.462
17-Jan-2020		0.462
18-Jan-2020		0.462
19-Jan-2020		0.462
20-Jan-2020		0.677
21-Jan-2020		0.677
22-Jan-2020		0.677
23-Jan-2020		0.677
24-Jan-2020		0.677
25-Jan-2020		0.677
26-Jan-2020		0.677
27-Jan-2020		0.381
28-Jan-2020		0.381
29-Jan-2020		0.294
30-Jan-2020		0.294
31-Jan-2020		0.294
1-Feb-2020		0.294
2-Feb-2020		0.294
3-Feb-2020		0.294
4-Feb-2020		0.294
5-Feb-2020	11/02/2020	0.294
6-Feb-2020		2.360
7-Feb-2020		2.360

Data obtained on	Data published on	Volume discharged (ML/d)
8-Feb-2020		2.360
9-Feb-2020		2.360
10-Feb-2020		2.360
11-Feb-2020		2.360
12-Feb-2020		2.360
13-Feb-2020		2.360
14-Feb-2020		2.360
15-Feb-2020		2.360
16-Feb-2020		2.360
17-Feb-2020		2.360
18-Feb-2020		2.360
19-Feb-2020		2.360
20-Feb-2020		2.360
21-Feb-2020		2.360
22-Feb-2020		2.360
23-Feb-2020		2.360
24-Feb-2020		2.360
25-Feb-2020		2.360
26-Feb-2020		2.360
27-Feb-2020		2.360
28-Feb-2020		2.360
29-Feb-2020		2.360
1-Mar-2020		2.360
2-Mar-2020		2.360
3-Mar-2020		2.360
4-Mar-2020		2.360
5-Mar-2020		2.360
6-Mar-2020		2.360
7-Mar-2020		2.360
8-Mar-2020		2.360
9-Mar-2020		2.360
10-Mar-2020		2.360
11-Mar-2020		2.360
12-Mar-2020	12/03/2020	2.360
13-Mar-2020		0.294
14-Mar-2020		0.294
15-Mar-2020		0.294
16-Mar-2020		0.294
17-Mar-2020		0.294
18-Mar-2020		0.294
19-Mar-2020		0.294
20-Mar-2020		0.294
21-Mar-2020		0.294
22-Mar-2020		0.294
23-Mar-2020		0.294
24-Mar-2020		0.294
25-Mar-2020		0.294
26-Mar-2020		0.294
27-Mar-2020		0.294
28-Mar-2020		0.294

Data obtained on	Data published on	Volume discharged (ML/d)
29-Mar-2020		0.294
30-Mar-2020		0.294
31-Mar-2020		0.294
1-Apr-2020		0.294
2-Apr-2020		0.294
3-Apr-2020		0.294
4-Apr-2020		0.294
5-Apr-2020		0.294
6-Apr-2020	08/04/2020	0.294
7-Apr-2020		0.293
8-Apr-2020		0.293
9-Apr-2020		0.293
10-Apr-2020		0.293
11-Apr-2020		0.293
12-Apr-2020		0.293
13-Apr-2020		0.293
14-Apr-2020		0.293
15-Apr-2020		0.293
16-Apr-2020		0.293
17-Apr-2020		0.293
18-Apr-2020		0.293
19-Apr-2020		0.293
20-Apr-2020		0.293
21-Apr-2020		0.293
22-Apr-2020		0.293
23-Apr-2020		0.293
24-Apr-2020		0.293
25-Apr-2020		0.293
26-Apr-2020		0.293
27-Apr-2020		0.293
28-Apr-2020		0.001
29-Apr-2020		0.001
30-Apr-2020		0.001
1-May-2020		0.001
2-May-2020		0.001
3-May-2020		0.001
4-May-2020		0.001
5-May-2020		0.001
6-May-2020		0.001
7-May-2020		0.001
8-May-2020		0.001
9-May-2020		0.001
10-May-2020		0.001
11-May-2020	12/05/2020	0.001
12-May-2020		0.001
13-May-2020		0.001
14-May-2020		0.001
15-May-2020		0.001
16-May-2020		0.001
17-May-2020		0.003

Data obtained on	Data published on	Volume discharged (ML/d)
18-May-2020		0.003
19-May-2020		0.003
20-May-2020		0.003
21-May-2020		0.003
22-May-2020		0.003
23-May-2020		0.003
24-May-2020		0.003
25-May-2020		0.003
26-May-2020		0.003
27-May-2020		0.003
28-May-2020		0.003
29-May-2020		0.003
30-May-2020		0.003
31-May-2020		0.003
1-Jun-2020	04/06/2020	0.003
2-Jun-2020		0.003
3-Jun-2020		0.003
4-Jun-2020		0.003
5-Jun-2020		0.003
6-Jun-2020		0.003
7-Jun-2020		0.003
8-Jun-2020		0.003
9-Jun-2020		0.003
10-Jun-2020		0.003
11-Jun-2020		0.001
12-Jun-2020		0.001
13-Jun-2020		0.001
14-Jun-2020		0.001
15-Jun-2020		0.002
16-Jun-2020		0.002
17-Jun-2020		0.002
18-Jun-2020		1.900
19-Jun-2020		1.900
20-Jun-2020		1.900
21-Jun-2020		1.900
22-Jun-2020		1.900
23-Jun-2020		1.900
24-Jun-2020		1.900
25-Jun-2020		1.900
26-Jun-2020		1.900
27-Jun-2020		1.900
28-Jun-2020		1.900
29-Jun-2020		2.360
30-Jun-2020		2.360
1-Jul-2020	1/07/2020	2.360
2-Jul-2020		2.360
3-Jul-2020		2.360
4-Jul-2020		2.360
5-Jul-2020		2.360
6-Jul-2020		1.900

Data obtained on	Data published on	Volume discharged (ML/d)
7-Jul-2020		1.900
8-Jul-2020		1.900
9-Jul-2020		1.900
10-Jul-2020		1.900
11-Jul-2020		1.900
12-Jul-2020		1.900
13-Jul-2020		1.490
14-Jul-2020		1.490
15-Jul-2020		1.490
16-Jul-2020		1.490
17-Jul-2020		1.490
18-Jul-2020		1.490
19-Jul-2020		1.490
20-Jul-2020		1.490
21-Jul-2020		1.490
22-Jul-2020		1.490
23-Jul-2020		1.490
24-Jul-2020		1.490
25-Jul-2020		1.490
26-Jul-2020		1.490
27-Jul-2020		1.900
28-Jul-2020		1.900
29-Jul-2020		1.900
30-Jul-2020		1.900
31-Jul-2020		1.900
1-Aug-2020		1.900
2-Aug-2020		1.900
3-Aug-2020	11/08/2020	1.900
4-Aug-2020		1.490
5-Aug-2020		1.490
6-Aug-2020		1.490
7-Aug-2020		1.490
8-Aug-2020		1.490
9-Aug-2020		1.490
10-Aug-2020		1.490
11-Aug-2020		1.490
12-Aug-2020		1.490
13-Aug-2020		1.490
14-Aug-2020		1.490
15-Aug-2020		1.490
16-Aug-2020		1.490
17-Aug-2020		1.490
18-Aug-2020		1.490
19-Aug-2020		1.490
20-Aug-2020		1.490
21-Aug-2020		1.490
22-Aug-2020		1.490
23-Aug-2020		1.490
24-Aug-2020		1.490
25-Aug-2020		1.490

Data obtained on	Data published on	Volume discharged (ML/d)
26-Aug-2020		1.490
27-Aug-2020		1.490
28-Aug-2020		1.490
29-Aug-2020		1.490
30-Aug-2020		1.490
31-Aug-2020		1.490
1-Sep-2020		1.490
2-Sep-2020		1.490
3-Sep-2020		1.490
4-Sep-2020		1.490
5-Sep-2020		1.490
6-Sep-2020		1.490
7-Sep-2020		1.490
8-Sep-2020		1.490
9-Sep-2020		1.490
10-Sep-2020	11/09/2020	1.490
11-Sep-2020		1.490
12-Sep-2020		1.490
13-Sep-2020		1.490
14-Sep-2020		1.490
15-Sep-2020		1.490
16-Sep-2020		1.490
17-Sep-2020		1.490
18-Sep-2020		1.490
19-Sep-2020		1.490
20-Sep-2020		1.490
21-Sep-2020		1.490
22-Sep-2020		1.490
23-Sep-2020		1.490
24-Sep-2020		1.490
25-Sep-2020		1.490
26-Sep-2020		1.490
27-Sep-2020		1.490
28-Sep-2020		1.9
29-Sep-2020		1.9
30-Sep-2020		1.9
1-Oct-2020		1.9
2-Oct-2020	01/10/2020	1.13
3-Oct-2020		1.13
4-Oct-2020		1.13
5-Oct-2020		1.49
6-Oct-2020		1.49
7-Oct-2020		1.49
8-Oct-2020		1.49
9-Oct-2020		1.49
10-Oct-2020		1.49
11-Oct-2020		1.49
12-Oct-2020		1.90
13-Oct-2020		1.90
14-Oct-2020		1.90

Data obtained on	Data published on	Volume discharged (ML/d)
15-Oct-2020		1.90
16-Oct-2020		1.90
17-Oct-2020		1.90
18-Oct-2020		1.90
19-Oct-2020		1.49
20-Oct-2020		1.49
21-Oct-2020		1.90
22-Oct-2020		1.90
23-Oct-2020		1.90
24-Oct-2020		1.90
25-Oct-2020		1.90
26-Oct-2020		2.36
27-Oct-2020		2.36
28-Oct-2020		2.36
29-Oct-2020		1.90
30-Oct-2020		1.90
31-Oct-2020		1.90
1-Nov-2020		1.90
2-Nov-2020	09/11/2020	1.90
3-Nov-2020		1.90
4-Nov-2020		1.90
5-Nov-2020		1.90
6-Nov-2020		1.90
7-Nov-2020		1.90
8-Nov-2020		1.90
9-Nov-2020		1.90
10-Nov-2020	10/12/20	1.90
11-Nov-2020		1.90
12-Nov-2020		1.90
13-Nov-2020		1.90
14-Nov-2020		0.16
15-Nov-2020		0.16
16-Nov-2020		0.16
17-Nov-2020		1.90
18-Nov-2020		1.90
19-Nov-2020		1.90
20-Nov-2020		1.90
21-Nov-2020		1.90
22-Nov-2020		1.90
23-Nov-2020		1.90
24-Nov-2020		1.90
25-Nov-2020		1.90
26-Nov-2020		1.90
27-Nov-2020		1.90
28-Nov-2020		1.90
29-Nov-2020		1.90
30-Nov-2020		1.90
1-Dec-2020		1.90
2-Dec-2020		1.90
3-Dec-2020		1.90

Data obtained on	Data published on	Volume discharged (ML/d)
4-Dec-2020		1.90
5-Dec-2020		1.90
6-Dec-2020		1.90
7-Dec-2020	10/12/2020	1.90
8-Dec-2020		1.90
9-Dec-2020		1.90
10-Dec-2020		1.90
11-Dec-2020		1.90
12-Dec-2020		1.90
13-Dec-2020		1.90
14-Dec-2020		1.90
15-Dec-2020		1.90
16-Dec-2020		1.90
17-Dec-2020		1.90
18-Dec-2020		1.90
19-Dec-2020		1.90
20-Dec-2020		1.90
21-Dec-2020		1.24
22-Dec-2020	13/01/21	1.24
23-Dec-2020		1.24
24-Dec-2020		1.24
25-Dec-2020		1.24
26-Dec-2020		1.24
27-Dec-2020		1.24
28-Dec-2020		1.24
29-Dec-2020		1.24
30-Dec-2020		1.24
31-Dec-2020		1.31
1-Jan-2021		1.31
2-Jan-2021		1.31
3-Jan-2021		1.31
4-Jan-2021		1.31
5-Jan-2021		1.31
6-Jan-2021		1.31
7-Jan-2021		1.49
8-Jan-2021		1.49
9-Jan-2021		1.49
10-Jan-2021		1.49
11-Jan-2021	13/01/2021	1.49
12-Jan-2021		1.49
13-Jan-2021		1.49
14-Jan-2021		1.49
15-Jan-2021		1.49
16-Jan-2021		1.49
17-Jan-2021		1.49
18-Jan-2021		1.49
19-Jan-2021		1.49
20-Jan-2021		1.49
21-Jan-2021		1.49
22-Jan-2021		1.49

Data obtained on	Data published on	Volume discharged (ML/d)
23-Jan-2021		1.49
24-Jan-2021		1.49
25-Jan-2021		1.49
26-Jan-2021		1.49
27-Jan-2021		1.49
28-Jan-2021		1.49
29-Jan-2021		1.49
30-Jan-2021		1.49
31-Jan-2021		1.49
1-Feb-2021		1.49
2-Feb-2021	10/02/21	1.49
3-Feb-2021		1.49
4-Feb-2021		1.49
5-Feb-2021		1.49
6-Feb-2021		1.49
7-Feb-2021		1.49
8-Feb-2021		1.49
9-Feb-2021		1.49
10-Feb-2021	10/02/21	1.49
11-Feb-2021		1.310
12-Feb-2021		1.310
13-Feb-2021		1.310
14-Feb-2021		1.310
15-Feb-2021		1.310
16-Feb-2021		1.310
17-Feb-2021		1.310
18-Feb-2021		1.310
19-Feb-2021		1.310
20-Feb-2021		1.310
21-Feb-2021		1.310
22-Feb-2021		1.490
23-Feb-2021		1.490
24-Feb-2021		1.490
25-Feb-2021		1.490
26-Feb-2021		1.490
27-Feb-2021		1.490
28-Feb-2021		1.490
1-Mar-2021		1.490
2-Mar-2021		1.490
3-Mar-2021		1.490
4-Mar-2021		0.155
5-Mar-2021		0.155
6-Mar-2021		0.155
7-Mar-2021		0.155
8-Mar-2021		0.155
9-Mar-2021		0.155
10-Mar-2021	11/03/21	0.155
11-Mar-2021		0.155
12-Mar-2021		0.155
13-Mar-2021		0.155

Data obtained on	Data published on	Volume discharged (ML/d)
14-Mar-2021		0.155
15-Mar-2021		1.130
16-Mar-2021	12/04/21	1.130
17-Mar-2021		1.130
18-Mar-2021		1.130
19-Mar-2021		1.130
20-Mar-2021		1.130
21-Mar-2021		1.130
22-Mar-2021		1.130
23-Mar-2021		0.813
24-Mar-2021		0.813
25-Mar-2021		0.813
26-Mar-2021		1.310
27-Mar-2021		1.310
28-Mar-2021		1.310
29-Mar-2021		1.310
30-Mar-2021		1.130
31-Mar-2021		1.130
1-Apr-2021		1.130
2-Apr-2021		1.130
3-Apr-2021		1.130
4-Apr-2021		1.130
5-Apr-2021		1.130
6-Apr-2021		1.130
7-Apr-2021		1.130
8-Apr-2021		1.130
9-Apr-2021	12/04/21	1.130
10-Apr-2021		1.140
11-Apr-2021		1.140
12-Apr-2021		1.140
13-Apr-2021		1.140
14-Apr-2021		1.140
15-Apr-2021		1.140
16-Apr-2021		1.140
17-Apr-2021		1.140
18-Apr-2021		1.140
19-Apr-2021		1.140
20-Apr-2021		1.140
21-Apr-2021		1.140
22-Apr-2021		1.140
23-Apr-2021		1.140
24-Apr-2021		1.140
25-Apr-2021		1.140
26-Apr-2021		1.140
27-Apr-2021	12/05/21	1.140
28-Apr-2021		1.140
29-Apr-2021		1.140
30-Apr-2021		1.140
1-May-2021		1.140
2-May-2021		1.140

Data obtained on	Data published on	Volume discharged (ML/d)
3-May-2021		1.140
4-May-2021		1.140
5-May-2021		1.140
6-May-2021		1.140
7-May-2021		1.140
8-May-2021		1.140
9-May-2021		1.140
10-May-2021	12/05/21	1.140
11-May-2021		1.179
12-May-2021		1.179
13-May-2021		1.179
14-May-2021		1.179
15-May-2021		1.179
16-May-2021		1.317
17-May-2021		1.317
18-May-2021		1.317
19-May-2021		1.317
20-May-2021		1.317
21-May-2021		1.317
22-May-2021		1.317
23-May-2021		1.412
24-May-2021		1.412
25-May-2021		1.412
26-May-2021		1.412
27-May-2021		1.412
28-May-2021		1.412
29-May-2021		1.412
30-May-2021		1.495
31-May-2021		1.495
1-Jun-2021		1.495
2-Jun-2021		1.495
3-Jun-2021		1.495
4-Jun-2021		1.495
5-Jun-2021		1.495
6-Jun-2021		1.517
7-Jun-2021		1.517
8-Jun-2021	11/06/21	1.517
9-Jun-2021		1.517
10-Jun-2021		1.527
11-Jun-2021		1.527
12-Jun-2021		1.527
13-Jun-2021		1.527
14-Jun-2021		1.527
15-Jun-2021		1.527
16-Jun-2021		1.527
17-Jun-2021		1.527
18-Jun-2021		1.527
19-Jun-2021		1.527
20-Jun-2021		1.527
21-Jun-2021		1.527

Data obtained on	Data published on	Volume discharged (ML/d)
22-Jun-2021		1.527
23-Jun-2021		1.527
24-Jun-2021		1.527
25-Jun-2021		1.527
26-Jun-2021		1.527
27-Jun-2021		1.527
28-Jun-2021		1.527
29-Jun-2021		1.54
30-Jun-2021		1.54
1-Jul-2021		1.54
2-Jul-2021		1.54
3-Jul-2021		1.54
4-Jul-2021		1.54
5-Jul-2021		1.54
6-Jul-2021		1.49
7-Jul-2021		1.49
8-Jul-2021		1.49
9-Jul-2021		1.49
10-Jul-2021		1.49
11-Jul-2021		1.49
12-Jul-2021	13/07/21	1.49
13-Jul-2021		1.49
14-Jul-2021		1.49
15-Jul-2021		1.5
16-Jul-2021		1.5
17-Jul-2021		1.5
18-Jul-2021		1.5
19-Jul-2021		1.5
20-Jul-2021	10/08/2021	1.46
21-Jul-2021		1.46
22-Jul-2021		1.46
23-Jul-2021		1.53
24-Jul-2021		1.53
25-Jul-2021		1.53
26-Jul-2021		1.47
27-Jul-2021		1.47
28-Jul-2021		1.47
29-Jul-2021		1.49
30-Jul-2021		1.49
31-Jul-2021		1.49
1-Aug-2021		1.49
2-Aug-2021		1.51
3-Aug-2021		1.51
4-Aug-2021		1.51
5-Aug-2021		1.51
6-Aug-2021		1.51
7-Aug-2021		1.51
8-Aug-2021	10/08/2021	1.51
9-Aug-2021		1.51
10-Aug-2021		1.51

Data obtained on	Data published on	Volume discharged (ML/d)
11-Aug-2021		1.51
12-Aug-2021		1.45
13-Aug-2021		1.45
14-Aug-2021		1.45
15-Aug-2021		1.45
16-Aug-2021		1.36
17-Aug-2021		1.36
18-Aug-2021		1.36
19-Aug-2021		0.87
20-Aug-2021		0.87
21-Aug-2021		0.87
22-Aug-2021		0.87
23-Aug-2021		1.42
24-Aug-2021		1.42
25-Aug-2021		1.42
26-Aug-2021		1.58
27-Aug-2021		1.58
28-Aug-2021		1.58
29-Aug-2021		1.58
30-Aug-2021		1.49
31-Aug-2021	14/09/2021	1.49
1-Sep-2021		1.49
2-Sep-2021		1.43
3-Sep-2021		1.43
4-Sep-2021		1.43
5-Sep-2021		1.43
6-Sep-2021		0.92
7-Sep-2021		0.92
8-Sep-2021		0.92
9-Sep-2021		1.08
10-Sep-2021		1.08
11-Sep-2021		1.08
12-Sep-2021		1.08
13-Sep-2021		1.21
14-Sep-2021	14/09/2021	1.20
15-Sep-2021		1.20
16-Sep-2021		1.20
17-Sep-2021		0.96
18-Sep-2021		0.96
19-Sep-2021		0.96
20-Sep-2021		0.96
21-Sep-2021		1.51
22-Sep-2021		1.51
23-Sep-2021		1.51
24-Sep-2021		1.15
25-Sep-2021		1.15
26-Sep-2021		1.15
27-Sep-2021		1.15
28-Sep-2021		1.62
29-Sep-2021		1.62

Data obtained on	Data published on	Volume discharged (ML/d)
30-Sep-2021		1.62
1-Oct-2021		1.17
2-Oct-2021		1.17
3-Oct-2021		1.17
4-Oct-2021		1.17
5-Oct-2021		1.62
6-Oct-2021		1.62
7-Oct-2021		1.62
8-Oct-2021		1.21
9-Oct-2021		1.21
10-Oct-2021		1.21
11-Oct-2021		1.21
12-Oct-2021	14/10/2021	1.58
13-Oct-2021		1.58
14-Oct-2021		1.58
15-Oct-2021		1.49
16-Oct-2021		1.49
17-Oct-2021		1.49
18-Oct-2021		1.49
19-Oct-2021		1.68
20-Oct-2021		1.68
21-Oct-2021		1.68
22-Oct-2021		0.95
23-Oct-2021		0.95
24-Oct-2021		0.95
25-Oct-2021		0.95
26-Oct-2021		1.88
27-Oct-2021		1.88
28-Oct-2021		1.88
29-Oct-2021		1.48
30-Oct-2021		1.48
31-Oct-2021		1.48
1-Nov-2021		1.48
2-Nov-2021		1.77
3-Nov-2021		1.77
4-Nov-2021		1.77
5-Nov-2021		1.77
6-Nov-2021		1.77
7-Nov-2021		1.77
8-Nov-2021		1.77
9-Nov-2021		1.34
10-Nov-2021		1.34
11-Nov-2021	12/11/21	1.34
12-Nov-2021		1.84
13-Nov-2021		1.84
14-Nov-2021		1.84
15-Nov-2021		1.84
16-Nov-2021		1.74
17-Nov-2021		1.74
18-Nov-2021		1.74

Data obtained on	Data published on	Volume discharged (ML/d)
19-Nov-2021		1.94
20-Nov-2021		1.94
21-Nov-2021		1.94
22-Nov-2021		1.94
23-Nov-2021	06/12/21	1.96
24-Nov-2021		1.96
25-Nov-2021		1.96
26-Nov-2021		1.94
27-Nov-2021		1.94
28-Nov-2021		1.94
29-Nov-2021		1.94
30-Nov-2021		1.95
1-Dec-2021		1.95
2-Dec-2021	06/12/21	1.95
3-Dec-2021		1.90
4-Dec-2021		1.90
5-Dec-2021		1.90
6-Dec-2021		1.97
7-Dec-2021		1.97
8-Dec-2021		1.97
9-Dec-2021		1.81
10-Dec-2021		1.81
11-Dec-2021		1.81
12-Dec-2021		1.81
13-Dec-2021		1.76
14-Dec-2021		1.76
15-Dec-2021		1.76
16-Dec-2021		1.97
17-Dec-2021		1.97
18-Dec-2021		1.97
19-Dec-2021		1.97
20-Dec-2021		1.99
21-Dec-2021		1.99
22-Dec-2021		1.99
23-Dec-2021		2.03
24-Dec-2021		2.03
25-Dec-2021		2.03
26-Dec-2021		1.90
27-Dec-2021		1.90
28-Dec-2021		1.90
29-Dec-2021		1.90
30-Dec-2021		1.90
31-Dec-2021		1.90
1-Jan-2022		1.90
2-Jan-2022		1.90
3-Jan-2022		1.90
4-Jan-2022	12/01/22	1.90
5-Jan-2022		1.90
6-Jan-2022		1.90
7-Jan-2022		1.90

Data obtained on	Data published on	Volume discharged (ML/d)
8-Jan-2022		1.90
9-Jan-2022		1.90
10-Jan-2022	12/01/22	1.90
11-Jan-2022		1.90
12-Jan-2022		1.90
13-Jan-2022		1.90
14-Jan-2022		1.90
15-Jan-2022		1.90
16-Jan-2022		1.90
17-Jan-2022		1.90
18-Jan-2022		1.90
19-Jan-2022		1.90
20-Jan-2022		1.90
21-Jan-2022		1.90
22-Jan-2022		1.90
23-Jan-2022		1.90
24-Jan-2022		1.90
25-Jan-2022		1.90
26-Jan-2022		1.90
27-Jan-2022		1.90
28-Jan-2022		1.90
29-Jan-2022		1.90
30-Jan-2022		1.90
31-Jan-2022		1.90
1-Feb-2022		1.90
2-Feb-2022		1.90
3-Feb-2022		1.90
4-Feb-2022		1.90
5-Feb-2022		1.90
6-Feb-2022		1.90
7-Feb-2022		1.90
8-Feb-2022		1.90
9-Feb-2022		1.90
10-Feb-2022	10/02/2022	1.90
11-Feb-2022		1.90
12-Feb-2022		1.90
13-Feb-2022		1.90
14-Feb-2022		1.90
15-Feb-2022	13/04/2022	1.90
16-Feb-2022		1.96
17-Feb-2022		1.96
18-Feb-2022		1.96
19-Feb-2022		1.96
20-Feb-2022		1.96
21-Feb-2022		2.91
22-Feb-2022		2.91
23-Feb-2022		2.91
24-Feb-2022		2.91
25-Feb-2022		2.91
26-Feb-2022		2.91

Data obtained on	Data published on	Volume discharged (ML/d)
27-Feb-2022		2.91
28-Feb-2022		0.15
1-Mar-2022		0.15
2-Mar-2022		0.15
3-Mar-2022		0.15
4-Mar-2022		0.15
5-Mar-2022		0.15
6-Mar-2022		0.15
7-Mar-2022		0.15
8-Mar-2022		0.15
9-Mar-2022		0.15
10-Mar-2022		0.15
11-Mar-2022		0.15
12-Mar-2022		0.15
13-Mar-2022		0.15
14-Mar-2022		2.20
15-Mar-2022		2.20
16-Mar-2022		2.20
17-Mar-2022		2.25
18-Mar-2022		2.25
19-Mar-2022		2.25
20-Mar-2022		2.25
21-Mar-2022		2.25
22-Mar-2022		2.25
23-Mar-2022		2.25
24-Mar-2022		2.25
25-Mar-2022		2.25
26-Mar-2022		2.25
27-Mar-2022		2.25
28-Mar-2022		2.06
29-Mar-2022	13/04/2022	2.06
30-Mar-2022		2.06
31-Mar-2022	13/04/2022	1.96
1-Apr-2022		1.96
2-Apr-2022		1.96
3-Apr-2022		1.96
4-Apr-2022		1.90
5-Apr-2022		1.90
6-Apr-2022		1.90
7-Apr-2022		1.96
8-Apr-2022		1.96
9-Apr-2022		1.96
10-Apr-2022		1.96
11-Apr-2022		2.10
12-Apr-2022		2.10
13-Apr-2022		2.10
14-Apr-2022		2.25
15-Apr-2022		2.25
16-Apr-2022		2.25
17-Apr-2022		2.25

Data obtained on	Data published on	Volume discharged (ML/d)
18-Apr-2022		2.25
19-Apr-2022		2.25
20-Apr-2022		2.25
21-Apr-2022		2.25
22-Apr-2022		2.25
23-Apr-2022		2.25
24-Apr-2022		2.25
25-Apr-2022		2.16
26-Apr-2022		2.16
27-Apr-2022		2.16
28-Apr-2022		1.96
29-Apr-2022		1.96
30-Apr-2022		1.96
1-May-2022		1.96
2-May-2022		1.96
3-May-2022		1.96
4-May-2022		1.96
5-May-2022		1.96
6-May-2022		1.96
7-May-2022		1.96
8-May-2022		1.96
9-May-2022	10/05/2022	1.96
10-May-2022		1.96
11-May-2022		1.96
12-May-2022		1.96
13-May-2022		1.96
14-May-2022		1.96
15-May-2022		1.96
16-May-2022		1.96
17-May-2022		1.96
18-May-2022		1.96
19-May-2022		1.96
20-May-2022		1.96
21-May-2022		1.96
22-May-2022		1.96
23-May-2022		1.96
24-May-2022		1.96
25-May-2022		1.96
26-May-2022		1.96
27-May-2022		1.96
28-May-2022		1.96
29-May-2022		1.96
30-May-2022		1.96
31-May-2022		1.96
1-Jun-2022		1.96
2-Jun-2022		1.96
3-Jun-2022		1.96
4-Jun-2022		1.96
5-Jun-2022	10/06/2022	1.96
6-Jun-2022		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
7-Jun-2022		1.96
8-Jun-2022		1.96
9-Jun-2022		1.96
10-Jun-2022		1.96
11-Jun-2022		1.96
12-Jun-2022		1.96
13-Jun-2022		1.96
14-Jun-2022		1.96
15-Jun-2022		1.96
16-Jun-2022		1.96
17-Jun-2022		1.96
18-Jun-2022		1.96
19-Jun-2022		1.96
20-Jun-2022		1.96
21-Jun-2022	12/07/2022	1.96
22-Jun-2022		1.96
23-Jun-2022		1.96
24-Jun-2022		1.96
25-Jun-2022		1.96
26-Jun-2022		1.96
27-Jun-2022		1.96
28-Jun-2022		1.96
29-Jun-2022		1.96
30-Jun-2022		1.96
1-Jul-2022		1.96
2-Jul-2022		1.96
3-Jul-2022		1.96
4-Jul-2022		1.96
5-Jul-2022		1.96
6-Jul-2022		1.96
7-Jul-2022		1.96
8-Jul-2022		1.96
9-Jul-2022		1.96
10-Jul-2022		1.96
11-Jul-2022		1.96
12-Jul-2022	12/07/2022	1.96
13-Jul-2022		1.96
14-Jul-2022		1.96
15-Jul-2022		1.96
16-Jul-2022		1.96
17-Jul-2022		1.96
18-Jul-2022		1.96
19-Jul-2022		1.96
20-Jul-2022		1.96
21-Jul-2022		1.96
22-Jul-2022		1.96
23-Jul-2022		1.96
24-Jul-2022		1.96
25-Jul-2022		1.96
26-Jul-2022		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
27-Jul-2022		1.96
28-Jul-2022		1.96
29-Jul-2022		1.96
30-Jul-2022		1.96
31-Jul-2022		1.96
1-Aug-2022		1.96
2-Aug-2022	12/08/2022	1.96
3-Aug-2022		1.96
4-Aug-2022		1.96
5-Aug-2022		1.96
6-Aug-2022		1.96
7-Aug-2022		1.96
8-Aug-2022	12/08/2022	1.96
9-Aug-2022		1.96
10-Aug-2022		1.96
11-Aug-2022		1.96
12-Aug-2022		1.96
13-Aug-2022		1.96
14-Aug-2022		1.96
15-Aug-2022		1.96
16-Aug-2022		1.96
17-Aug-2022		1.96
18-Aug-2022		1.96
19-Aug-2022		1.96
20-Aug-2022		1.96
21-Aug-2022		1.96
22-Aug-2022		1.96
23-Aug-2022		1.96
24-Aug-2022		1.96
25-Aug-2022		1.96
26-Aug-2022		1.96
27-Aug-2022		1.96
28-Aug-2022		1.96
29-Aug-2022		1.96
30-Aug-2022		1.96
31-Aug-2022		1.96
1-Sep-2022		1.96
2-Sep-2022		1.96
3-Sep-2022		1.96
4-Sep-2022		1.96
5-Sep-2022		1.96
6-Sep-2022		1.96
7-Sep-2022		1.96
8-Sep-2022		1.96
9-Sep-2022		1.96
10-Sep-2022		1.96
11-Sep-2022		1.96
12-Sep-2022		1.96
13-Sep-2022	14/09/2022	1.96
14-Sep-2022	14/09/2022	1.96

Data obtained on	Data published on	Volume discharged (ML/d)
15-Sep-2022		1.96
16-Sep-2022		1.96
17-Sep-2022		2.03
18-Sep-2022		2.03
19-Sep-2022		2.03
20-Sep-2022		2.03
21-Sep-2022		2.03
22-Sep-2022		2.03
23-Sep-2022		2.03
24-Sep-2022		1.96
25-Sep-2022		1.96
26-Sep-2022		1.96
27-Sep-2022		1.96
28-Sep-2022		1.96
29-Sep-2022		1.96
30-Sep-2022		1.96
1-Oct-2022		1.96
2-Oct-2022		1.96
3-Oct-2022		1.96
4-Oct-2022		2.03
5-Oct-2022		2.03
6-Oct-2022		2.03
7-Oct-2022		0.20
8-Oct-2022		0.20
9-Oct-2022		0.20
10-Oct-2022		0.20
11-Oct-2022		0.15
12-Oct-2022		0.15
13-Oct-2022		0.15
14-Oct-2022		0.15
15-Oct-2022		0.15
16-Oct-2022	14/10/2022	0.15
17-Oct-2022		1.90
18-Oct-2022		1.90
19-Oct-2022		1.90
20-Oct-2022		1.90
21-Oct-2022		1.90
22-Oct-2022		1.90
23-Oct-2022		1.90
24-Oct-2022		1.96
25-Oct-2022	14/11/2022	1.96
26-Oct-2022		1.96
27-Oct-2022		1.96
28-Oct-2022		1.96
29-Oct-2022		1.96
30-Oct-2022		1.96
31-Oct-2022		1.96
1-Nov-2022		1.96
2-Nov-2022		1.96
3-Nov-2022		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
4-Nov-2022		1.96
5-Nov-2022		1.96
6-Nov-2022		1.96
7-Nov-2022	14/11/2022	1.96
8-Nov-2022		1.96
9-Nov-2022		1.96
10-Nov-2022		1.96
11-Nov-2022		1.96
12-Nov-2022		1.96
13-Nov-2022		1.96
14-Nov-2022		1.90
15-Nov-2022		1.90
16-Nov-2022		1.90
17-Nov-2022		1.90
18-Nov-2022		1.90
19-Nov-2022		1.90
20-Nov-2022		1.90
21-Nov-2022		1.90
22-Nov-2022		1.90
23-Nov-2022		1.90
24-Nov-2022		1.90
25-Nov-2022		1.90
26-Nov-2022		1.90
27-Nov-2022		1.90
28-Nov-2022		1.96
29-Nov-2022		1.96
30-Nov-2022		1.96
1-Dec-2022		1.96
2-Dec-2022		1.96
3-Dec-2022		1.96
4-Dec-2022		1.96
5-Dec-2022		1.96
6-Dec-2022	14/12/2022	1.96
7-Dec-2022		1.96
8-Dec-2022	14/12/2022	1.96
9-Dec-2022		1.96
10-Dec-2022		1.96
11-Dec-2022		1.96
12-Dec-2022		1.96
13-Dec-2022		1.96
14-Dec-2022		1.96
15-Dec-2022		1.96
16-Dec-2022		1.96
17-Dec-2022		1.96
18-Dec-2022		1.96
19-Dec-2022		1.96
20-Dec-2022		1.96
21-Dec-2022		1.96
22-Dec-2022		1.96
23-Dec-2022		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
24-Dec-2022		1.96
25-Dec-2022		1.96
26-Dec-2022		1.96
27-Dec-2022		1.96
28-Dec-2022		1.96
29-Dec-2022		1.96
30-Dec-2022		1.96
31-Dec-2022		1.96
1-Jan-2023		1.96
2-Jan-2023		1.96
3-Jan-2023		1.96
4-Jan-2023		1.96
5-Jan-2023		1.96
6-Jan-2023		1.96
7-Jan-2023		1.96
8-Jan-2023		1.96
9-Jan-2023	09/01/2023	1.96
10-Jan-2023		1.96
11-Jan-2023		1.96
12-Jan-2023		1.96
13-Jan-2023		1.96
14-Jan-2023		1.96
15-Jan-2023		1.96
16-Jan-2023		1.96
17-Jan-2023	07/02/2023	1.96
18-Jan-2023		1.96
19-Jan-2023		1.96
20-Jan-2023		1.96
21-Jan-2023		1.96
22-Jan-2023		1.96
23-Jan-2023		1.96
24-Jan-2023		1.96
25-Jan-2023		1.96
26-Jan-2023		1.96
27-Jan-2023		1.96
28-Jan-2023		1.96
29-Jan-2023		1.96
30-Jan-2023		1.96
31-Jan-2023		1.96
1-Feb-2023		1.96
2-Feb-2023		1.96
3-Feb-2023		1.96
4-Feb-2023		1.96
5-Feb-2023		1.96
6-Feb-2023	07/02/2023	1.96
7-Feb-2023		1.96
8-Feb-2023		1.96
9-Feb-2023		1.96
10-Feb-2023		1.96
11-Feb-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
12-Feb-2023		1.96
13-Feb-2023		1.96
14-Feb-2023		1.96
15-Feb-2023		1.96
16-Feb-2023		1.96
17-Feb-2023		1.96
18-Feb-2023		1.96
19-Feb-2023		1.96
20-Feb-2023		1.96
21-Feb-2023		1.96
22-Feb-2023		1.96
23-Feb-2023		1.96
24-Feb-2023		0.15
25-Feb-2023		0.15
26-Feb-2023		0.15
27-Feb-2023		1.96
28-Feb-2023	07/03/2023	1.96
1-Mar-2023		1.96
2-Mar-2023	07/03/2023	1.96
3-Mar-2023		1.90
4-Mar-2023		1.90
5-Mar-2023		1.90
6-Mar-2023		1.90
7-Mar-2023		1.90
8-Mar-2023		1.90
9-Mar-2023		1.96
10-Mar-2023		1.96
11-Mar-2023		1.96
12-Mar-2023		1.96
13-Mar-2023		1.96
14-Mar-2023		1.96
15-Mar-2023		1.96
16-Mar-2023		1.42
17-Mar-2023		1.42
18-Mar-2023		1.42
19-Mar-2023		1.42
20-Mar-2023		1.42
21-Mar-2023		1.42
22-Mar-2023		1.42
23-Mar-2023		1.96
24-Mar-2023		1.96
25-Mar-2023		1.96
26-Mar-2023		1.96
27-Mar-2023		1.96
28-Mar-2023		1.96
29-Mar-2023		1.96
30-Mar-2023		1.96
31-Mar-2023		1.96
1-Apr-2023		1.96
2-Apr-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
3-Apr-2023		1.96
4-Apr-2023		1.96
5-Apr-2023		1.96
6-Apr-2023		1.96
7-Apr-2023		1.96
8-Apr-2023		1.96
9-Apr-2023		1.96
10-Apr-2023	11/04/2023	1.96
11-Apr-2023	09/05/2023	1.96
12-Apr-2023		1.96
13-Apr-2023		1.96
14-Apr-2023		1.96
15-Apr-2023		1.96
16-Apr-2023		1.96
17-Apr-2023		1.96
18-Apr-2023		1.96
19-Apr-2023		1.96
20-Apr-2023		1.96
21-Apr-2023		1.96
22-Apr-2023		1.96
23-Apr-2023		1.96
24-Apr-2023		1.96
25-Apr-2023		1.96
26-Apr-2023		1.96
27-Apr-2023		1.96
28-Apr-2023		1.96
29-Apr-2023		1.96
30-Apr-2023		1.96
1-May-2023		1.96
2-May-2023		1.96
3-May-2023		1.96
4-May-2023		1.96
5-May-2023		1.96
6-May-2023		1.96
7-May-2023		1.96
8-May-2023		1.96
9-May-2023	09/05/2023	1.96
10-May-2023		1.96
11-May-2023		1.96
12-May-2023		1.96
13-May-2023		1.96
14-May-2023		1.96
15-May-2023		1.96
16-May-2023		1.96
17-May-2023		1.96
18-May-2023		1.96
19-May-2023		1.96
20-May-2023		1.96
21-May-2023		1.96
22-May-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
23-May-2023	9/06/2023	1.96
24-May-2023		1.96
25-May-2023		1.96
26-May-2023		1.96
27-May-2023		1.96
28-May-2023		1.96
29-May-2023		1.96
30-May-2023		1.96
31-May-2023		1.96
1-Jun-2023		1.96
2-Jun-2023		1.96
3-Jun-2023		1.96
4-Jun-2023		1.96
5-Jun-2023	9/06/2023	1.96
6-Jun-2023		1.96
7-Jun-2023		1.96
8-Jun-2023		1.96
9-Jun-2023		1.96
10-Jun-2023		1.96
11-Jun-2023		1.96
12-Jun-2023		1.96
13-Jun-2023		1.96
14-Jun-2023		1.96
15-Jun-2023		1.96
16-Jun-2023		1.96
17-Jun-2023		1.96
18-Jun-2023		1.96
19-Jun-2023		1.96
20-Jun-2023		1.96
21-Jun-2023		1.96
22-Jun-2023		1.96
23-Jun-2023		1.96
24-Jun-2023		1.96
25-Jun-2023		1.90
26-Jun-2023		1.90
27-Jun-2023		1.90
28-Jun-2023		1.90
29-Jun-2023		1.90
30-Jun-2023		1.90
1-Jul-2023		1.90
2-Jul-2023		1.96
3-Jul-2023		1.96
4-Jul-2023	11/07/2023	1.96
5-Jul-2023		1.96
6-Jul-2023		1.96
7-Jul-2023		1.96
8-Jul-2023		1.96
9-Jul-2023		1.96
10-Jul-2023	11/07/2023	1.96
11-Jul-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
12-Jul-2023		1.96
13-Jul-2023		1.96
14-Jul-2023		1.96
15-Jul-2023		1.96
16-Jul-2023		1.96
17-Jul-2023		1.96
18-Jul-2023		1.96
19-Jul-2023		1.96
20-Jul-2023		1.96
21-Jul-2023		1.96
22-Jul-2023		1.96
23-Jul-2023		1.96
24-Jul-2023		1.96
25-Jul-2023		1.96
26-Jul-2023		1.96
27-Jul-2023		1.96
28-Jul-2023		1.96
29-Jul-2023		1.96
30-Jul-2023		1.96
31-Jul-2023		1.96
1-Aug-2023		1.96
2-Aug-2023		1.96
3-Aug-2023		1.96
4-Aug-2023		1.96
5-Aug-2023		1.96
6-Aug-2023		1.96
7-Aug-2023		1.96
8-Aug-2023	11/08/2023	1.96
9-Aug-2023		1.96
10-Aug-2023		1.96
11-Aug-2023		1.96
12-Aug-2023		1.96
13-Aug-2023		1.96
14-Aug-2023		1.96
15-Aug-2023	06/09/23	1.96
16-Aug-2023		1.96
17-Aug-2023		1.96
18-Aug-2023		1.96
19-Aug-2023		1.96
20-Aug-2023		1.96
21-Aug-2023		1.96
22-Aug-2023		1.96
23-Aug-2023		1.96
24-Aug-2023		1.96
25-Aug-2023		1.96
26-Aug-2023		1.96
27-Aug-2023		1.96
28-Aug-2023		1.96
29-Aug-2023		1.96
30-Aug-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
31-Aug-2023		1.96
1-Sep-2023		1.96
2-Sep-2023		1.96
3-Sep-2023		1.96
4-Sep-2023		1.96
5-Sep-2023		1.96
6-Sep-2023	06/09/23	1.96
7-Sep-2023		1.96
8-Sep-2023		1.96
9-Sep-2023		1.96
10-Sep-2023		1.96
11-Sep-2023		1.96
12-Sep-2023		1.96
13-Sep-2023		1.96
14-Sep-2023		1.96
15-Sep-2023		1.96
16-Sep-2023		1.96
17-Sep-2023		1.96
18-Sep-2023		1.96
19-Sep-2023		1.96
20-Sep-2023		1.96
21-Sep-2023		1.96
22-Sep-2023		1.96
23-Sep-2023		1.96
24-Sep-2023		1.96
25-Sep-2023		1.96
26-Sep-2023	08/10/23	1.96
27-Sep-2023		1.96
28-Sep-2023		1.96
29-Sep-2023		1.96
30-Sep-2023		1.96
1-Oct-2023		1.96
2-Oct-2023		1.96
3-Oct-2023		1.96
4-Oct-2023		1.96
5-Oct-2023		1.96
6-Oct-2023		1.96
7-Oct-2023		1.96
8-Oct-2023	8/10/23	1.96
9-Oct-2023		1.96
10-Oct-2023		1.96
11-Oct-2023		1.96
12-Oct-2023		1.96
13-Oct-2023		1.96
14-Oct-2023		1.96
15-Oct-2023		1.96
16-Oct-2023		1.96
17-Oct-2023		1.96
18-Oct-2023		1.96
19-Oct-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
20-Oct-2023		1.96
21-Oct-2023		1.96
22-Oct-2023		1.96
23-Oct-2023		1.96
24-Oct-2023		1.96
25-Oct-2023		1.96
26-Oct-2023		1.96
27-Oct-2023		1.96
28-Oct-2023		1.96
29-Oct-2023		1.96
30-Oct-2023		1.96
31-Oct-2023		1.96
1-Nov-2023		1.96
2-Nov-2023		1.96
3-Nov-2023		1.96
4-Nov-2023		1.96
5-Nov-2023		1.96
6-Nov-2023		1.96
7-Nov-2023	10/11/23	1.96
8-Nov-2023		1.96
9-Nov-2023	10/11/23	1.96
10-Nov-2023		1.96
11-Nov-2023		1.96
12-Nov-2023		1.96
13-Nov-2023		1.96
14-Nov-2023		1.96
15-Nov-2023		1.96
16-Nov-2023		1.96
17-Nov-2023		1.96
18-Nov-2023		1.96
19-Nov-2023		1.96
20-Nov-2023		1.96
21-Nov-2023		1.96
22-Nov-2023		1.96
23-Nov-2023		1.96
24-Nov-2023		1.96
25-Nov-2023		1.96
26-Nov-2023		1.96
27-Nov-2023		1.96
28-Nov-2023		1.96
29-Nov-2023		1.96
30-Nov-2023		1.96
1-Dec-2023		1.96
2-Dec-2023		1.96
3-Dec-2023		1.96
4-Dec-2023	06/12/23	1.96
5-Dec-2023		1.96
6-Dec-2023		1.96
7-Dec-2023		1.96
8-Dec-2023		1.96

Data obtained on	Data published on	Volume discharged (ML/d)
9-Dec-2023		1.96
10-Dec-2023		1.96
11-Dec-2023		1.1
12-Dec-2023		1.1
13-Dec-2023		1.1
14-Dec-2023		1.1
15-Dec-2023		1.9
16-Dec-2023		1.9
17-Dec-2023		1.9
18-Dec-2023		1.9
19-Dec-2023	10/01/24	1.96
20-Dec-2023		1.96
21-Dec-2023		1.96
22-Dec-2023		1.96
23-Dec-2023		1.96
24-Dec-2023		1.96
25-Dec-2023		1.96
26-Dec-2023		0.98
27-Dec-2023		0.98
28-Dec-2023		0.98
29-Dec-2023		0.98
30-Dec-2023		0.98
31-Dec-2023	10/01/24	0.98
1-Jan-2024		0.98
2-Jan-2024		0.98
3-Jan-2024		0.98
4-Jan-2024		1.96
5-Jan-2024		1.96
6-Jan-2024		1.96
7-Jan-2024		1.96
8-Jan-2024		1.96
9-Jan-2024		1.96
10-Jan-2024		1.96
11-Jan-2024		1.96
12-Jan-2024		1.96
13-Jan-2024		1.96
14-Jan-2024		1.96
15-Jan-2024		1.96
16-Jan-2024		1.96
17-Jan-2024		1.96
18-Jan-2024		power outage- no data
19-Jan-2024		
20-Jan-2024		
21-Jan-2024		
22-Jan-2024		
23-Jan-2024		
24-Jan-2024		
25-Jan-2024		1.90
26-Jan-2024		1.90
27-Jan-2024		1.90

Data obtained on	Data published on	Volume discharged (ML/d)
28-Jan-2024		1.90
29-Jan-2024		1.90
30-Jan-2024	13/02/24	1.90
31-Jan-2024		1.90
1-Feb-2024		1.90
2-Feb-2024		1.90
3-Feb-2024		1.90
4-Feb-2024		1.90
5-Feb-2024	13/02/24	1.90
6-Feb-2024		1.90
7-Feb-2024		1.90
8-Feb-2024		1.90
9-Feb-2024		1.90
10-Feb-2024		1.90
11-Feb-2024		1.90
12-Feb-2024		1.96
13-Feb-2024		1.96
14-Feb-2024		1.96
15-Feb-2024		1.96
16-Feb-2024		1.96
17-Feb-2024		1.96
18-Feb-2024		1.96
19-Feb-2024		1.96
20-Feb-2024		1.96
21-Feb-2024		1.96
22-Feb-2024		1.96
23-Feb-2024		1.96
24-Feb-2024		1.96
25-Feb-2024		1.96
26-Feb-2024		1.53
27-Feb-2024		1.53
28-Feb-2024		1.53
29-Feb-2024		1.42
1-Mar-2024		1.42
2-Mar-2024		1.42
3-Mar-2024		1.42
4-Mar-2024		1.96
5-Mar-2024		1.96
6-Mar-2024		1.96
7-Mar-2024		1.96
8-Mar-2024		1.96
9-Mar-2024		1.96
10-Mar-2024		1.96
11-Mar-2024		1.96
12-Mar-2024	13/03/2024	1.96
13-Mar-2024		1.96
14-Mar-2024		1.96
15-Mar-2024		1.96
16-Mar-2024		1.96
17-Mar-2024	10/04/2024	1.96

Data obtained on	Data published on	Volume discharged (ML/d)
18-Mar-2024		1.96
19-Mar-2024		1.96
20-Mar-2024		1.96
21-Mar-2024		1.96
22-Mar-2024		0.98
23-Mar-2024		0.98
24-Mar-2024		0.98
25-Mar-2024		0.98
26-Mar-2024		1.79
27-Mar-2024		1.79
28-Mar-2024		1.79
29-Mar-2024		1.79
30-Mar-2024		1.79
31-Mar-2024		1.79
1-Apr-2024		1.79
2-Apr-2024		1.90
3-Apr-2024		1.90
4-Apr-2024	10/04/2024	1.90
5-Apr-2024		1.90
6-Apr-2024		1.90
7-Apr-2024		1.90
8-Apr-2024		1.90
9-Apr-2024		1.90
10-Apr-2024		1.90
11-Apr-2024		1.90
12-Apr-2024		1.90
13-Apr-2024		1.90
14-Apr-2024		1.90
15-Apr-2024		1.96
16-Apr-2024		1.96
17-Apr-2024		1.96
18-Apr-2024		1.96
19-Apr-2024		1.96
20-Apr-2024		1.96
21-Apr-2024		1.96
22-Apr-2024		1.96
23-Apr-2024		1.96
24-Apr-2024		1.96
25-Apr-2024		1.96
26-Apr-2024		1.96
27-Apr-2024		1.96
28-Apr-2024		1.96
29-Apr-2024		1.96
30-Apr-2024		1.96
1-May-2024		1.96
2-May-2024		1.96
3-May-2024		1.96
4-May-2024		1.96
5-May-2024		1.96
6-May-2024	14/05/2024	1.96

Data obtained on	Data published on	Volume discharged (ML/d)
7-May-2024		1.96
8-May-2024		1.96
9-May-2024	14/05/2024	1.96
10-May-2024		1.96
11-May-2024		1.96
12-May-2024		1.96
13-May-2024		1.96
14-May-2024		1.96
15-May-2024		1.96
16-May-2024		1.96
17-May-2024		1.96
18-May-2024		1.96
19-May-2024		1.96
20-May-2024		1.96
21-May-2024		1.96
22-May-2024		1.96
23-May-2024		1.96
24-May-2024		1.96
25-May-2024		1.96
26-May-2024		1.96
27-May-2024		1.96
28-May-2024		1.96
29-May-2024		1.96
30-May-2024		1.96
31-May-2024		1.96
1-Jun-2024		1.96
2-Jun-2024		1.96
3-Jun-2024	11/6/2024	1.96
4-Jun-2024		1.96
5-Jun-2024		1.96
6-Jun-2024		2.03
7-Jun-2024		2.03
8-Jun-2024		2.03
9-Jun-2024		2.03
10-Jun-2024		2.03
11-Jun-2024		2.03
12-Jun-2024		2.03
13-Jun-2024		2.10
14-Jun-2024		2.10
15-Jun-2024		2.10
16-Jun-2024		2.10
17-Jun-2024		2.10
18-Jun-2024		2.10
19-Jun-2024		2.10
20-Jun-2024		2.10
21-Jun-2024		2.10
22-Jun-2024		2.10
23-Jun-2024		2.10
24-Jun-2024		2.10
25-Jun-2024	04/7/24	2.10

Data obtained on	Data published on	Volume discharged (ML/d)
26-Jun-2024		2.10
27-Jun-2024	04/7/24	2.10
28-Jun-2024		2.10
29-Jun-2024		2.10
30-Jun-2024		2.10
1-Jul-2024		2.10
2-Jul-2024		2.10
3-Jul-2024		2.10
4-Jul-2024		2.10
5-Jul-2024		2.10
6-Jul-2024		2.10
7-Jul-2024		2.10
8-Jul-2024		2.10
9-Jul-2024		2.10
10-Jul-2024		2.10
11-Jul-2024		0.98
12-Jul-2024		0.98
13-Jul-2024		0.98
14-Jul-2024		0.98
15-Jul-2024		0.54
16-Jul-2024		0.54
17-Jul-2024		0.54
18-Jul-2024		0.54
19-Jul-2024		0.54
20-Jul-2024		0.54
21-Jul-2024		0.54
22-Jul-2024		1.79
23-Jul-2024		1.79
24-Jul-2024		1.79
25-Jul-2024		1.79
26-Jul-2024		1.79
27-Jul-2024		1.79
28-Jul-2024		1.79
29-Jul-2024		1.79
30-Jul-2024		1.79
31-Jul-2024		1.79
1-Aug-2024		1.90
2-Aug-2024		1.90
3-Aug-2024		1.90
4-Aug-2024		1.90
5-Aug-2024		1.96
6-Aug-2024		1.96
7-Aug-2024	07/8/24	1.96
8-Aug-2024		1.96
9-Aug-2024		1.96
10-Aug-2024		1.96
11-Aug-2024		1.96
12-Aug-2024		1.96
13-Aug-2024		1.96
14-Aug-2024	09/09/24	1.96

Data obtained on	Data published on	Volume discharged (ML/d)
15-Aug-2024		1.90
16-Aug-2024		1.90
17-Aug-2024		1.90
18-Aug-2024		1.90
19-Aug-2024		1.79
20-Aug-2024		1.79
21-Aug-2024		1.79
22-Aug-2024		1.53
23-Aug-2024		1.53
24-Aug-2024		1.53
25-Aug-2024		1.53
26-Aug-2024		1.53
27-Aug-2024		1.53
28-Aug-2024		1.53
29-Aug-2024		1.53
30-Aug-2024		1.53
31-Aug-2024		1.53
1-Sep-2024		1.53
2-Sep-2024		1.53
3-Sep-2024		1.53
4-Sep-2024		1.53
5-Sep-2024	09/09/24	1.53

Licence Limit: 10 ML/d. Compliance summary: Discharge within licence limits.

3. Ambient Air/Dust Monitoring

On 30th August 2021, the EPA approved an amendment to the Berrima Colliery EPL removing the requirement to monitor dust. The amendment was because mining and ancillary activities have ceased at the premises which is in the process of closure. Up until the change in the licence, Berrima Colliery operated 4 dust monitoring locations as described below:

- Mine Office Dust Deposition (Gauge 1)
- Medway Village Dust Deposition (Gauge 2)
- Loch Catherine Coal Stockpile Dust Deposition (Gauge 3)
- Mine Entry Road PM_{10} Atmospheric Dust (Gauge 4)

The results provided in the following sections have been included for completeness however no further results will be included post 30th August 2021.

3.1 Dust Deposition Gauges: Total Insoluble Matter (grams per metre^2 per month)

Gauges 1 to 3 are dust deposition gauges which measure the levels of coarse dust. It is a measure of dust nuisance rather than an indication of potential health problems as this dust fraction does not penetrate into the respiratory system.

Licence limit: Not specified

Adopted limits: For dust deposition, the NSW State guideline of 4 g/m^2 /month (presented as a 12-month rolling average) has been adopted.

Table 5 – Dust Deposition Data

	Dust Deposition Gauges (g/m^2/month as 12-month rolling average)		
	Site 1 Office	Site 2 Medway Village	Site 3 Loch Catherine
December 2016 Report Received: 9/01/17 Date Published: 6/02/17	1.61	0.44	0.46
January 2017 Report Received: 6/02/17 Date Published: 6/02/17	1.58	0.58	0.45
February 2017 Report Received: 8/03/17 Date Published: 8/03/17	1.53	0.61	0.47
March 2017 Report Received: 16/03/17 Date Published: 4/04/17	1.65	0.65	0.50
April 2017 Report Received: 3/05/17 Date Published: 5/05/17	1.64	0.64	0.49
May 2017 Report Received: 5/06/17 Date Published: 5/06/17	1.67	0.65	0.50
June 2017	1.55	0.60	0.40

	Dust Deposition Gauges (g/m^2/month as 12-month rolling average)		
	Site 1 Office	Site 2 Medway Village	Site 3 Loch Catherine
Report Received: 3/07/17 Date Published: 4/07/17			
July 2017 Report Received: 7/08/17 Date Published: 8/08/17	1.49	0.61	0.40
August 2017 Report Received: 1/09/17 Date Published: 11/09/17	1.53	0.66	0.39
September 2017 Report Received: 15/09/17 Date Published: 13/10/17	1.24	0.62	0.38
October 2017 Report Received: 15/09/17 Date Published: 13/10/17	1.23	0.65	0.42
November 2017 Report Received: 15/11/17 Date Published: 6/12/17	1.34	No Result*	0.48
December 2017 Report Received: 5/01/18 Date Published: 9/1/18	2.07	0.70	0.48
January 2018 Report Received: 9/03/18 Date Published: 13/3/18	2.04	0.63	0.55
February 2018 Report Received: 21/02/18 Date Published: 13/3/18	2.12	0.69	0.50
March 2018 Report Received: 15/03/18 Date Published: 14/4/18	1.99	0.64	0.48
April 2018 Report Received: 11/06/18 Date Published: 12/06/18	1.98	0.65	0.55
May 2018 Report Received: 11/06/18 Date Published: 12/06/18	0.97	0.69	0.58
June 2018 Report Received: 18/06/18 Date Published: 10/07/18	1.97	0.75	No Result#
July 2018 Report Received: 03/08/18 Date Published: 14/08/18	1.98	0.75	0.64
August 2018 Report Received: 05/09/18 Date Published: 07/09/18	1.96	0.71	0.81
September 2018 Report Received: 02/10/18 Date Published: 04/10/18	1.95	0.75	0.85
October 2018 Report Received: 07/11/18 Date Published: 09/11/18	2.0	0.78	0.85
November 2018 Report Received: 7/12/18 Date Published: 13/12/18	1.81	0.77	0.83
December 2018 Report Received: 15/01/19 Date Published: 15/01/19	1.73	0.82	0.93

	Dust Deposition Gauges (g/m^2/month as 12-month rolling average)		
	Site 1 Office	Site 2 Medway Village	Site 3 Loch Catherine
January 2019 Report Received: 08/02/19 Date Published: 11/02/19	2.42	0.93	1.07
February 2019 Report Received: 14/03/19 Date Published: 14/03/19	2.32	0.84	1.15
March 2019 Report Received: 11/04/19 Date Published: 12/04/19	2.28	0.86	1.19
April 2019 Report Received: 1/05/19 Date Published: 13/05/19	2.33	0.86	1.24
May 2019 Report Received: 12/06/19 Date Published: 13/06/19	2.29	0.82	1.21
June 2019 Report Received: 12/07/19 Date Published: 12/07/19	2.34	0.83	1.14
July 2019 Report Received: 08/08/19 Date Published: 08/08/19	2.36	0.83	1.12
August 2019 Report Received: 04/09/19 Date Published: 10/09/19	2.34	0.83	0.97
September 2019 Report Received: 08/10/19 Date Published: 10/10/19	2.46	0.83	1.15
October 2019 Report Received: 13/11/19 Date Published: 13/11/19	2.42	0.83	1.14
November 2019 Report Received: 10/12/19 Date Published: 12/12/19	2.49	0.88	1.18
December 2019 Report Received: 18/12/19 Date Published: 13/01/20	1.88	0.87	1.18
January 2020 Report Received: 11/02/20 Date Published: 11/02/20	1.34	0.75	1.41
February 2020 Report Received: 12/03/20 Date Published: 12/03/20	2.16	0.98	1.56
March 2020 Report Received: 08/04/20 Date Published: 08/04/20	2.47	1.17	1.68
April 2020 Report Received: 12/05/20 Date Published: 12/05/20	2.49	1.13	1.56
May 2020 Report Received: 04/06/20 Date Published: 04/06/20	2.56	1.18	1.54
June 2020 Report Received: 16/06/20 Date Published: 01/07/20	2.56	1.18	1.54
July 2020 Report Received: 15/07/20 Date Published: 11/08/20	2.56	1.23	1.55

	Dust Deposition Gauges (g/m^2/month as 12-month rolling average)		
	Site 1 Office	Site 2 Medway Village	Site 3 Loch Catherine
August 2020 Report Received: 14/08/20 Date Published: 11/09/20	2.62	1.27	1.66
September 2020 Report Received: 14/09/20 Date Published: 01/10/20	2.70	1.33	1.46
October 2020 Report Received: 15/10/20 Date Published: 10/12/20	2.92	1.27	1.43
November 2020 Report Received: 15/11/20 Date Published: 10/12/20	2.83	1.25	1.38
December 2020 Report Received: 16/12/20 Date Published: 13/01/21	2.81	1.28	1.35
January 2021 Report Received: 15/01/21 Date Published: 10/02/21	2.68	1.19	1.09
February 2021 Report Received: 12/02/21 Date Published: 11/03/21	1.84	0.97	0.93
March 2021 Report Received: 12/03/21 Date Published: 12/04/21	1.58	0.82	0.78
April 2021 Report Received: 16/04/21 Date Published: 12/05/21	1.47	0.81	0.78
May 2021 Report Received: 12/05/21 Date Published: 11/06/21	1.43	0.78	0.80
June 2021 Report Received: 11/06/21 Date Published: 13/07/21	1.63	0.91	1.04
July 2021 Report Received: 14/07/21 Date Published: 10/08/21	1.63	0.88	1.08
August 2021 Report Received: 13/08/21 Date Published: 14/09/21	1.68	0.89	0.98
September 2021 Report Received: 13/09/21 Date Published: 14/09/21	1.58	0.88	No Result##

Compliance summary: The dust levels at site office and Loch meet the adopted criteria. *Dust gauge missing from Medway Village therefore no result for November 2017.

Dust gauge destroyed in fire at Loch Catherine (Site 3) therefore no result for June 2018.

Dust bottle cracked and leaking water, therefore no sample analysed at Site 3 in September 2021.

3.2 Atmospheric Dust Sampling

Up until the 30th August 2021, Berrima Colliery was required to measure the very small fraction of total suspended particulate matter, namely the 10 micron fraction (PM_{10}). This test measures the levels of the very fine dust suspended in the air which is a measure of potential health effects (irritation of the respiratory tract) as the small particles can penetrate into the airways and the lungs. Fine dust can persist in the atmosphere for days or even months before it settles and can travel some distance. Gauge 4 was located near the mine entrance which is midway between the mine facilities and the village of Medway.

Licence limit: Not specified

Adopted limits: The National Environment Protection (Ambient Air Quality) Measure standard of 50 µg/m^3 for a 24-hour average has been adopted. This is in line with current standards for the coal industry.

Table 7 – Atmospheric Dust Data

Month	Report Received	Date Published	PM_{10} µg/m^3 24 hour average
January 2017	23/01/17	06/02/17	13.6
February 2017	16/02/17	08/03/17	73.3
March 2017	16/03/17	04/04/17	8.5
April 2017	20/04/17	05/05/17	11.6
May 2017	15/05/17	05/06/17	8.8
June 2017	14/06/17	04/07/17	2.8
July 2017	03/08/17	08/08/17	<0.1
August 2017	18/09/17	13/10/17	<0.1
September 2017	18/09/17	13/10/17	7.0
October 2017	13/10/17	06/12/17	15.5
November 2017	14/11/17	06/12/17	10.2
December 2017	18/12/17	09/01/18	9.1
January 2018	24/01/18	13/02/18	15.16
February 2018	22/02/18	13/03/18	12.0
March 2018	26/03/18	14/04/18	17.3
April 2018	24/04/18	11/05/18	21.1
May 2018	18/05/18	12/06/18	14.5
June 2018	21/06/18	26/06/18	6.7
July 2018	19/07/18	14/08/18	3.2
August 2018	28/08/18	07/09/18	12.4
September 2018	26/09/18	04/10/18	5.5
October 2018	12/10/18	09/11/18	11.6
November 2018	7/12/18	13/12/18	37.8
December 2018	20/12/18	15/01/19	136
January 2019	22/01/19	11/02/19	25.9
February 2019	08/03/19	14/03/19	14.0
March 2019	27/03/19	12/04/19	8.8
April 2019	30/04/19	13/06/19	7.6
May 2019	27/05/19	13/06/19	43.5
June 2019	18/06/19	12/07/19	11.0
July 2019	18/07/19	8/08/19	2.0
August 2019	16/08/19	10/09/19	5.6
September 2019	20/09/19	10/10/19	6.6
October 2019	25/10/19	13/11/19	18.2
November 2019	18/11/19	12/12/19	44.4
December 2019	02/12/19	16/12/19	18.6

Month	Report Received	Date Published	PM_{10} µg/m^3 24 hour average
January 2020	29/01/20	11/02/20	35.0
February 2020	24/02/20	12/03/20	93.8
March 2020	17/03/20	08/04/20	15.8
April 2020	20/04/20	12/05/20	9.3
May 2020	18/05/20	04/06/20	14.0
June 2020	16/06/20	01/07/20	6.0
July 2020	13/08/20	11/09/20	12.9
August 2020	13/08/20	11/09/20	13.2
September 2020	23/09/20	01/10/20	9.0
October 2020	16/10/20	09/11/20	9.0
November 2020	16/11/20	10/12/20	4.7
December 2020	17/12/20	13/01/21	11.8
January 2021	25/01/21	10/02/21	2.7
February 2021	26/02/21	11/03/21	8.9
March 2021	13/04/21	12/05/21	18.9
April 2021	11/06/21	12/07/21	7.2
May 2021	17/05/21	11/06/21	7.7
June 2021	18/06/21	13/07/21	8.8
July 2021	14/07/21	10/08/21	1.8
August 2021	16/08/21	10/09/21	7.3
September 2021	16/09/21	14/10/21	18.2

Compliance summary:

The February 2017 result exceeded the NEPM standard at the mine office. The corresponding deposition monitoring data at the mine office and at Medway Village was still in compliance despite the elevated PM_{10} reading on the mine site, and therefore deposition rates at the nearest residential receptor remain in compliance.

The December 2018 result exceeded the NEPM standard at the mine office. This was due to localised dust generation resulting from handling of limestone aggregate for use in underground water treatment. The corresponding deposition monitoring data at the mine office was elevated relative to the village and the stockpile sites. Given that the result at Medway Village was still in compliance despite the elevated PM_{10} reading on the mine site, deposition rates at the nearest residential receptor remain in compliance. Elevated dust readings will be expected in future as part of the earthworks component of the rehabilitation program.

The November 2019 result was effected by hazard reduction burning in the region, while the January and February 2020 levels were effected by bushfires in the local area.

As Berrima Colliery is now in the process of closure and all mining and ancillary activities have ceased at the premises, the EPA approved a variation to EPL 608 to remove the requirements to monitor Oil and Grease from the discharge point as well as remove the requirement to monitor dust. The results in this report include historic data prior to the change in the EPL for completeness.

REPORT ENDS