Data range of report	1/7/2022 to 30/09/2022	Rainfall Depth (mm)	307.8

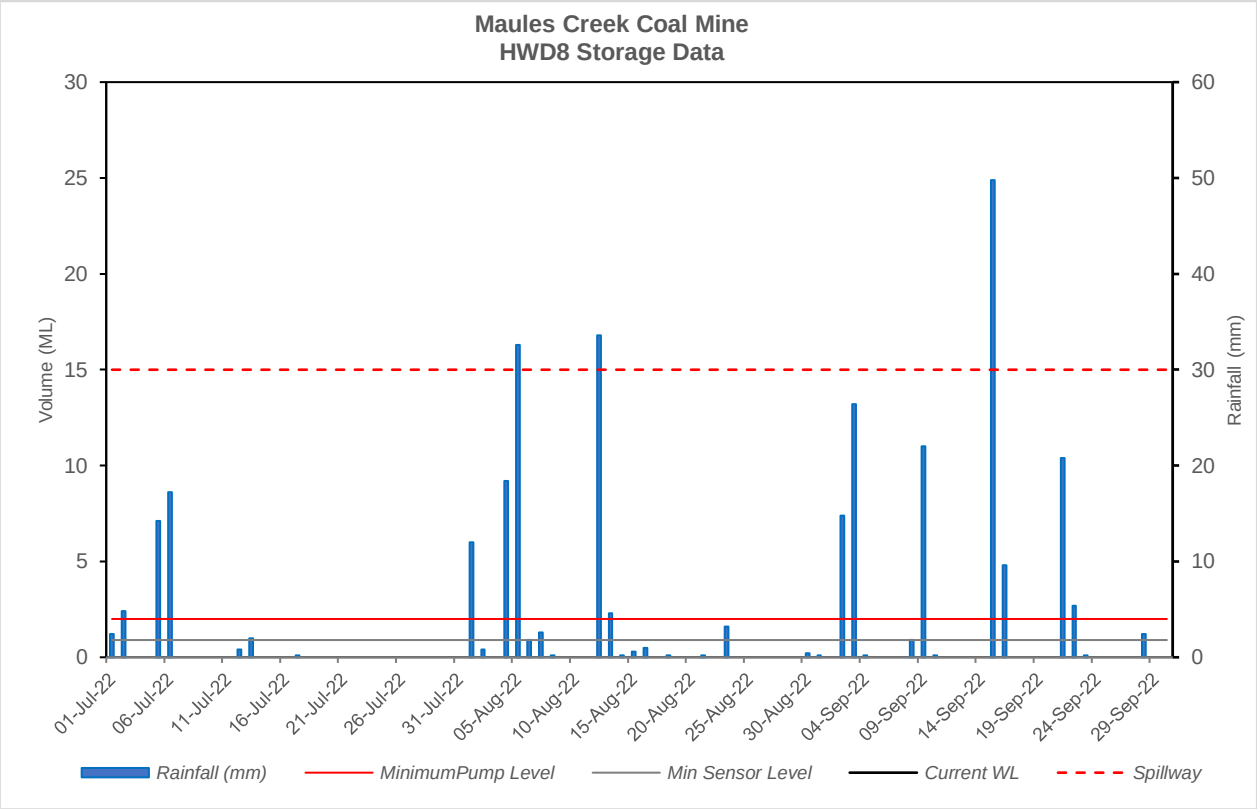
Dam Name **HWD8**

Latest field data				ML
pH		0	Minimum sensor level	0.9
EC	us/cm	0	Minimum pump level	2.0
TSS	mg/L	0	Spillway	15.8
OG	mg/L	0	Current level	<0.1

Notes

HWD8 had no inflows over the reporting period. The water level is below the minimum operating level of the dams equipment and there is insufficient water to take a water quality sample from

HWD Recorded Data



Latest Photo - 29/09/2022

Quarterly data									
Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
1/07/2022	2.4	0	0	0	0	0	0	0	0
2/07/2022	4.8	0	0	0	0	0	0	0	0
3/07/2022	0	0	0	0	0	0	0	0	0
4/07/2022	0	0	0	0	0	0	0	0	0
5/07/2022	14.2	0	0	0	0	0	0	0	0
6/07/2022	17.2	0	0	0	0	0	0	0	0
7/07/2022	0	0	0	0	0	0	0	0	0
8/07/2022	0	0	0	0	0	0	0	0	0
9/07/2022	0	0	0	0	0	0	0	0	0
10/07/2022	0	0	0	0	0	0	0	0	0
11/07/2022	0	0	0	0	0	0	0	0	0
12/07/2022	0.8	0	0	0	0	0	0	0	0
13/07/2022	2.0	0	0	0	0	0	0	0	0
14/07/2022	0	0	0	0	0	0	0	0	0
15/07/2022	0	0	0	0	0	0	0	0	0
16/07/2022	0	0	0	0	0	0	0	0	0
17/07/2022	0.2	0	0	0	0	0	0	0	0
18/07/2022	0	0	0	0	0	0	0	0	0
19/07/2022	0	0	0	0	0	0	0	0	0
20/07/2022	0	0	0	0	0	0	0	0	0
21/07/2022	0	0	0	0	0	0	0	0	0
22/07/2022	0	0	0	0	0	0	0	0	0
23/07/2022	0	0	0	0	0	0	0	0	0
24/07/2022	0	0	0	0	0	0	0	0	0
25/07/2022	0	0	0	0	0	0	0	0	0
26/07/2022	0	0	0	0	0	0	0	0	0
27/07/2022	0	0	0	0	0	0	0	0	0
28/07/2022	0	0	0	0	0	0	0	0	0
29/07/2022	0	0	0	0	0	0	0	0	0
30/07/2022	0	0	0	0	0	0	0	0	0
31/07/2022	0	0	0	0	0	0	0	0	0
1/08/2022	12.0	0	0	0	0	0	0	0	0
2/08/2022	0.8	0	0	0	0	0	0	0	0
3/08/2022	0	0	0	0	0	0	0	0	0
4/08/2022	18.4	0	0	0	0	0	0	0	0
5/08/2022	32.6	0	0	0	0	0	0	0	0
6/08/2022	1.8	0	0	0	0	0	0	0	0
7/08/2022	2.6	0	0	0	0	0	0	0	0
8/08/2022	0.2	0	0	0	0	0	0	0	0
9/08/2022	0	0	0	0	0	0	0	0	0
10/08/2022	0	0	0	0	0	0	0	0	0
11/08/2022	0	0	0	0	0	0	0	0	0
12/08/2022	33.6	0	0	0	0	0	0	0	0
13/08/2022	4.6	0	0	0	0	0	0	0	0
14/08/2022	0.2	0	0	0	0	0	0	0	0
15/08/2022	0.6	0	0	0	0	0	0	0	0
16/08/2022	1.0	0	0	0	0	0	0	0	0
17/08/2022	0	0	0	0	0	0	0	0	0
18/08/2022	0.2	0	0	0	0	0	0	0	0
19/08/2022	0	0	0	0	0	0	0	0	0
20/08/2022	0	0	0	0	0	0	0	0	0
21/08/2022	0.2	0	0	0	0	0	0	0	0
22/08/2022	0	0	0	0	0	0	0	0	0
23/08/2022	3.2	0	0	0	0	0	0	0	0
24/08/2022	0	0	0	0	0	0	0	0	0
25/08/2022	0	0	0	0	0	0	0	0	0
26/08/2022	0	0	0	0	0	0	0	0	0
27/08/2022	0	0	0	0	0	0	0	0	0
28/08/2022	0	0	0	0	0	0	0	0	0

Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
29/08/2022	0	0	0	0	0	0	0	0	0
30/08/2022	0.4	0	0	0	0	0	0	0	0
31/08/2022	0.2	0	0	0	0	0	0	0	0
1/09/2022	0	0	0	0	0	0	0	0	0
2/09/2022	14.8	0	0	0	0	0	0	0	0
3/09/2022	26.4	0	0	0	0	0	0	0	0
4/09/2022	0.2	0	0	0	0	0	0	0	0
5/09/2022	0	0	0	0	0	0	0	0	0
6/09/2022	0	0	0	0	0	0	0	0	0
7/09/2022	0	0	0	0	0	0	0	0	0
8/09/2022	1.8	0	0	0	0	0	0	0	0
9/09/2022	22.0	0	0	0	0	0	0	0	0
10/09/2022	0.2	0	0	0	0	0	0	0	0
11/09/2022	0	0	0	0	0	0	0	0	0
12/09/2022	0	0	0	0	0	0	0	0	0
13/09/2022	0	0	0	0	0	0	0	0	0
14/09/2022	0	0	0	0	0	0	0	0	0
15/09/2022	49.8	0	0	0	0	0	0	0	0
16/09/2022	9.6	0	0	0	0	0	0	0	0
17/09/2022	0	0	0	0	0	0	0	0	0
18/09/2022	0	0	0	0	0	0	0	0	0
19/09/2022	0	0	0	0	0	0	0	0	0
20/09/2022	0	0	0	0	0	0	0	0	0
21/09/2022	20.8	0	0	0	0	0	0	0	0
22/09/2022	5.4	0	0	0	0	0	0	0	0
23/09/2022	0.2	0	0	0	0	0	0	0	0
24/09/2022	0	0	0	0	0	0	0	0	0
25/09/2022	0	0	0	0	0	0	0	0	0
26/09/2022	0	0	0	0	0	0	0	0	0
27/09/2022	0	0	0	0	0	0	0	0	0
28/09/2022	2.4	0	0	0	0	0	0	0	0
29/09/2022	0	0	0	0	0	0	0	0	0
30/09/2022	0	0	0	0	0	0	0	0	0

Data range of report	1/7/2022 to 30/09/2022	Rainfall Depth (mm)	307.8

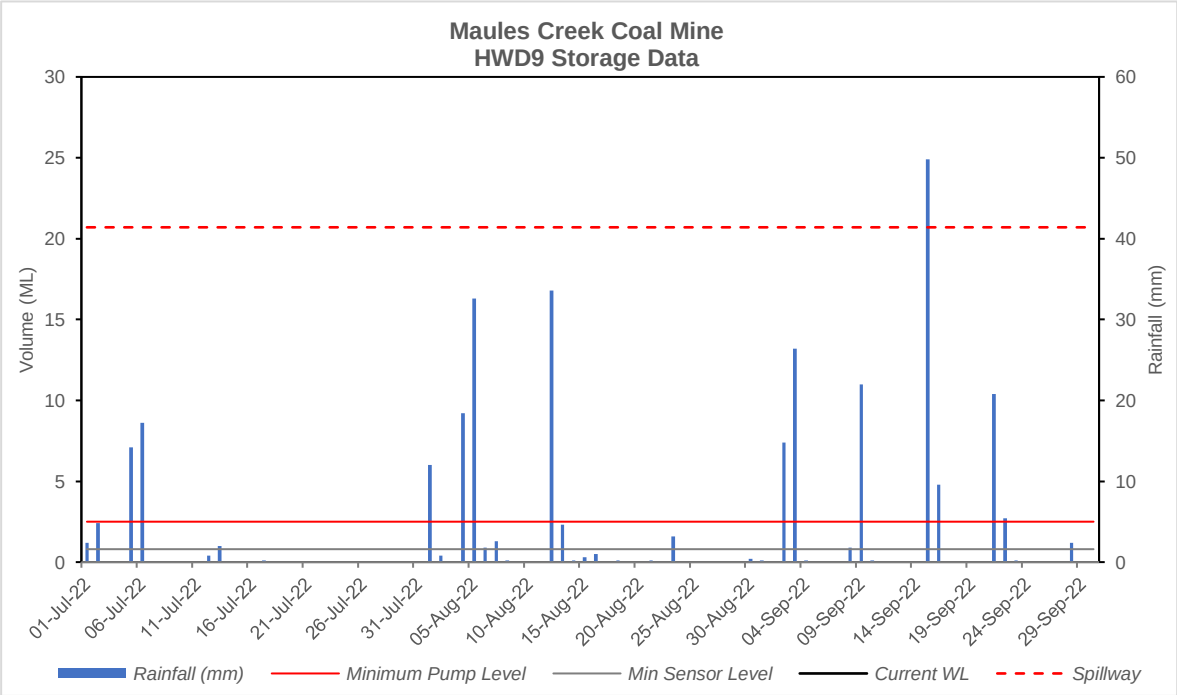
Dam Name **HWD9**

Latest field data				ML
pH			Minimum sensor level	0.8
EC	us/cm		Minimum pump level	2.5
TSS	mg/L		Spillway	20.1
OG	mg/L		Current level	<0.1

Notes

HWD9 had no inflows over the reporting period. The water level is below the minimum operating level of the dams equipment and there is insufficient water to take a water quality sample from

HWD Recorded Data



Latest Photo - 29/09/2022

Quarterly data									
Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
1/07/2022	2.4	0	0	0	0	0	0	0	0
2/07/2022	4.8	0	0	0	0	0	0	0	0
3/07/2022	0	0	0	0	0	0	0	0	0
4/07/2022	0	0	0	0	0	0	0	0	0
5/07/2022	14.2	0	0	0	0	0	0	0	0
6/07/2022	17.2	0	0	0	0	0	0	0	0
7/07/2022	0	0	0	0	0	0	0	0	0
8/07/2022	0	0	0	0	0	0	0	0	0
9/07/2022	0	0	0	0	0	0	0	0	0
10/07/2022	0	0	0	0	0	0	0	0	0
11/07/2022	0	0	0	0	0	0	0	0	0
12/07/2022	0.8	0	0	0	0	0	0	0	0
13/07/2022	2.0	0	0	0	0	0	0	0	0
14/07/2022	0	0	0	0	0	0	0	0	0
15/07/2022	0	0	0	0	0	0	0	0	0
16/07/2022	0	0	0	0	0	0	0	0	0
17/07/2022	0.2	0	0	0	0	0	0	0	0
18/07/2022	0	0	0	0	0	0	0	0	0
19/07/2022	0	0	0	0	0	0	0	0	0
20/07/2022	0	0	0	0	0	0	0	0	0
21/07/2022	0	0	0	0	0	0	0	0	0
22/07/2022	0	0	0	0	0	0	0	0	0
23/07/2022	0	0	0	0	0	0	0	0	0
24/07/2022	0	0	0	0	0	0	0	0	0
25/07/2022	0	0	0	0	0	0	0	0	0
26/07/2022	0	0	0	0	0	0	0	0	0
27/07/2022	0	0	0	0	0	0	0	0	0
28/07/2022	0	0	0	0	0	0	0	0	0
29/07/2022	0	0	0	0	0	0	0	0	0
30/07/2022	0	0	0	0	0	0	0	0	0
31/07/2022	0	0	0	0	0	0	0	0	0
1/08/2022	12.0	0	0	0	0	0	0	0	0
2/08/2022	0.8	0	0	0	0	0	0	0	0
3/08/2022	0	0	0	0	0	0	0	0	0
4/08/2022	18.4	0	0	0	0	0	0	0	0
5/08/2022	32.6	0	0	0	0	0	0	0	0
6/08/2022	1.8	0	0	0	0	0	0	0	0
7/08/2022	2.6	0	0	0	0	0	0	0	0
8/08/2022	0.2	0	0	0	0	0	0	0	0
9/08/2022	0	0	0	0	0	0	0	0	0
10/08/2022	0	0	0	0	0	0	0	0	0
11/08/2022	0	0	0	0	0	0	0	0	0
12/08/2022	33.6	0	0	0	0	0	0	0	0
13/08/2022	4.6	0	0	0	0	0	0	0	0
14/08/2022	0.2	0	0	0	0	0	0	0	0
15/08/2022	0.6	0	0	0	0	0	0	0	0
16/08/2022	1.0	0	0	0	0	0	0	0	0
17/08/2022	0	0	0	0	0	0	0	0	0
18/08/2022	0.2	0	0	0	0	0	0	0	0
19/08/2022	0	0	0	0	0	0	0	0	0
20/08/2022	0	0	0	0	0	0	0	0	0
21/08/2022	0.2	0	0	0	0	0	0	0	0
22/08/2022	0	0	0	0	0	0	0	0	0
23/08/2022	3.2	0	0	0	0	0	0	0	0
24/08/2022	0	0	0	0	0	0	0	0	0
25/08/2022	0	0	0	0	0	0	0	0	0
26/08/2022	0	0	0	0	0	0	0	0	0
27/08/2022	0	0	0	0	0	0	0	0	0
28/08/2022	0	0	0	0	0	0	0	0	0

Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
29/08/2022	0	0	0	0	0	0	0	0	0
30/08/2022	0.4	0	0	0	0	0	0	0	0
31/08/2022	0.2	0	0	0	0	0	0	0	0
1/09/2022	0	0	0	0	0	0	0	0	0
2/09/2022	14.8	0	0	0	0	0	0	0	0
3/09/2022	26.4	0	0	0	0	0	0	0	0
4/09/2022	0.2	0	0	0	0	0	0	0	0
5/09/2022	0	0	0	0	0	0	0	0	0
6/09/2022	0	0	0	0	0	0	0	0	0
7/09/2022	0	0	0	0	0	0	0	0	0
8/09/2022	1.8	0	0	0	0	0	0	0	0
9/09/2022	22.0	0	0	0	0	0	0	0	0
10/09/2022	0.2	0	0	0	0	0	0	0	0
11/09/2022	0	0	0	0	0	0	0	0	0
12/09/2022	0	0	0	0	0	0	0	0	0
13/09/2022	0	0	0	0	0	0	0	0	0
14/09/2022	0	0	0	0	0	0	0	0	0
15/09/2022	49.8	0	0	0	0	0	0	0	0
16/09/2022	9.6	0	0	0	0	0	0	0	0
17/09/2022	0	0	0	0	0	0	0	0	0
18/09/2022	0	0	0	0	0	0	0	0	0
19/09/2022	0	0	0	0	0	0	0	0	0
20/09/2022	0	0	0	0	0	0	0	0	0
21/09/2022	20.8	0	0	0	0	0	0	0	0
22/09/2022	5.4	0	0	0	0	0	0	0	0
23/09/2022	0.2	0	0	0	0	0	0	0	0
24/09/2022	0	0	0	0	0	0	0	0	0
25/09/2022	0	0	0	0	0	0	0	0	0
26/09/2022	0	0	0	0	0	0	0	0	0
27/09/2022	0	0	0	0	0	0	0	0	0
28/09/2022	2.4	0	0	0	0	0	0	0	0
29/09/2022	0	0	0	0	0	0	0	0	0
30/09/2022	0	0	0	0	0	0	0	0	0

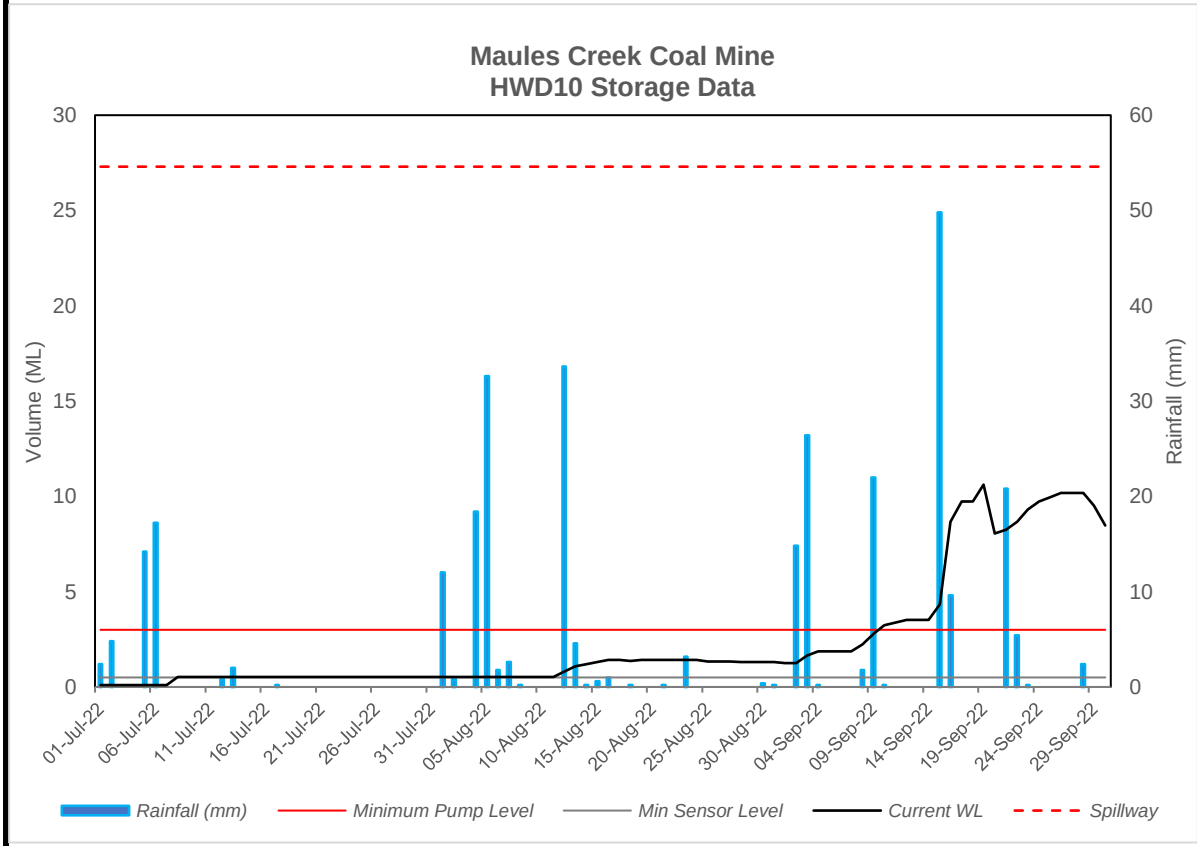
Data range of report	1/07/2022 to 30/09/2022	Rainfall Depth (mm)	307.8

Dam Name **HWD10**

Latest field data				ML
pH		6.99	Minimum sensor level	0..5
EC	**us/cm**	150	Minimum pump level	3.0
TSS	**mg/L**	7	Spillway	27.3
OG	**mg/L**	<5	Current level	8.5

Notes

16.4 ML of inflows compared to 8.3 ML pumped to the receiving environment. Pumping has continued into October



Latest Photo - 29/09/2022

Quarterly data									
Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receiving environment (ML)	pH	EC	TSS	Oil and Grease
1/07/2022	2.4	0	0	0	0	0	0	0	0
2/07/2022	4.8	0	0	0	0	0	0	0	0
3/07/2022	0.0	0	0	0	0	0	0	0	0
4/07/2022	0.0	0	0	0	0	0	0	0	0
5/07/2022	14.2	0	0	0	0	0	0	0	0
6/07/2022	17.2	0	0	0	0	0	0	0	0
7/07/2022	0.0	0	0	0	0	0	0	0	0
8/07/2022	0.0	0	0	0	0	0	0	0	0
9/07/2022	0.0	0	0	0	0	0	0	0	0
10/07/2022	0.0	0	0	0	0	0	0	0	0
11/07/2022	0.0	0	0	0	0	0	0	0	0
12/07/2022	0.8	0	0	0	0	0	0	0	0
13/07/2022	2.0	0	0	0	0	0	0	0	0
14/07/2022	0.0	0	0	0	0	0	0	0	0
15/07/2022	0.0	0	0	0	0	0	0	0	0
16/07/2022	0.0	0	0	0	0	0	0	0	0
17/07/2022	0.2	0	0	0	0	0	0	0	0
18/07/2022	0.0	0	0	0	0	0	0	0	0
19/07/2022	0.0	0	0	0	0	0	0	0	0
20/07/2022	0.0	0	0	0	0	0	0	0	0
21/07/2022	0.0	0	0	0	0	0	0	0	0
22/07/2022	0.0	0	0	0	0	0	0	0	0
23/07/2022	0.0	0	0	0	0	0	0	0	0
24/07/2022	0.0	0	0	0	0	0	0	0	0
25/07/2022	0.0	0	0	0	0	0	0	0	0
26/07/2022	0.0	0	0	0	0	0	0	0	0
27/07/2022	0.0	0	0	0	0	0	0	0	0
28/07/2022	0.0	0	0	0	0	0	0	0	0
29/07/2022	0.0	0	0	0	0	0	0	0	0
30/07/2022	0.0	0	0	0	0	0	0	0	0
31/07/2022	0.0	0	0	0	0	0	0	0	0
1/08/2022	12.0	0	0	0	0	0	0	0	0
2/08/2022	0.8	0	0	0	0	0	0	0	0
3/08/2022	0.0	0	0	0	0	0	0	0	0
4/08/2022	18.4	0	0	0	0	0	0	0	0
5/08/2022	32.6	0	0	0	0	0	0	0	0
6/08/2022	1.8	0	0	0	0	0	0	0	0
7/08/2022	2.6	0	0	0	0	0	0	0	0
8/08/2022	0.2	0	0	0	0	0	0	0	0
9/08/2022	0.0	0	0	0	0	0	0	0	0
10/08/2022	0.0	0	0	0	0	0	0	0	0
11/08/2022	0.0	0	0	0	0	0	0	0	0
12/08/2022	33.6	0.3	0	0	0	0	0	0	0
13/08/2022	4.6	0.3	0	0	0	0	0	0	0
14/08/2022	0.2	0.1	0	0	0	0	0	0	0
15/08/2022	0.6	0.1	0	0	0	0	0	0	0
16/08/2022	1.0	0.1	0	0	0	0	0	0	0
17/08/2022	0.0	0	0	0	0	0	0	0	0
18/08/2022	0.2	0	0	0	0	0	0	0	0
19/08/2022	0.0	0	0	0	0	0	0	0	0
20/08/2022	0.0	0	0	0	0	0	0	0	0
21/08/2022	0.2	0	0	0	0	0	0	0	0
22/08/2022	0.0	0	0	0	0	0	0	0	0
23/08/2022	3.2	0	0	0	0	0	0	0	0
24/08/2022	0.0	0	0	0	0	0	0	0	0
25/08/2022	0.0	0	0	0	0	0	0	0	0
26/08/2022	0.0	0	0	0	0	0	0	0	0
27/08/2022	0.0	0	0	0	0	0	0	0	0
28/08/2022	0.0	0	0	0	0	0	0	0	0

Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
29/08/2022	0.0	0	0	0	0	0	0	0	0
30/08/2022	0.4	0	0	0	0	0	0	0	0
31/08/2022	0.2	0	0	0	0	0	0	0	0
1/09/2022	0.0	0	0	0	0	0	0	0	0
2/09/2022	14.8	0	0	0	0	0	0	0	0
3/09/2022	26.4	0.4	0	0	0	0	0	0	0
4/09/2022	0.2	0.2	0	0	0	0	0	0	0
5/09/2022	0.0	0.1	0	0	0	0	0	0	0
6/09/2022	0.0	0.1	0	0	0	0	0	0	0
7/09/2022	0.0	0.1	0	0	0	0	0	0	0
8/09/2022	1.8	0	0	0	0	0	0	0	0
9/09/2022	22.0	0.5	0	0	0	0	0	0	0
10/09/2022	0.2	0.4	0	0	0	0	0	0	0
11/09/2022	0.0	0.1	0	0	0	0	0	0	0
12/09/2022	0.0	0.2	0	0	0	0	0	0	0
13/09/2022	0.0	0	0	0	0	0	0	0	0
14/09/2022	0.0	0	0	0	0	0	0	0	0
15/09/2022	49.8	0.8	0	0	0	0	0	0	0
16/09/2022	9.6	4.4	0	0	0	7.05	125	140	<5
17/09/2022	0.0	1.1	0	0	0	0	0	0	0
18/09/2022	0.0	0	0	0	0	0	0	0	0
19/09/2022	0.0	0.9	0	0	0	6.74	150	22	<10
20/09/2022	0.0	0.6	3.2	0	3.2	0	0	0	0
21/09/2022	20.8	0.2	0	0	0	0	0	0	0
22/09/2022	5.4	0.4	0	0	0	7.02	170	28	<5
23/09/2022	0.2	0.6	0	0	0	0	0	0	0
24/09/2022	0.0	0.4	0	0	0	0	0	0	0
25/09/2022	0.0	0.2	0	0	0	0	0	0	0
26/09/2022	0.0	0.2	0	0	0	6.99	150	7	<5
27/09/2022	0.0	0	0	0	0	0	0	0	0
28/09/2022	2.4	0.9	0.9	0	0.9	0	0	0	0
29/09/2022	0.0	1.0	1.7	0	1.7	0	0	0	0
30/09/2022	0.0	1.4	2.5	0	2.5	0	0	0	0

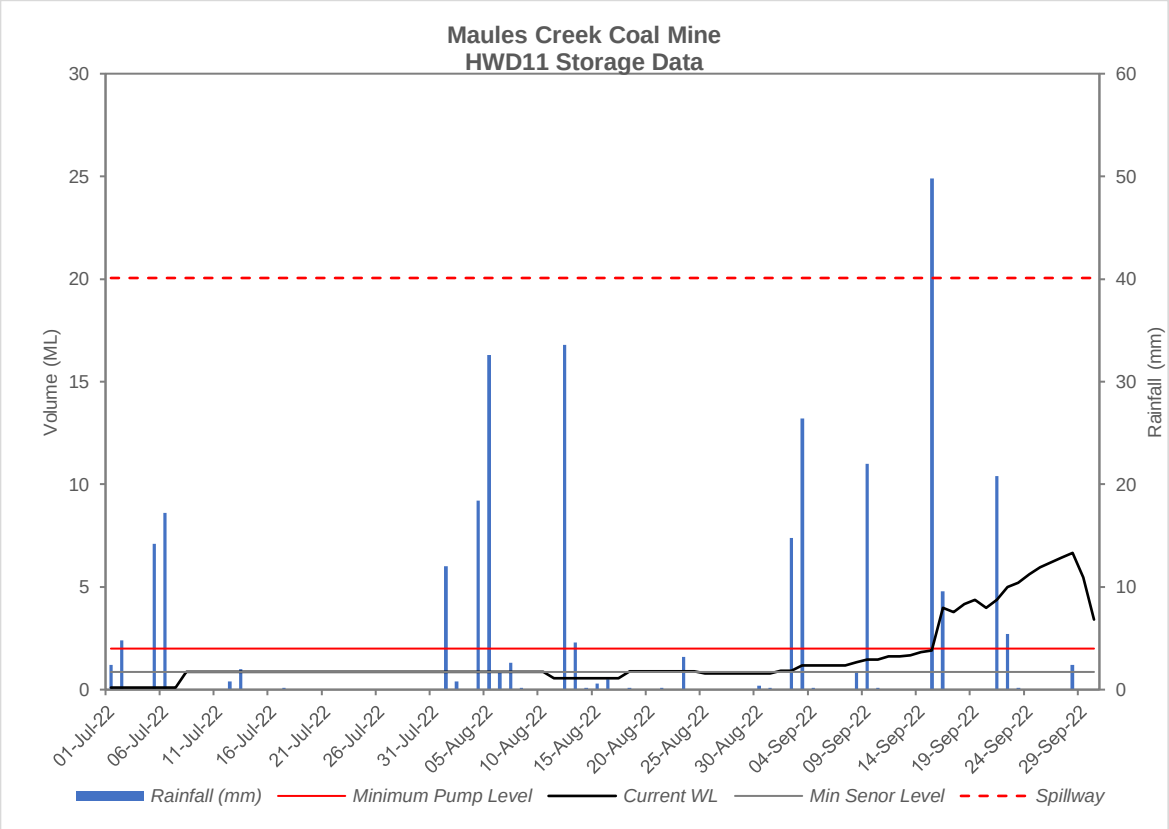
Data range of report	1/7/2022 to 30/09/2022	Rainfall Depth (mm)	307.8

Dam Name **HWD11**

Latest field data				ML
pH		6.81	Minimum sensor level	0.9
EC	**us/cm**	110	Minimum pump level	2.0
TSS	**mg/L**	18	Spillway	20.1
OG	**mg/L**	<5	Current level	3.4

Notes

14 ML of inflows compared to 11 ML pumped to the receiving environment.



Latest Photo - 29/09/2022

Quarterly data									
Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
1/07/2022	2.4	0	0	0	0	0	0	0	0
2/07/2022	4.8	0	0	0	0	0	0	0	0
3/07/2022	0	0	0	0	0	0	0	0	0
4/07/2022	0	0	0	0	0	0	0	0	0
5/07/2022	14.2	0	0	0	0	0	0	0	0
6/07/2022	17.2	0	0	0	0	0	0	0	0
7/07/2022	0	0	0	0	0	0	0	0	0
8/07/2022	0	0	0	0	0	0	0	0	0
9/07/2022	0	0	0	0	0	0	0	0	0
10/07/2022	0	0	0	0	0	0	0	0	0
11/07/2022	0	0	0	0	0	0	0	0	0
12/07/2022	0.8	0	0	0	0	0	0	0	0
13/07/2022	2	0	0	0	0	0	0	0	0
14/07/2022	0	0	0	0	0	0	0	0	0
15/07/2022	0	0	0	0	0	0	0	0	0
16/07/2022	0	0	0	0	0	0	0	0	0
17/07/2022	0.2	0	0	0	0	0	0	0	0
18/07/2022	0	0	0	0	0	0	0	0	0
19/07/2022	0	0	0	0	0	0	0	0	0
20/07/2022	0	0	0	0	0	0	0	0	0
21/07/2022	0	0	0	0	0	0	0	0	0
22/07/2022	0	0	0	0	0	0	0	0	0
23/07/2022	0	0	0	0	0	0	0	0	0
24/07/2022	0	0	0	0	0	0	0	0	0
25/07/2022	0	0	0	0	0	0	0	0	0
26/07/2022	0	0	0	0	0	0	0	0	0
27/07/2022	0	0	0	0	0	0	0	0	0
28/07/2022	0	0	0	0	0	0	0	0	0
29/07/2022	0	0	0	0	0	0	0	0	0
30/07/2022	0	0	0	0	0	0	0	0	0
31/07/2022	0	0	0	0	0	0	0	0	0
1/08/2022	12	0	0	0	0	0	0	0	0
2/08/2022	0.8	0	0	0	0	0	0	0	0
3/08/2022	0	0	0	0	0	0	0	0	0
4/08/2022	18.4	0	0	0	0	0	0	0	0
5/08/2022	32.6	0.5	0	0	0	0	0	0	0
6/08/2022	1.8	0	0	0	0	0	0	0	0
7/08/2022	2.6	0	0	0	0	0	0	0	0
8/08/2022	0.2	0	0	0	0	0	0	0	0
9/08/2022	0	0	0	0	0	0	0	0	0
10/08/2022	0	0	0	0	0	0	0	0	0
11/08/2022	0	0	0	0	0	0	0	0	0
12/08/2022	33.6	0.5	0	0	0	0	0	0	0
13/08/2022	4.6	0	0	0	0	0	0	0	0
14/08/2022	0.2	0	0	0	0	0	0	0	0
15/08/2022	0.6	0	0	0	0	0	0	0	0
16/08/2022	1	0	0	0	0	0	0	0	0
17/08/2022	0	0	0	0	0	0	0	0	0
18/08/2022	0.2	0	0	0	0	0	0	0	0
19/08/2022	0	0	0	0	0	0	0	0	0
20/08/2022	0	0	0	0	0	0	0	0	0
21/08/2022	0.2	0	0	0	0	0	0	0	0
22/08/2022	0	0	0	0	0	0	0	0	0
23/08/2022	3.2	0	0	0	0	0	0	0	0
24/08/2022	0	0	0	0	0	0	0	0	0
25/08/2022	0	0	0	0	0	0	0	0	0
26/08/2022	0	0	0	0	0	0	0	0	0
27/08/2022	0	0	0	0	0	0	0	0	0
28/08/2022	0	0	0	0	0	0	0	0	0

Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
29/08/2022	0	0	0	0	0	0	0	0	0
30/08/2022	0.4	0	0	0	0	0	0	0	0
31/08/2022	0.2	0	0	0	0	0	0	0	0
1/09/2022	0	0	0	0	0	0	0	0	0
2/09/2022	14.8	0	0	0	0	0	0	0	0
3/09/2022	26.4	0.3	0	0	0	0	0	0	0
4/09/2022	0.2	0	0	0	0	0	0	0	0
5/09/2022	0	0	0	0	0	0	0	0	0
6/09/2022	0	0	0	0	0	0	0	0	0
7/09/2022	0	0	0	0	0	0	0	0	0
8/09/2022	1.8	0	0	0	0	0	0	0	0
9/09/2022	22	0.3	0	0	0	0	0	0	0
10/09/2022	0.2	0	0	0	0	0	0	0	0
11/09/2022	0	0.1	0	0	0	0	0	0	0
12/09/2022	0	0	0	0	0	0	0	0	0
13/09/2022	0	0.1	0	0	0	0	0	0	0
14/09/2022	0	0.1	0	0	0	0	0	0	0
15/09/2022	49.8	0.5	0	0	0	0	0	0	0
16/09/2022	9.6	1.7	0	0	0	7.12	282	102	<5
17/09/2022	0	2.8	3.0	0	3.0	0	0	0	0
18/09/2022	0	1.3	0.9	0	0.9	0	0	0	0
19/09/2022	0	0.2	0	0	0	6.82	180	21	<10
20/09/2022	0	0.5	0.9	0	0.9	0	0	0	0
21/09/2022	20.8	0.6	0.2	0	0	0	0	0	0
22/09/2022	5.4	0.3	0	0	0	6.81	120	16	<5
23/09/2022	0.2	0.5	0	0	0	0	0	0	0
24/09/2022	0	0.4	0	0	0	0	0	0	0
25/09/2022	0	0.3	0	0	0	0	0	0	0
26/09/2022	0	0.2	0	0	0	6.81	110	18	<5
27/09/2022	0	0.2	0	0	0	0	0	0	0
28/09/2022	2.4	0.2	0	0	0	0	0	0	0
29/09/2022	0	0.9	1.9	0	1.9	0	0	0	0
30/09/2022	0	1.7	3.9	0	3.9	0	0	0	0

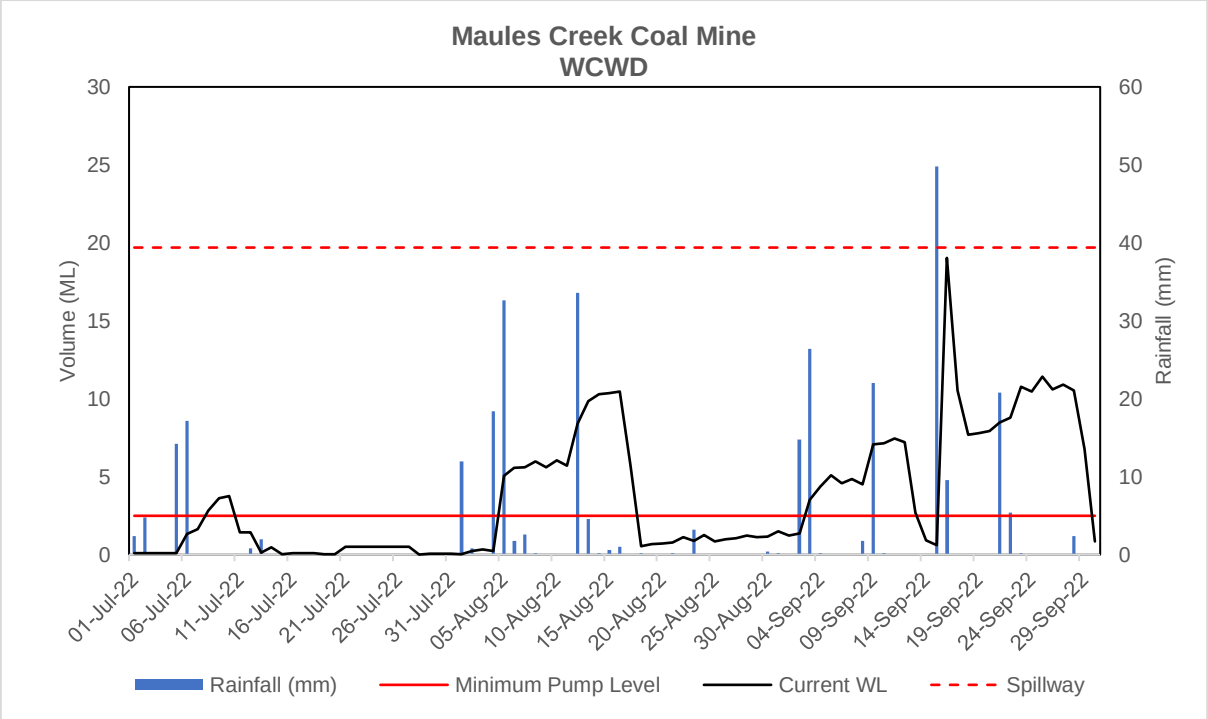
Data range of report	1/07/2022 to 30/09/2022	Rainfall Depth (mm)	307.8

Dam Name **WCWD**

Latest field data				ML
pH		8.66	Minimum sensor level	0.4
EC	**us/cm**	500	Minimum pump level	3.8
TSS	**mg/L**	16	Spillway	20.0
OG	**mg/L**	<10	Current level	3.0

Notes

47.95 ML of inflows compared to 40.7 ML outflows and 11.4 ML pumped to the receiving environment. WCWD was dewatered interally due to high pH and EC. A pH dosing system shall be installed to counter high bicabonates



Latest Photo - 29/09/2022

Quarterly data									
Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
1/07/2022	2.4	0	0	0	0	0	0	0	0
2/07/2022	4.8	0	0	0	0	0	0	0	0
3/07/2022	0	0	0	0	0	0	0	0	0
4/07/2022	0	0	0	0	0	0	0	0	0
5/07/2022	14.2	0	0	0	0	0	0	0	0
6/07/2022	17.2	1.3	0	0	0	0	0	0	0
7/07/2022	0	1.5	0	0	0	0	0	0	0
8/07/2022	0	0.8	0	0	0	0	0	0	0
9/07/2022	0	0	0	0	0	0	0	0	0
10/07/2022	0	0	0	0	0	0	0	0	0
11/07/2022	0	0	0	0	0	0	0	0	0
12/07/2022	0.8	0.02	0	0	0	0	0	0	0
13/07/2022	2	0.1	0	0	0	0	0	0	0
14/07/2022	0	0	0	0	0	0	0	0	0
15/07/2022	0	0	0	0	0	0	0	0	0
16/07/2022	0	0	0	0	0	0	0	0	0
17/07/2022	0.2	0.05	0	0	0	0	0	0	0
18/07/2022	0	0	0	0	0	0	0	0	0
19/07/2022	0	0	0	0	0	0	0	0	0
20/07/2022	0	0	0	0	0	0	0	0	0
21/07/2022	0	0	0	0	0	0	0	0	0
22/07/2022	0	0	0	0	0	0	0	0	0
23/07/2022	0	0	0	0	0	0	0	0	0
24/07/2022	0	0	0	0	0	0	0	0	0
25/07/2022	0	0	0	0	0	0	0	0	0
26/07/2022	0	0	0	0	0	0	0	0	0
27/07/2022	0	0	0	0	0	0	0	0	0
28/07/2022	0	0	0	0	0	0	0	0	0
29/07/2022	0	0	0	0	0	0	0	0	0
30/07/2022	0	0	0	0	0	0	0	0	0
31/07/2022	0	0	0	0	0	0	0	0	0
1/08/2022	12	0.03	0	0	0	0	0	0	0
2/08/2022	0.8	0.1	0	0	0	0	0	0	0
3/08/2022	0	0.18	0	0	0	0	0	0	0
4/08/2022	18.4	0.3	0	0	0	0	0	0	0
5/08/2022	32.6	4.7	0	0	0	0	0	0	0
6/08/2022	1.8	0.25	0	0	0	0	0	0	0
7/08/2022	2.6	0.1	0	0	0	0	0	0	0
8/08/2022	0.2	0.1	0	0	0	0	0	0	0
9/08/2022	0	0.04	0	0	0	0	0	0	0
10/08/2022	0	0	0	0	0	0	0	0	0
11/08/2022	0	0	0	0	0	0	0	0	0
12/08/2022	33.6	2.7	0	0	0	0	0	0	0
13/08/2022	4.6	1.4	0	0	0	0	0	0	0
14/08/2022	0.2	0.45	0	0	0	0	0	0	0
15/08/2022	0.6	0.05	0	0	0	8.07	600	24	<10
16/08/2022	1	0	5.5	0	5.5	8.01	725	40	<5
17/08/2022	0	0	6	0	6	8.2	749	20	<5
18/08/2022	0.2	0.07	0	0	0	0	0	0	0
19/08/2022	0	0	0	0	0	0	0	0	0
20/08/2022	0	0	0	0	0	0	0	0	0
21/08/2022	0.2	0.07	0	0	0	0	0	0	0
22/08/2022	0	0	0	0	0	0	0	0	0
23/08/2022	3.2	0.05	0	0	0	0	0	0	0
24/08/2022	0	0	0	0	0	0	0	0	0
25/08/2022	0	0	0	0	0	0	0	0	0
26/08/2022	0	0	0	0	0	0	0	0	0
27/08/2022	0	0	0	0	0	0	0	0	0
28/08/2022	0	0	0	0	0	0	0	0	0

Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
29/08/2022	0	0	0	0	0	0	0	0	0
30/08/2022	0.4	0.4	0	0	0	0	0	0	0
31/08/2022	0.2	0.2	0	0	0	0	0	0	0
1/09/2022	0	0.03	0	0	0	0	0	0	0
2/09/2022	14.8	0.14	0	0	0	0	0	0	0
3/09/2022	26.4	2.14	0	0	0	0	0	0	0
4/09/2022	0.2	0.8	0	0	0	0	0	0	0
5/09/2022	0	0.08	0	0	0	8.51	1110	26	<10
6/09/2022	0	0	0	0	0	0	0	0	0
7/09/2022	0	0	0	0	0	0	0	0	0
8/09/2022	1.8	0.05	0	0	0	0	0	0	0
9/09/2022	22	2.2	0	0	0	8.59	1000	11	<10
10/09/2022	0.2	0.25	0	0	0	0	0	0	0
11/09/2022	0	0	0	0	0	0	0	0	0
12/09/2022	0	0	3.9	0	0	Dam dewatered internally due to high pH and EC			
13/09/2022	0	0	2.5	0	0				
14/09/2022	0	0	1.6	0	0				
15/09/2022	49.8	2.07	0	0	0	0	0	0	0
16/09/2022	9.6	22.04	7.8	0	7.8	8.4	204	322	<5
17/09/2022	0	0.2	3.6	0	3.6	0	0	0	0
18/09/2022	0	0	0	0	0	0	0	0	0
19/09/2022	0	0	0	0	0	7.71	390	52	<10
20/09/2022	0	0	0	0	0	0			
21/09/2022	20.8	1.1	0	0	0	0			
22/09/2022	5.4	1.2	0	0	0	8.26	420	21	<5
23/09/2022	0.2	0.4	0	0	0	0	0	0	0
24/09/2022	0	0.24	0	0	0	0	0	0	0
25/09/2022	0	0	0	0	0	0	0	0	0
26/09/2022	0	0	0	0	0	8.66	450	16	<10
27/09/2022	0	0	0	0	0	0	0	0	0
28/09/2022	2.4	0.05	3.2	0	0	Dam dewatered internally due to high pH			
29/09/2022	0	0	6.2	0	0				
30/09/2022	0	0	0.4	0	0				

Data range of report			1/07/2022 to 30/09/2022			Rainfall Depth (mm)		307.8
Parameter	Unit	Tigger	Upstream					
			16/08/2022	17/08/2022	16/09/2022	19/09/2022	28/09/2022	30/09/2022
Discharges			WCWD	WCWD	WCWD, HWD11	HWD10/11	HWD10/11	HWD10/11
pH	pH	6.5-8.3	7.55	8	7.16	7.38	7.5	7.44
EC	µS/cm	250	215	216	105	160	181	190
TDS	mg/L	300	183	279	249	81	246	
Oil and Grease	mg/L	10	<5	<5	<5	<5	<5	<10
Turbidity	NTU	6 to 50	101	93.1	215	97	72.7	57
TSS	mg/L	80	13	5	152	27	14	13
Alkalinity - Bicabonate	mg/L	124	66		38	64	68	
Alkalinity - Carbonate	mg/L	1	<1		<1	<5	<1	
Alkalinity - Hydroxide	mg/L	165	<1		<1	<5	<1	
Alkalinity - Total	mg/L	132	66		38	64	68	
Aluminium	mg/L	3.3	0.5		0.36	3.4	0.17	
Ammonia	mg/L	0.05						
Arsenic (As)	mg/L	0.013				<0.001	<0.0005	
Barium (Ba)	mg/L	1						
Boron	mg/L	0.05	<0.05		<0.05	<0.02	<0.05	
Bromine	mg/L	0.2						
Cadmium (Cd)	mg/L	0.0002	<0.0001		<0.0001	<0.0001	<0.0001	
Calcium (Ca)	mg/L	20	17		8		14	
Chloride (Cl)	mg/L	20	13		4	9	14	
Chromium (Cr)	mg/L	0.006	<0.001		<0.001	0.002	0.002	
Copper (Cu)	mg/L	0.007	0.002		0.001	0.002	0.003	
Iron (Fe)	mg/L	10	0.22		0.2	1.4	0.13	
Lead (Pb)	mg/L	0.0034	<0.001		<0.001	<0.001	0.001	
Lithium	mg/L	0.03						
Magnesium (Mg)	mg/L	10	4				4	
Manganese (Mn)	mg/L	0.1	0.005		0.012	0.017	0.011	
Nickel (Ni)	mg/L	0.011	0.005		0.001	0.004	0.002	
Nitrate as N	mg/L	0.7	3.73	3.25	0.17	0.05	<0.01	
Nitrite as N	mg/L	1	0.16	0.07	0.02	<0.005	<0.01	
Potassium	mg/L	13	10		6	7	7	
Ribidium	mg/L	0.008						
Selenium	mg/L	0.01	<0.01		<0.01	<0.01	<0.01	
Silver	mg/L	0.001	<0.001		<0.001	<0.001	<0.001	
Sodium (Na)	mg/L	30	17			14	17	
Strontium	mg/L	0.25						
Sulphate (SO_4)	mg/L	10	<10		<10		<1	
Total nitrogen (Total N)	mg/L	1.5	1.2	4.8	2.1	0.5	1	
Total phosphorus (Total P)	mg/L	0.3	0.19		0.27	0.1	0.1	
Zinc (Zn)	mg/L	0.03	<0.005		<0.005	0.006	0.01	

Notes

Upstream samples are not impacted by the mine

Sampling procedures are being updated to capture missing parameters

Data range of report			1/07/2022 to 30/09/2022			Rainfall Depth (mm)		307.8
Parameter	Unit	Tigger	Downstream					
			16/08/2022	17/08/2022	16/09/2022	19/09/2022	28/09/2022	30/09/2022
Discharges			WCWD	WCWD	WCWD, HWD11	HWD10/11	HWD10/11	HWD10/11
pH	pH	6.5-8.3	7.67	8.01	7.71	7.54	7.41	7.51
EC	µS/cm	250	213	229	117	190	211	190
TDS	mg/L	300	278	274	241	170	248	84
Oil and Grease	mg/L	10	<5	<5	<10	<10	<5	<10
Turbidity	NTU	6 to 50	97.9	90.8	238	89	60.2	165
TSS	mg/L	80	40	12	104	11	11	21
Alkalinity - Bicabonate	mg/L	124	71		45	76	87	
Alkalinity - Carbonate	mg/L	1	<1		<1	<5	<1	
Alkalinity - Hydroxide	mg/L	165	<1		<1	<5	<1	
Alkalinity - Total	mg/L	132	71		45	76	87	
Aluminium	mg/L	3.3	0.52		0.25	1.4	0.4	
Ammonia	mg/L	0.05						
Arsenic (As)	mg/L	0.013				<0.001	<0.0005	
Barium (Ba)	mg/L	1						
Boron	mg/L	0.05	<0.05		<0.05	0.02	<0.05	
Bromine	mg/L	0.2						
Cadmium (Cd)	mg/L	0.0002	<0.0001		<0.0001	<0.0001	<0.0001	
Calcium (Ca)	mg/L	20	17		9	14	18	
Chloride (Cl)	mg/L	20	16		4	11	15	
Chromium (Cr)	mg/L	0.006	<0.001		<0.001	0.002	<0.001	
Copper (Cu)	mg/L	0.007	0.002		0.001	0.002	<0.001	
Iron (Fe)	mg/L	10	0.23		0.15	0.6	0.21	
Lead (Pb)	mg/L	0.0034	<0.001		<0.001	<0.001	<0.001	
Lithium	mg/L	0.03						
Magnesium (Mg)	mg/L	10	4		2	5	5	
Manganese (Mn)	mg/L	0.1	0.004		0.005	0.012	0.009	
Nickel (Ni)	mg/L	0.011	0.02			0.003	0.002	
Nitrate as N	mg/L	0.7	2.98	3.21	0.29	0.32	0.23	
Nitrite as N	mg/L	1	0.13	0.08	0.02	<0.005	<0.01	
Potassium	mg/L	13	10		7	7	8	
Ribidium	mg/L	0.008						
Selenium	mg/L	0.01	<0.01		<0.01	<0.01	<0.01	
Silver	mg/L	0.001	<0.001		<0.001	<0.001	<0.001	
Sodium (Na)	mg/L	30	17		10	16	19	
Strontium	mg/L	0.25						
Sulphate (SO_4)	mg/L	10	<10		<10	3	<1	
Total nitrogen (Total N)	mg/L	1.5	5.1	4.8	1.9	0.7	1.3	
Total phosphorus (Total P)	mg/L	0.3	0.2	0.14	0.3	0.2	0.11	
Zinc (Zn)	mg/L	0.03	<0.005		<0.005	0.006	0.01	

Notes

Elevated Turbidity - impact from discharges on 16/09/2022 and 30/09/2022 however similar to US

Elevated TSS on 16/09/2022 is lower than the US, discharges are lower than US - no impact

Elevated Nitrate as N is similar to upstream - no impact

Elevated total nitrogan is similar to upstream on 17/08 and 16/09/2022 - no Impact

Data range of report			1/07/2022 to 30/09/2022			Rainfall Depth (mm)		307.8
Parameter	Unit	Tigger	LDP - HWDs					
			16/08/2022	17/08/2022	16/09/2022	19/09/2022	28/09/2022	30/09/2022
Discharges			No	No	Yes	Yes	Yes	Yes
pH	pH	6.5-8.3			7.07	6.97	6.91	6.88
EC	µS/cm	250			268	220	162	120
TDS	mg/L	300			415	170	500	53
Oil and Grease	mg/L	10			<5	<10	<10	<10
Turbidity	NTU	6 to 50			261	224	235	235
TSS	mg/L	80			71	45	11	30
Alkalinity - Bicabonate	mg/L	124			23	25	25	
Alkalinity - Carbonate	mg/L	1			<1	<5	<1	
Alkalinity - Hydroxide	mg/L	165			<1	<5	<1	
Alkalinity - Total	mg/L	132			23	25	25	
Aluminium	mg/L	3.3			0.26	10	3.69	
Ammonia	mg/L	0.05						
Arsenic (As)	mg/L	0.013				<1	<0.0005	
Barium (Ba)	mg/L	1						
Boron	mg/L	0.05			<0.05	<0.02	<0.05	
Bromine	mg/L	0.2						
Cadmium (Cd)	mg/L	0.0002			<0.001	<0.001	<0.0001	
Calcium (Ca)	mg/L	20			18	14	10	
Chloride (Cl)	mg/L	20			16	15	18	
Chromium (Cr)	mg/L	0.006			<0.001	0.005	0.002	
Copper (Cu)	mg/L	0.007			0.002	0.003	0.003	
Iron (Fe)	mg/L	10			0.17	3	1.04	
Lead (Pb)	mg/L	0.0034			<0.001	<0.001	0.004	
Lithium	mg/L	0.03						
Magnesium (Mg)	mg/L	10			7	6	4	
Manganese (Mn)	mg/L	0.1			0.021	0.022	0.043	
Nickel (Ni)	mg/L	0.011			0.003	0.006	0.005	
Nitrate as N	mg/L	0.7			0.3	0.13	0.1	
Nitrite as N	mg/L	1			<0.01	0.007	<0.01	
Potassium	mg/L	13			5	5	4	
Ribidium	mg/L	0.008						
Selenium	mg/L	0.01			<0.01	<0.01	<0.01	
Silver	mg/L	0.001			<0.001	<0.001	<0.001	
Sodium (Na)	mg/L	30			20	18	16	
Strontium	mg/L	0.25						
Sulphate (SO_4)	mg/L	10			66	44	26	
Total nitrogen (Total N)	mg/L	1.5			1.8	0.7	1.9	
Total phosphorus (Total P)	mg/L	0.3			0.22	0.1	0.22	
Zinc (Zn)	mg/L	0.03			0.017	0.01	0.02	

Notes

Data range of report			1/07/2022 to 30/09/2022		Rainfall Depth (mm)		307.8	
Parameter	Unit	Tigger	LDP - WCWD					
			16/08/2022	17/08/2022	16/09/2022	19/09/2022	28/09/2022	
Discharges			Yes	Yes	Yes	No	Yes	
pH	pH	6.5-8.3	8.01	8.2	7.71			
EC	µS/cm	250	725	749	258			
TDS	mg/L	300	418	404	326			
Oil and Grease	mg/L	10	<5	<5	<5			
Turbidity	NTU	6 to 50	55.7	35.1	513			
TSS	mg/L	80	40	20	322			
Alkalinity - Bicabonate	mg/L	124	182		86			
Alkalinity - Carbonate	mg/L	1	<1		<1			
Alkalinity - Hydroxide	mg/L	165	<1		<1			
Alkalinity - Total	mg/L	132	182		86			
Aluminium	mg/L	3.3	0.08		0.12			
Ammonia	mg/L	0.05						
Arsenic (As)	mg/L	0.013						
Barium (Ba)	mg/L	1						
Boron	mg/L	0.05	0.05		<0.05			
Bromine	mg/L	0.2						
Cadmium (Cd)	mg/L	0.0002	<0.0001		<0.0001			
Calcium (Ca)	mg/L	20	21		11			
Chloride (Cl)	mg/L	20	89		16			
Chromium (Cr)	mg/L	0.006	<0.001		<0.001			
Copper (Cu)	mg/L	0.007	0.002		0.002			
Iron (Fe)	mg/L	10	0.07		0.07			
Lead (Pb)	mg/L	0.0034	<0.001		<0.001			
Lithium	mg/L	0.03						
Magnesium (Mg)	mg/L	10	10		4			
Manganese (Mn)	mg/L	0.1	0.009		0.003			
Nickel (Ni)	mg/L	0.011			<0.001			
Nitrate as N	mg/L	0.7	0.15	0.08	0.24			
Nitrite as N	mg/L	1	<0.01	0.01	0.02			
Potassium	mg/L	13	4		4			
Ribidium	mg/L	0.008						
Selenium	mg/L	0.01	<0.01		<0.01			
Silver	mg/L	0.001	<0.001		<0.001			
Sodium (Na)	mg/L	30	107		33			
Strontium	mg/L	0.25						
Sulphate (SO_4)	mg/L	10	42		10			
Total nitrogen (Total N)	mg/L	1.5	1.2	0.9	1.5			
Total phosphorus (Total P)	mg/L	0.3	0.22	0.63	0.65			
Zinc (Zn)	mg/L	0.03	0.015		<0.005			

Notes