Data range of report	1/01/2025 to 31/03/2025	Rainfall Depth (mm)	284.6

Dam Name **HWD8**

Latest field data			ML
pH		Minimum sensor level	
EC	us/cm	Minimum pump level	
TSS	mg/L	Spillway	
OG	mg/L	Current level	

Notes

In accordance with the approved Water Management Plan, the catchment of HWD8 has been disturbed as part of mine progression and HWD8 is no longer a clean water dam

HWD Recorded Data

Data range of report	1/01/2025 to 31/03/2025	Rainfall Depth (mm)	284.6

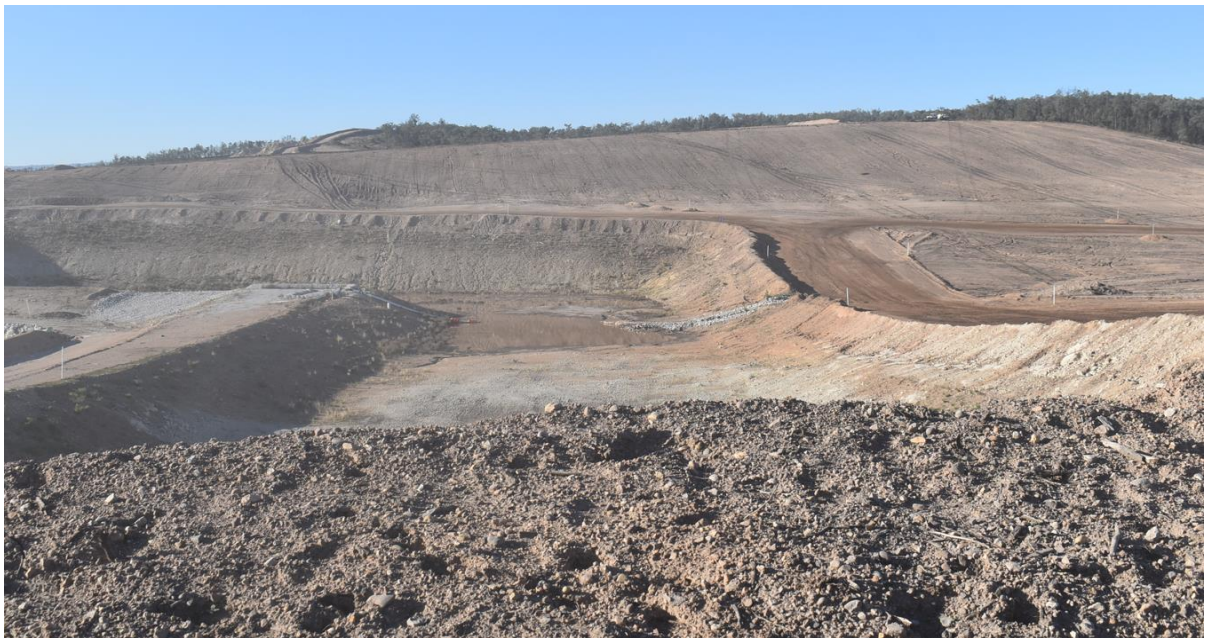
Dam Name **HWD9**

Latest field data				ML
pH			Minimum sensor level	
EC	us/cm		Minimum pump level	
TSS	mg/L		Spillway	
OG	mg/L		Current level	

Notes

In accordance with the approved Water Management Plan, the catchment of HWD9 has been disturbed as part of mine progression and HWD9 is no longer a clean water dam

HWD Recorded Data



Data range of report	1/01/2025 to 31/03/2025	Rainfall Depth (mm)	284.6

Dam Name **HWD10**

Latest field data				
pH			Minimum sensor level	
EC	**us/cm**		Minimum pump level	
TSS	**mg/L**		Spillway	
OG	**mg/L**		Current level	

Notes

In accordance with the approved Water Management Plan, the catchment of HWD10 has been disturbed as part of mine progression and HWD10 is no longer a clean water dam

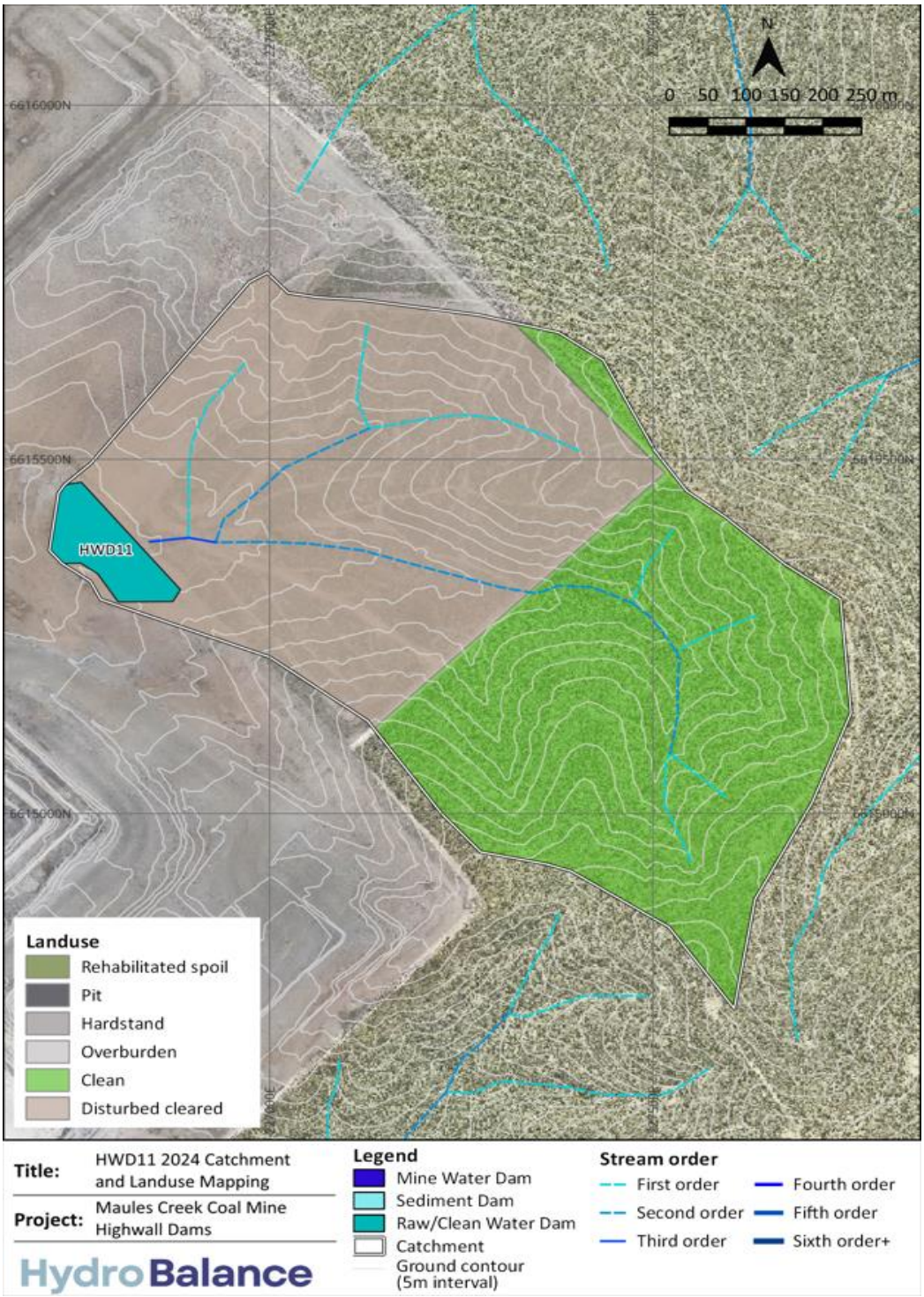
Data range of report	1/01/2025 to 31/03/2025	Rainfall Depth (mm)	284.6

Dam Name **HWD11**

Latest field data				ML
pH			Minimum sensor level	
EC	us/cm		Minimum pump level	
TSS	mg/L		Spillway	
OG	mg/L		Current level	

Notes

In accordance with the approved Water Management Plan, the catchment of HWD11 has been disturbed as part of mine progression and HWD11 is no longer a clean water dam



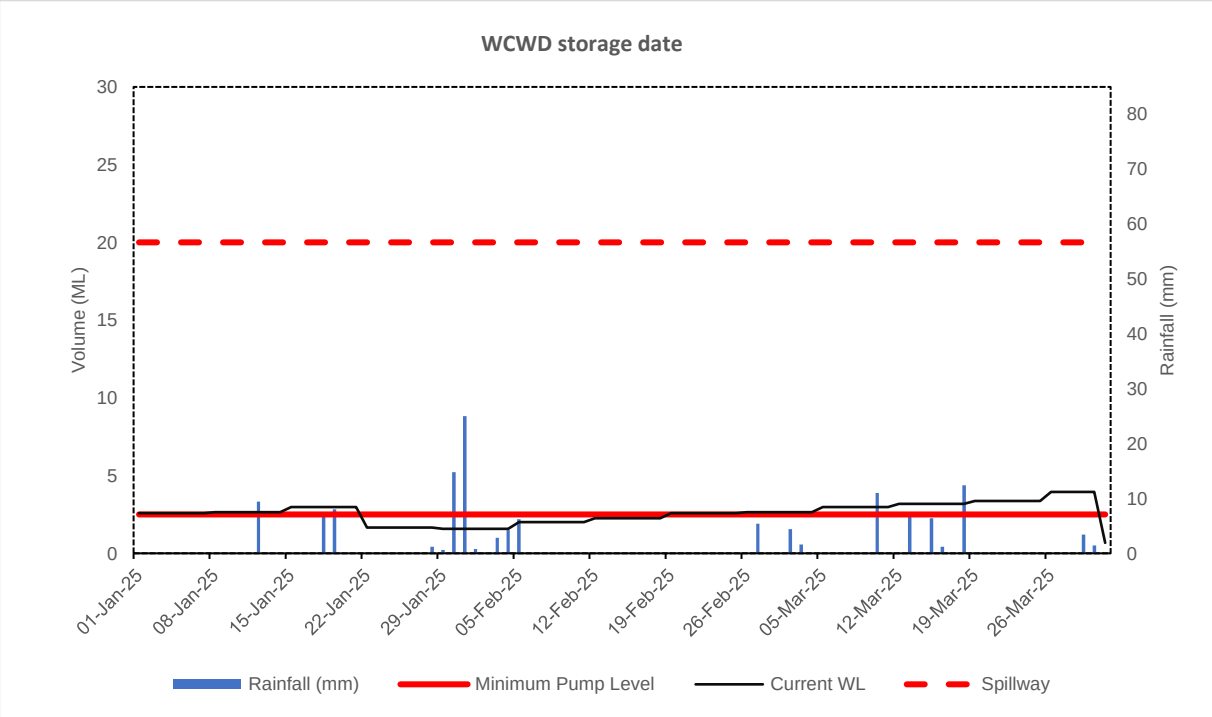
Data range of report	1/01/2025 to 31/03/2025	Rainfall Depth (mm)	284.6

Dam Name **WCWD**

Latest field data				ML
pH		8.2	Minimum sensor level	0.4
EC	us/cm	320	Minimum pump level	3.8
TSS	mg/L	38	Spillway	20.0
OG	mg/L	31	Current level	0.7

Notes

2.9 ML of inflows compared to 1.4 ML pumped to site as water quality exceeded EPL conditions. And 22.7ML pumped discharged as water quality and rainfall amount met EPL conditions.



Latest Photo

Quarterly data									
Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receiving environment (ML)	pH	EC	TSS	Oil and Grease
1/01/2025	0	0.3							
2/01/2025	0								
3/01/2025	0								
4/01/2025	0								
5/01/2025	0								
6/01/2025	0								
7/01/2025	11								
8/01/2025	0	0.1							
9/01/2025	0					9.13	3620	110	5
10/01/2025	6.8								
11/01/2025	0								
12/01/2025	6.4								
13/01/2025	1.2								
14/01/2025	0								
15/01/2025	12.4	0.3							
16/01/2025	0.2								
17/01/2025	0.2								
18/01/2025	0								
19/01/2025	0								
20/01/2025	0								
21/01/2025	0								
22/01/2025	0		1.3						
23/01/2025	0								
24/01/2025	0								
25/01/2025	0								
26/01/2025	3.4								
27/01/2025	1.4								
28/01/2025	0								
29/01/2025	12.4		0.1						
30/01/2025	3.2								
31/01/2025	0								
1/02/2025	0								
2/02/2025	0								
3/02/2025	0								
4/02/2025	0								
5/02/2025	0	0.4							
6/02/2025	0.6								
7/02/2025	0								
8/02/2025	0								
9/02/2025	1								
10/02/2025	8								
11/02/2025	1.6								
12/02/2025	2	0.3							
13/02/2025	6.8					8.83	3760	40	18
14/02/2025	6.6								
15/02/2025	2.4								
16/02/2025	0								
17/02/2025	0								
18/02/2025	0								
19/02/2025	0	0.3							
20/02/2025	2								
21/02/2025	0								
22/02/2025	0								
23/02/2025	0								
24/02/2025	0								
25/02/2025	0								
26/02/2025	0	0.1							
27/02/2025	0								
28/02/2025	0								

Date	Rainfall (mm)	Inflow (ML)	Pumped (ML)	Spilled (ML)	Receicing environment (ML)	pH	EC	TSS	Oil and Grease
1/03/2025	0.0								
2/03/2025	0.0								
3/03/2025	0.0								
4/03/2025	0.0								
5/03/2025	0.0	0.3							
6/03/2025	0.0								
7/03/2025	0.0								
8/03/2025	0.0								
9/03/2025	0.0								
10/03/2025	8.8					8.86	2810	26	5
11/03/2025	5.0								
12/03/2025	0.0								
13/03/2025	0.0								
14/03/2025	0.0								
15/03/2025	0.0								
16/03/2025	0.0								
17/03/2025	0.0								
18/03/2025	0.0								
19/03/2025	0.0	0.2							
20/03/2025	0.0								
21/03/2025	39.2								
22/03/2025	0.4								
23/03/2025	0.0								
24/03/2025	3.8								
25/03/2025	0.8					8.73	3720	36	31
26/03/2025	1.4	0.6							
27/03/2025	1.2								
28/03/2025	43.4								
29/03/2025	91.0					7.92	1.04	38	
30/03/2025	0.0		22.7						
31/03/2025	0.0								

Data range of report			1/10/2024 to 31/12/2024			Rainfall Depth (mm)		284.6
Parameter	Unit	Tigger	Upstream					
			29/03/2025					
Discharges			WCWD					
pH	pH	6.5-8.3	6.63					
EC	µS/cm	250	80					
TDS	mg/L	300	35.7					
Oil and Grease	mg/L	10	<5					
Turbidity	NTU	6 to 50	**220**					
TSS	mg/L	80	**230**					
Alkalinity - Bicabonate	mg/L	124	24					
Alkalinity - Carbonate	mg/L	1	<5					
Alkalinity - Hydroxide	mg/L	165	<5					
Alkalinity - Total	mg/L	132	24					
Aluminium	mg/L	3.3	1.9					
Ammonia	mg/L	0.05	0.036					
Arsenic (As)	mg/L	0.013	<0.01					
Barium (Ba)	mg/L	1	0.063					
Boron	mg/L	0.05	<0.02					
Bromine	mg/L	0.2	0.026					
Cadmium (Cd)	mg/L	0.0002	<0.0001					
Calcium (Ca)	mg/L	20	4					
Chloride (Cl)	mg/L	20	0.006					
Chromium (Cr)	mg/L	0.006	0.002					
Copper (Cu)	mg/L	0.007	0.002					
Iron (Fe)	mg/L	10	1.5					
Lead (Pb)	mg/L	0.0034	0.001					
Lithium	mg/L	0.03	0.001					
Magnesium (Mg)	mg/L	10	0.001					
Manganese (Mn)	mg/L	0.1	0.054					
Nickel (Ni)	mg/L	0.011	0.003					
Nitrate as N	mg/L	0.7	**1.3**					
Nitrite as N	mg/L	1	0.011					
Potassium	mg/L	13	7.1					
Ribidium	mg/L	0.008	0.005					
Selenium	mg/L	0.01	<0.01					
Silver	mg/L	0.001	<0.001					
Sodium (Na)	mg/L	30	0.0059					
Strontium	mg/L	0.25	0.062					
Sulphate (SO_4)	mg/L	10	1					
Total nitrogen (Total N)	mg/L	1.5	**1.9**					
Total phosphorus (Total P)	mg/L	0.3	0.1					
Zinc (Zn)	mg/L	0.03	0.004					

Notes

Upstream samples are not impacted by the mine

Data range of report			1/10/2024 to 31/12/2024			Rainfall Depth (mm)		284.6
Parameter	Unit	Tigger	Downstream					
			29/03/2025					
Discharges			WCWD					
pH	pH	6.5-8.3	6.76					
EC	µS/cm	250	90					
TDS	mg/L	300	35.7					
Oil and Grease	mg/L	10	<5					
Turbidity	NTU	6 to 50	**240**					
TSS	mg/L	80	**307**					
Alkalinity - Bicabonate	mg/L	124	26					
Alkalinity - Carbonate	mg/L	1	<5					
Alkalinity - Hydroxide	mg/L	165	<5					
Alkalinity - Total	mg/L	132	26					
Aluminium	mg/L	3.3	3					
Ammonia	mg/L	0.05	**0.069**					
Arsenic (As)	mg/L	0.013	<0.0001					
Barium (Ba)	mg/L	1	0.069					
Boron	mg/L	0.05	<0.020					
Bromine	mg/L	0.2	0.028					
Cadmium (Cd)	mg/L	0.0002	<0.0001					
Calcium (Ca)	mg/L	20	5					
Chloride (Cl)	mg/L	20	0.001					
Chromium (Cr)	mg/L	0.006	0.005					
Copper (Cu)	mg/L	0.007	0.003					
Iron (Fe)	mg/L	10	2.5					
Lead (Pb)	mg/L	0.0034	0.002					
Lithium	mg/L	0.03	0.002					
Magnesium (Mg)	mg/L	10	0.002					
Manganese (Mn)	mg/L	0.1	0.071					
Nickel (Ni)	mg/L	0.011	0.004					
Nitrate as N	mg/L	0.7	**1.9**					
Nitrite as N	mg/L	1	0.02					
Potassium	mg/L	13	8					
Rubidium	mg/L	0.008	0.007					
Selenium	mg/L	0.01	<0.001					
Silver	mg/L	0.001	<0.001					
Sodium (Na)	mg/L	30	5.1					
Strontium	mg/L	0.25	0.069					
Sulphate (SO_4)	mg/L	10	1					
Total nitrogen (Total N)	mg/L	1.5	**2.4**					
Total phosphorus (Total P)	mg/L	0.3	0.2					
Zinc (Zn)	mg/L	0.03	0.012					

Notes

Elevated Turbidity - Discharge turbidity lower than US and DS, no impacts

Elevated TSS - Discharge TSS lower than US and DS, no impacts

Elevated Ammonia - Discharge ammonia lower than US and DS, no impacts

Elevated Nitrate - similar to upstream site, no impact

Elevated total Nitrogen - similar to upstream site, no impact

Data range of report			1/10/2024 to 31/12/2024			Rainfall Depth (mm)		284.6
Parameter	Unit	Tigger	LDP - HWD					
Discharges								
pH	pH	6.5-8.3						
EC	µS/cm	250						
TDS	mg/L	300						
Oil and Grease	mg/L	10						
Turbidity	NTU	6 to 50						
TSS	mg/L	80						
Alkalinity - Bicabonate	mg/L	124						
Alkalinity - Carbonate	mg/L	1						
Alkalinity - Hydroxide	mg/L	165						
Alkalinity - Total	mg/L	132						
Aluminium	mg/L	3.3						
Ammonia	mg/L	0.05						
Arsenic (As)	mg/L	0.013						
Barium (Ba)	mg/L	1						
Boron	mg/L	0.05						
Bromine	mg/L	0.2						
Cadmium (Cd)	mg/L	0.0002						
Calcium (Ca)	mg/L	20						
Chloride (Cl)	mg/L	20						
Chromium (Cr)	mg/L	0.006						
Copper (Cu)	mg/L	0.007						
Iron (Fe)	mg/L	10						
Lead (Pb)	mg/L	0.0034						
Lithium	mg/L	0.03						
Magnesium (Mg)	mg/L	10						
Manganese (Mn)	mg/L	0.1						
Nickel (Ni)	mg/L	0.011						
Nitrate as N	mg/L	0.7						
Nitrite as N	mg/L	1						
Potassium	mg/L	13						
Ribidium	mg/L	0.008						
Selenium	mg/L	0.01						
Silver	mg/L	0.001						
Sodium (Na)	mg/L	30						
Strontium	mg/L	0.25						
Sulphate (SO_4)	mg/L	10						
Total nitrogen (Total N)	mg/L	1.5						
Total phosphorus (Total P)	mg/L	0.3						
Zinc (Zn)	mg/L	0.03						
Notes								

Data range of report			1/10/2024 to 31/12/2024			Rainfall Depth (mm)		284.6
Parameter	Unit	Tigger	LDP - WCWD					
			29/03/2025					
Discharges			Yes					
pH	pH	6.5-8.3	7.92					
EC	µS/cm	250	1040					
TDS	mg/L	300	447					
Oil and Grease	mg/L	10	<5					
Turbidity	NTU	6 to 50	36					
TSS	mg/L	80	38					
Alkalinity - Bicabonate	mg/L	124	170					
Alkalinity - Carbonate	mg/L	1	<5					
Alkalinity - Hydroxide	mg/L	165	<5					
Alkalinity - Total	mg/L	132	170					
Aluminium	mg/L	3.3	2					
Ammonia	mg/L	0.05	0.02					
Arsenic (As)	mg/L	0.013	0.002					
Barium (Ba)	mg/L	1	0.067					
Boron	mg/L	0.05	0.05					
Bromine	mg/L	0.2	0.39					
Cadmium (Cd)	mg/L	0.0002	<0.0001					
Calcium (Ca)	mg/L	20	48					
Chloride (Cl)	mg/L	20	81					
Chromium (Cr)	mg/L	0.006	0.002					
Copper (Cu)	mg/L	0.007	0.004					
Iron (Fe)	mg/L	10	0.66					
Lead (Pb)	mg/L	0.0034	<0.001					
Lithium	mg/L	0.03	0.003					
Magnesium (Mg)	mg/L	10	25					
Manganese (Mn)	mg/L	0.1	0.014					
Nickel (Ni)	mg/L	0.011	0.004					
Nitrate as N	mg/L	0.7	1.4					
Nitrite as N	mg/L	1	0.009					
Potassium	mg/L	13	11					
Rubidium	mg/L	0.008	0.01					
Selenium	mg/L	0.01	0.003					
Silver	mg/L	0.001	<0.001					
Sodium (Na)	mg/L	30	140					
Strontium	mg/L	0.25	0.7					
Sulphate (SO_4)	mg/L	10	220					
Total nitrogen (Total N)	mg/L	1.5	2.1					
Total phosphorus (Total P)	mg/L	0.3	0.1					
Zinc (Zn)	mg/L	0.03	0.004					

Notes