



Mount Thorley Warkworth EPL Monitoring Data

Published 30 April 2024
FOR THE MONTH ENDING 31 March 2024

Name of Operation	Mount Thorley Coal Loader
Environment Protection Licence	24
Licensee	Mount Thorley Coal Loading Ltd
Premises	Mount Thorley Coal Loading Ltd Mount Thorley Road, Mount Thorley Via Singleton NSW 2330
EPL Link	http://app.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=89660&SYSUID=1&LICID=24
Name of Operation	Mount Thorley Operations
Environment Protection Licence	1976
Licensee	Mount Thorley Operations Pty Limited
Premises	Mount Thorley Operations Mount Thorley Road Mount Thorley NSW 2330
EPL Link	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=161559&SYSUID=1&LICID=1976
Name of Operation	Warkworth Coal Mine
Environment Protection Licence	1376
Licensee	Warkworth Mining Ltd
Premises	Warkworth Coal Mine Putty Road Mount Thorley NSW 2330
EPL Link	https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=160262&SYSUID=1&LICID=1376

1 INTRODUCTION

This report provides a summary of environmental monitoring results for Mount Thorley Warkworth (MTW) in accordance with the requirements of the following Environment Protection Licences (EPL):

- EPL24 – Mount Thorley Coal Loader (MTCL);
- EPL1376 – Warkworth Mining Limited (WML); and
- EPL1976 – Mount Thorley Operations (MTO).

This report includes all monitoring data collected in accordance with the above licences for the period 1 to 31 March 2024.

Monitoring in this report includes:

- Air quality monitoring;
- Surface water monitoring including mine water discharge and effluent quality; and
- Blast monitoring.

Monitoring locations are shown in **Figure 1**.

2 AIR QUALITY

In accordance with the requirements of Condition M2.2 of WML EPL 1376 and MTO EPL 1976, MTW maintains a network of five PM₁₀ monitors.

Results of Particulates (PM₁₀) monitoring are shown in **Table 1**. Results reported represent the 24hr average PM₁₀, derived from 10 minute PM₁₀ values for the period midnight to midnight, for each calendar date during the reporting period. The last sampling date was 31 March 2024 and the data was obtained on 1 April 2024.

TABLE 1: PARTICULATE MATTER <10µM MONITORING

Date	Unit of Measure	Monitoring Frequency & Capture	Monitoring Point				
			Warkworth North (EPA ID # 9 - WML EPL 1376)	MTO Boundary (EPA ID # 13 - MTO EPL 1976)	Dragline Crossing (EPA ID # 10 - WML EPL 1376 & MTO EPL 1976)	Heavy Vehicle Bridge (EPA ID # 11 - WML EPL 1376 & MTO EPL 1976)	MTIE (EPA ID # 12 - WML EPL 1376 & EPA ID #19 - MTO EPL 1976)
01/03/2024	µg/m ³	Continuous	22.3	16.2	21.5	23.8	17.2
02/03/2024	µg/m ³		21.4	18.6	30.0	28.0	19.4
03/03/2024	µg/m ³		22.6	10.7	18.2	16.2	13.1
04/03/2024	µg/m ³		17.9	8.4	11.3	15.0	11.3
05/03/2024	µg/m ³		13.5	3.7	8.0	11.1	6.1
06/03/2024	µg/m ³		14.8	7.3	12.6	13.9	8.1
07/03/2024	µg/m ³		15.6	9.1	13.5	20.4	10.5
08/03/2024	µg/m ³		9.9	5.5	6.9	13.5	6.3
09/03/2024	µg/m ³		8.5	5.9	8.0	10.7	4.9
10/03/2024	µg/m ³		9.9	3.7	7.3	11.0	5.3
11/03/2024	µg/m ³		9.0	3.8	5.8	12.8	5.1
12/03/2024	µg/m ³		14.1	7.5	10.4	17.9	9.9
13/03/2024	µg/m ³		21.2	11.4	10.3	18.7	18.0
14/03/2024	µg/m ³		17.5	13.4	16.1	19.9	15.4
15/03/2024	µg/m ³		10.8	3.0	3.2	7.0	4.3
16/03/2024	µg/m ³		7.5	1.7	2.5	6.0	3.6
17/03/2024	µg/m ³		8.1	3.6	4.7	6.7	3.9
18/03/2024	µg/m ³		20.2	8.8	12.9	14.3	12.1
19/03/2024	µg/m ³		15.0	10.9	18.2	16.2	11.5
20/03/2024	µg/m ³		10.7	8.8	19.0	14.3	8.5
21/03/2024	µg/m ³		9.8	3.2	5.3	7.8	5.9
22/03/2024	µg/m ³		12.6	2.9	4.6	6.3	4.5
23/03/2024	µg/m ³		12.7	2.5	8.6	7.8	5.2

MTW EPL Monitoring Data
FOR THE MONTH ENDING 31 March 2024

Date	Unit of Measure	Monitoring Frequency & Capture	Monitoring Point				
			Warkworth North (EPA ID # 9 - WML EPL 1376)	MTO Boundary (EPA ID # 13 - MTO EPL 1976)	Dragline Crossing (EPA ID # 10 - WML EPL 1376 & MTO EPL 1976)	Heavy Vehicle Bridge (EPA ID # 11 - WML EPL 1376 & MTO EPL 1976)	MTIE (EPA ID # 12 - WML EPL 1376 & EPA ID #19 - MTO EPL 1976)
24/03/2024	µg/m ³		10.3	4.2	13.0	10.1	5.6
25/03/2024	µg/m ³		11.3	8.1	26.5	18.8	13.1
26/03/2024	µg/m ³		22.2	12.7	21.4	19.0	16.2
27/03/2024	µg/m ³		26.7	21.0	23.0	30.0	19.5
28/03/2024	µg/m ³		23.9	12.5	17.5	21.6	14.5
29/03/2024	µg/m ³		21.8	16.5	19.0	23.6	16.8
30/03/2024	µg/m ³		23.2	13.5	25.3	22.0	18.2
31/03/2024	µg/m ³		18.8	13.8	14.9	14.1	10.3
Monthly Meaningful Data							
March	µg/m ³	Minimum*	7.5	1.7	2.5	6.0	3.6
March	µg/m ³	Mean*	15.6	8.8	13.5	15.4	10.5
March	µg/m ³	Maximum*	26.7	21.0	30.0	30.0	19.5
March	µg/m ³	Median*	14.8	8.4	12.9	14.3	10.3

24 hour data unavailable due to equipment or communications issue causing one or more missing 10 minute values

*Data calculated with missing 10 minute value(s) due to equipment or communication issue

MTIE denotes Mount Thorley Industrial Estate

3 SURFACE WATER

3.1 Mine Water Discharge Monitoring

MTW participates in the Hunter River Salinity Trading Scheme (HRSTS) and maintains two monitoring locations associated with this scheme.

MTW did not undertake any HRSTS discharges in the reporting period as shown in **Table 2**. As such, no samples were collected during the reporting period as shown in **Table 3**.

TABLE 2: MINE WATER DISCHARGE MONITORING - VOLUME AND MASS LIMITS

Monitoring Location	Unit of measure	Volume/mass Limit	No. of samples required by licence	No. of samples you collected and analysed	Lowest Sample Value	Mean of sample	Highest sample value	Median
Dam 1N Discharge / Point 1 (WML EPL 1376) Dam 1N Discharge Point	Megalitres per day	100	0	0	-	-	-	-
Dam 9S Discharge / EPL Point 4 (MTO EPL 1976) Discharge pipe from Dam 9S	Megalitres per day	100	0	0	-	-	-	-

TABLE 3: MINE WATER DISCHARGE MONITORING- CONCENTRATION LIMITS

Discharge Point	Pollutant	Unit of measure	Licence limits	No. of samples required by licence	No. of samples you collected and analysed	Lowest Sample Value	Mean of sample	Highest sample value	Median
Dam 1N Discharge / Point 1 (WML EPL 1376) Dam 1N Discharge Point	Electrical Conductivity	microsiemens per centimetre	-	0	0	-	-	-	-
	pH	pH	6.5 - 9.5	0	0	-	-	-	-
	Total Suspended Solids	milligrams per litre	120	0	0	-	-	-	-
Dam 1N Discharge Turbidity Monitoring / Point 25 (WML EPL 1376) Continuous turbidity monitor	Turbidity	nephelometric turbidity units	-	0	0	-	-	-	-
Dam 9S Discharge / EPL Point 4 (MTO EPL 1976) Discharge pipe from Dam 9	Electrical Conductivity	microsiemens per centimetre	-	0	0	-	-	-	-
	pH	pH	6.5 - 9.5	0	0	-	-	-	-
	Total Suspended Solids	milligrams per litre	120	0	0	-	-	-	-

3.2 Water Quality Monitoring

MTW undertakes monitoring in accordance with Condition M2.3 of WML EPL 1376 and MTO EPL 1976 as detailed in **Table 4**. Monthly sampling occurred on 21 March 2024 and the data was obtained 16 April 2024. Next quarterly sampling will occur in June 2024.

TABLE 4: WATER QUALITY MONITORING

Monitoring Location	Pollutant	unit of measure	Monitoring frequency required by licence	No. of samples required by licence	No. of samples collected and analysed	Value(s)
W5 – Loders Creek / EPL Point 3 (MTO EPL 1976) Coal preparation plant access road bridge	Electrical Conductivity	microsiemens per centimetre	Once a month (min. of 4 weeks)	1	1	5760
	pH	pH units	Once a month (min. of 4 weeks)	1	1	7.5
	Total Suspended Solids	milligrams per litre	Once a month (min. of 4 weeks)	1	1	64
W1 – Hunter River / EPL Point 26 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	0	#
	pH	pH units	Once a quarter	1	0	#
	Total Suspended Solids	milligrams per litre	Once a quarter	1	0	#
W2 – Hunter River / EPL Point 27 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	0	#
	pH	pH units	Once a quarter	1	0	#
	Total Suspended Solids	milligrams per litre	Once a quarter	1	0	#
W3 – Hunter River / EPL Point 28 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	0	#
	pH	pH units	Once a quarter	1	0	#
	Total Suspended Solids	milligrams per litre	Once a quarter	1	0	#
W5 – Loders Creek / EPL Point 29 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	5760
	pH	pH units	Once a quarter	1	1	7.5
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	64

Monitoring Location	Pollutant	unit of measure	Monitoring frequency required by licence	No. of samples required by licence	No. of samples collected and analysed	Value(s)
WW5 – Dights Creek / EPL Point 30 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	416
	pH	pH units	Once a quarter	1	1	7.6
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	53
SW40 – Wollombi Brook Downstream / EPL Point 31 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	923
	pH	pH units	Once a quarter	1	1	7.6
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	10
Wollombi Brook / EPL Point 32 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	957
	pH	pH units	Once a quarter	1	1	7.5
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	<5
Wollombi Brook Upstream / EPL Point 33 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	1326
	pH	pH units	Once a quarter	1	1	7.8
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	6

- Sample unable to be collected due to insufficient water or unsafe access

3.3 Effluent Quality Monitoring

Monitoring is undertaken in accordance with Condition M2.3 of WML EPL 1376 and MTO EPL 1976 as detailed in **Table 5**. Next quarterly sampling will occur in June 2024.

TABLE 5: EFFLUENT QUALITY MONITORING

Monitoring Location	Pollutant	unit of measure	Monitoring frequency required by licence	No. of samples required by licence	No. of samples collected and analysed	Value
North Pit North Crib Hut Envirocycle / EPL Point 14 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	<1000
	pH	pH units	Once a quarter	1	1	6.7
Main Warkworth Staging Pond / EPL Point 15 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	~1000
	pH	pH units	Once a quarter	1	1	9.7
Warkworth Admin Envirocycle / EPL Point 16 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	65000
	pH	pH units	Once a quarter	1	1	7.2
West Pit South Crib Hut Envirocycle / EPL Point 17 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	~100
	pH	pH units	Once a quarter	1	1	6.4
Warkworth Medical Centre Envirocycle / EPL Point 18 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	0	#
	pH	pH units	Once a quarter	1	0	#
Dam 1S / EPL Point 18 (MTO EPL 1976)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	<10000
	pH	pH units	Once a quarter	1	1	9.1
WML - Workshop STP	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	<10
	pH	pH units	Once a quarter	1	1	5.0

Sample not collected as effluent now diverted from this point to the newly commissioned WML - Workshop STP for treatment (since 28 November 2023).

4 BLAST MONITORING

In accordance with the requirements of Conditions M7.1 (WML EPL 1376) and M8.1 (MTO EPL 1976), MTW maintains a network of blast monitors to measure airblast overpressure and ground vibration for all blasts carried out at MTW. Blast monitoring results are detailed in **Table 6** (Airblast Overpressure) and **Table 7** (Ground Vibration). The last date sampled was on 28 March 2024. The data was obtained on 29 March 2024.

TABLE 6: BLAST MONITORING (AIRBLAST OVERPRESSURE)

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
noop-rl30-bwa-pr1	1/03/2024 10:17	dB(L)	All Blasts 100%	115	120	88.9	80.4	89.7	91.2	80.3
n41-wwc-ptg1	1/03/2024 13:58	dB(L)		115	120	105.3	88.1	93.6	99.6	91.4
w39-gmb-pr3	4/03/2024 11:20	dB(L)		115	120	98.7	102.1	98.7	93.1	92.8
w48-wyc-pr5	4/03/2024 12:19	dB(L)		115	120	105.5	101.3	94.0	88.0	97.4
w35-wwf-g-co1	5/03/2024 15:20	dB(L)		115	120	95.4	94.0	90.9	89.1	85.3
w48-wyc-pr7	6/03/2024 10:03	dB(L)		115	120	104.2	95.6	93.2	102.7	101.0
w48-wba-pr1 & w48-wbc-ps1b	7/03/2024 12:24	dB(L)		115	120	99.7	100.6	93.0	82.9	97.9
n47-blh-ptg2	9/03/2024 15:39	dB(L)		115	120	97.6	104.5	104.0	86.0	103.3
n41-wwc-g-co1	9/03/2024 15:40	dB(L)		115	120	100.3	99.7	107.8	85.2	104.8
w46-wba-pr3 & w46-wbc-ps1c	12/03/2024 11:38	dB(L)		115	120	97.9	100.4	94.7	102.4	96.7

MTW EPL Monitoring Data
FOR THE MONTH ENDING 31 March 2024

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
w39-wnd-pr2	13/03/2024 11:34	dB(L)		115	120	95.6	95.9	93.8	80.2	92.2
n47-blh-ptg3	13/03/2024 15:31	dB(L)		115	120	93.0	100.2	104.8	96.7	93.6
w39-wnd-pr1	15/03/2024 11:28	dB(L)		115	120	96.3	103.9	100.7	109.7	98.8
n49-rca-pr4	15/03/2024 15:10	dB(L)		115	120	94.9	99.5	107.8	83.0	104.5
w39-wnd-pr3	16/03/2024 15:33	dB(L)		115	120	98.3	97.7	101.1	98.4	94.2
noop-rl26-bwa-pr1	20/03/2024 10:19	dB(L)		115	120	83.5	80.4	108.5	89.3	77.1
n42-bfb-ptg1	21/03/2024 10:53	dB(L)		115	120	90.6	103.4	100.6	88.1	98.2
w39-wnd-pr4	21/03/2024 16:23	dB(L)		115	120	95.5	101.4	96.5	83.3	96.0
w35-wwj-ptg1	22/03/2024 12:26	dB(L)		115	120	89.5	97.3	82.5	94.6	85.8
n41-bfb-wwa-co5	23/03/2024 12:00	dB(L)		115	120	90.4	88.4	86.4	96.0	90.9
w48-wba-pr2	25/03/2024 11:31	dB(L)		115	120	96.6	98.2	92.9	87.1	96.0
w36-bfa-ps1d	26/03/2024 12:55	dB(L)		115	120	96.5	95.4	94.1	87.0	89.3
w39-wnd-pr5	26/03/2024 12:56	dB(L)		115	120	95.2	95.0	90.9	88.5	92.2
n42-bfb-ptg2	28/03/2024 13:22	dB(L)		115	120	86.4	98.5	92.2	80.6	84.2

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
Monthly Meaningful Data										
Minimum	March	dB(L)		115	120	83.5	80.4	82.5	80.2	77.1
Mean	March	dB(L)		115	120	95.6	96.7	96.4	90.9	93.5
Maximum	March	dB(L)		115	120	105.5	104.5	108.5	109.7	104.8
Median	March	dB(L)		115	120	95.9	98.3	94.1	88.8	93.9

TABLE 7: BLAST MONITORING (GROUND VIBRATION)

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
noop-rl30-bwa-pr1	1/03/2024 10:17	mm/s		5	10	0.08	0.03	0.14	0.24	0.02
n41-wwe-ptg1	1/03/2024 13:58	mm/s		5	10	0.11	0.13	0.03	0.08	0.05
w39-gmb-pr3	4/03/2024 11:20	mm/s		5	10	1.04	1.73	0.15	0.10	0.77

MTW EPL Monitoring Data
FOR THE MONTH ENDING 31 March 2024

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
w48-wyc-pr5	4/03/2024 12:19	mm/s	All Blasts 100%	5	10	0.50	0.26	0.03	0.11	0.37
w35-wwf-g-co1	5/03/2024 15:20	mm/s		5	10	0.14	0.11	0.02	0.11	0.05
w48-wyc-pr7	6/03/2024 10:03	mm/s		5	10	0.69	0.50	0.06	0.22	0.47
w48-wba-pr1 & w48-wbc-ps1b	7/03/2024 12:24	mm/s		5	10	4.17	2.08	0.20	0.07	1.95
n47-blh-ptg2	9/03/2024 15:39	mm/s		5	10	0.09	0.09	0.02	0.10	0.03
n41-wwc-g-co1	9/03/2024 15:40	mm/s		5	10	0.08	0.09	0.02	0.10	0.03
w46-wba-pr3 & w46-wbc-ps1c	12/03/2024 11:38	mm/s		5	10	0.57	1.05	0.12	0.41	1.14
w39-wnd-pr2	13/03/2024 11:34	mm/s		5	10	0.31	0.26	0.03	0.12	0.22
n47-blh-ptg3	13/03/2024 15:31	mm/s		5	10	0.08	0.10	0.02	0.55	0.03
w39-wnd-pr1	15/03/2024 11:28	mm/s		5	10	0.97	1.09	0.08	0.44	0.73
n49-rca-pr4	15/03/2024 15:10	mm/s		5	10	0.17	0.28	0.04	0.14	0.08
w39-wnd-pr3	16/03/2024 15:33	mm/s		5	10	0.79	0.53	0.07	0.49	0.59
noop-rl26-bwa-pr1	20/03/2024 10:19	mm/s		5	10	0.08	0.03	0.11	0.39	0.02
n42-bfb-ptg1	21/03/2024 10:53	mm/s		5	10	0.16	0.27	0.04	0.08	0.08

MTW EPL Monitoring Data
FOR THE MONTH ENDING 31 March 2024

Blast ID	Date and Time	Unit of Measure	Monitoring Frequency & Capture	EPL Limits		Monitoring Point				
				95% of Blasts	100% of Blasts	Bulga Village EPA ID # 6 (EPL 1376) & EPA ID # 7 (EPL 1976)	Wambo Road EPA ID # 5 (EPL 1376) & EPA ID # 6 (EPL 1976)	Putty Rd MTIE EPA ID # 8 (EPL 1376) & EPA ID # 9 (EPL 1976)	Warkworth EPA ID # 4 (EPL 1376) & EPA ID # 5 (EPL 1976)	Wollemi Peak Road EPA ID # 7 (EPL 1376) & EPA ID # 8 (EPL 1976)
w39-wnd-pr4	21/03/2024 16:23	mm/s		5	10	0.64	0.97	0.09	0.10	0.58
w35-wwj-ptg1	22/03/2024 12:26	mm/s		5	10	0.09	0.05	0.02	0.45	0.03
n41-bfb-wwa-co5	23/03/2024 12:00	mm/s		5	10	0.14	0.13	0.02	0.32	0.07
w48-wba-pr2	25/03/2024 11:31	mm/s		5	10	0.68	1.06	0.11	0.09	0.69
w36-bfa-ps1d	26/03/2024 12:55	mm/s		5	10	2.39	1.27	0.18	0.17	2.47
w39-wnd-pr5	26/03/2024 12:56	mm/s		5	10	1.18	0.95	0.11	0.09	0.67
n42-bfb-ptg2	28/03/2024 13:22	mm/s		5	10	0.09	0.13	0.03	0.10	0.05
Monthly Meaningful Data										
Minimum	March	mm/s		5	10	0.08	0.03	0.02	0.07	0.02
Mean	March	mm/s		5	10	0.64	0.55	0.07	0.21	0.47
Maximum	March	mm/s		5	10	4.17	2.08	0.20	0.55	2.47
Median	March	mm/s		5	10	0.24	0.27	0.05	0.12	0.15

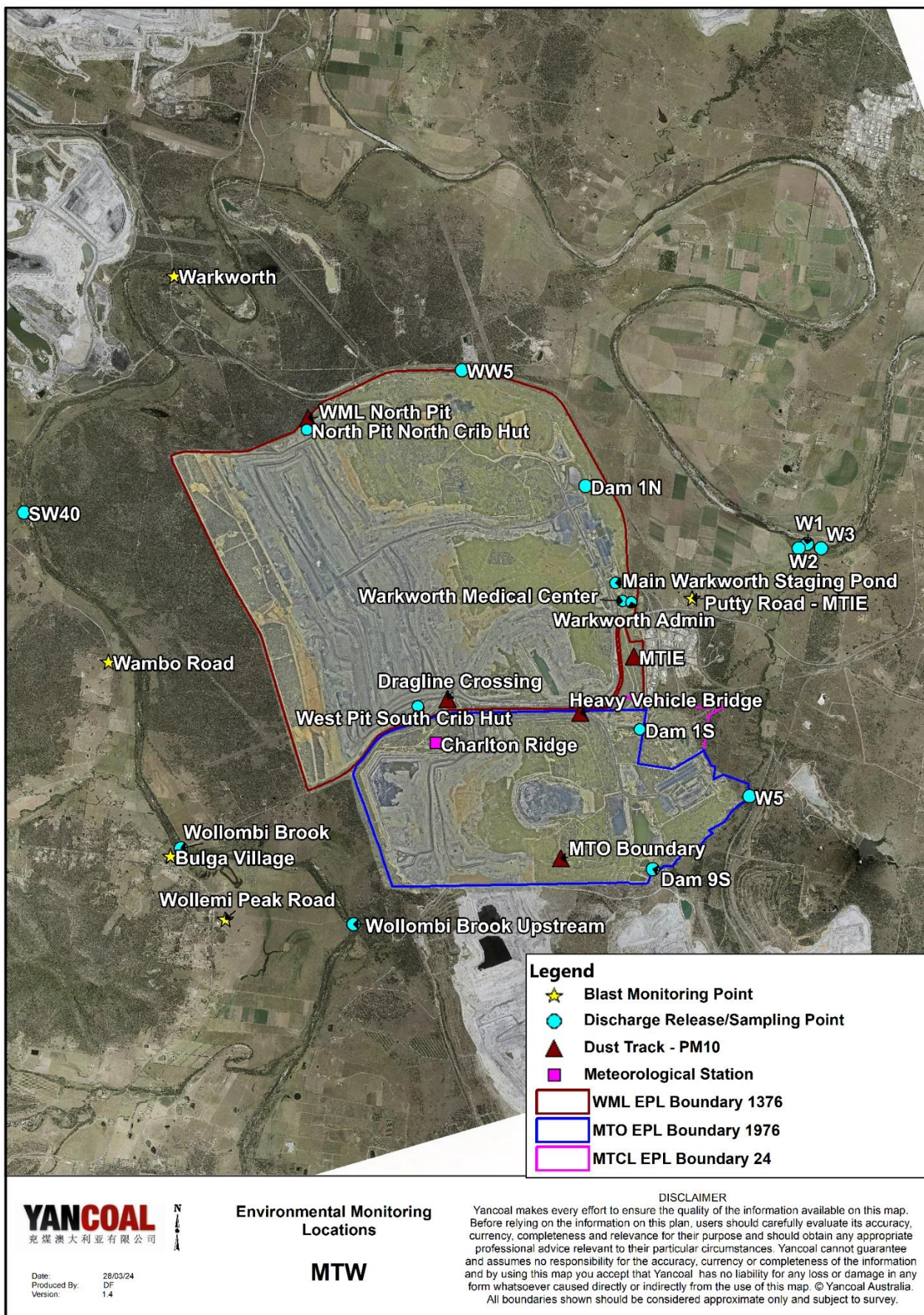


Figure 1 : Mount Thorley Warkworth Environmental Monitoring Locations