



Mount Thorley Warkworth EPL Monitoring Data

Published 28 July 2026
FOR THE MONTH ENDING 30 June 2026

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/Vi ewPOEOLicence.aspx?DOCID=89660&SYS UID=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://app.epa.nsw.gov.au/prpoeoapp/Vi ewPOEOLicence.aspx?DOCID=295258&SY SUID=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://app.epa.nsw.gov.au/prpoeoapp/Vi ewPOEOLicence.aspx?DOCID=226613&SY SUID=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 30 June 2026.

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 30 June 2026 and the data was obtained on 1 July 2026.

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)
1/06/2026	µg/m ³	Continuous	3.8	5.8	19.8	7.9	#
2/06/2026	µg/m ³		#	4.5	13.9	4.8	#
3/06/2026	µg/m ³		#	4.4	10.2	2.9	1.6
4/06/2026	µg/m ³		#	3.0	7.3	2.0	1.0
5/06/2026	µg/m ³		#	3.7	16.6	5.8	1.2
6/06/2026	µg/m ³		#	6.7	15.9	11.7	5.0
7/06/2026	µg/m ³		#	10.0	18.4	17.5	12.6
8/06/2026	µg/m ³		#	8.2	22.5	17.2	11.2
9/06/2026	µg/m ³		#	8.3	13.5	13.7	12.4
10/06/2026	µg/m ³		#	8.4	18.9	12.7	11.2
11/06/2026	µg/m ³		#	12.7	19.8	17.4	11.8
12/06/2026	µg/m ³		#	9.1	9.0	9.2	8.2
13/06/2026	µg/m ³		#	19.5	25.3	20.5	18.8
14/06/2026	µg/m ³		#	13.6	17.7	14.0	10.5
15/06/2026	µg/m ³		#	4.9	4.3	4.2	3.1
16/06/2026	µg/m ³		#	6.0	12.8	7.8	10.3
17/06/2026	µg/m ³		#	11.8	22.4	17.0	12.0
18/06/2026	µg/m ³		#	11.0	26.3	15.6	8.9
19/06/2026	µg/m ³		#	7.9	23.0	10.0	5.8
20/06/2026	µg/m ³		#	6.4	16.7	6.3	2.2
21/06/2026	µg/m ³		#	5.5	16.5	8.7	5.4
22/06/2026	µg/m ³		#	6.6	13.3	9.5	8.5
23/06/2026	µg/m ³		#	6.9	20.9	14.2	8.6

MTW EPL Monitoring Data
FOR THE MONTH ENDING 30 June 2026

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)
24/06/2026	µg/m³		17.1	5.1	13.3	8.9	9.4
25/06/2026	µg/m³		12.5	5.3	5.0	4.4	5.1
26/06/2026	µg/m³		16.2	5.4	5.0	5.1	4.6
27/06/2026	µg/m³		17.4	6.8	6.0	7.1	6.1
28/06/2026	µg/m³		10.8	5.2	5.3	6.8	4.5
29/06/2026	µg/m³		10.8	5.0	5.4	8.1	4.9
30/06/2026	µg/m³		19.8	14.5	24.5	16.6	14.7
Monthly Meaningful Data							
June	µg/m³	Minimum*	3.8	3.0	4.3	2.0	1.0
June	µg/m³	Mean*	12.5	7.7	15.0	10.2	7.7
June	µg/m³	Maximum*	19.8	19.5	26.3	20.5	18.8
June	µg/m³	Median*	12.5	6.6	16.2	9.1	8.2

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 three 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 6S Discharge / EPL Point 20 (MTO EPL 1976) Discharge pipe from Dam 6S	Megalitres per day	300*	0	0	-	-	-	-
Dam 9S Discharge / EPL Point 4 (MTO EPL 1976) Discharge pipe from Dam 9S	Megalitres per day	300*	0	0	-	-	-	-

*Combined limit for EPL Points 4 and 20

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 6S Discharge / EPL Point 20 (MTO EPL 1976) Discharge pipe from Dam 6S	Electrical Conductivity	microsiemens per centimetre	-	Continuous	Continuous	-	-	-	-
	pH	pH	6.5 - 9.5	0	0	-	-	-	-
	Total Suspended Solids	milligrams per litre	120	0	0	-	-	-	-
Dam 9S Discharge / EPL Point 4 (MTO EPL 1976) Discharge pipe from Dam 9S	Electrical Conductivity	microsiemens per centimetre	-	Continuous	Continuous	-	-	-	-
	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 4 June 2026 and the data was obtained 14 July 2026. Next quarterly sampling will occur in September 2026.

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	6320
	pH	pH units	Once a month (min. of 4 weeks)	1	1	8.0
	Total Suspended Solids	milligrams per litre	Once a month (min. of 4 weeks)	1	1	7
W1 – Hunter River / EPL Point 26 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	650
	pH	pH units	Once a quarter	1	1	7.7
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	14
W2 – Hunter River / EPL Point 27 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	1778
	pH	pH units	Once a quarter	1	1	7.8
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	225
W3 – Hunter River / EPL Point 28 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	662
	pH	pH units	Once a quarter	1	1	8.1
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	16

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 29 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	6320
	pH	pH units	Once a quarter	1	1	8.0
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	7
WW5 – Dights Creek / EPL Point 30 (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	#
SW40 – Wollombi Brook Downstream / EPL Point 31 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	594
	pH	pH units	Once a quarter	1	1	7.2
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	<5
Wollombi Brook / EPL Point 32 (WML EPL 1376)	Electrical Conductivity	microsiemens per centimetre	Once a quarter	1	1	360
	pH	pH units	Once a quarter	1	1	7.3
	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	357
	pH	pH units	Once a quarter	1	1	7.5
	Total Suspended Solids	milligrams per litre	Once a quarter	1	1	<5

- 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 September 2026.

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	~23
	pH	pH units	Once a quarter	1	1	6.4
Main Warkworth Staging Pond / EPL Point 15 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	15000
	pH	pH units	Once a quarter	1	1	7.6
Warkworth Admin Envirocycle / EPL Point 16 (WML EPL 1376)	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	0	#
	pH	pH units	Once a quarter	1	0	#
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	3500
	pH	pH units	Once a quarter	1	1	6.9
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	~160
	pH	pH units	Once a quarter	1	1	9.9
WML - Workshop STP	Faecal Coliforms	Colony forming units per 100 millilitres	Once a quarter	1	1	3600000
	pH	pH units	Once a quarter	1	1	7.3

Sample not collected from Warkworth Admin Envirocycle (EPL Point 16) and Warkworth Medical Centre Envirocycle (EPL Point 18) as these systems are no longer in use and effluent is now being diverted from these points to the "WML - Workshop STP" for treatment.

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 30 June 2026. The data was obtained on 1 July 2026.

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)
w37-wwe-md5	1/06/2026 14:12	dB(L)	All Blasts 100%	115	120	104.9	96.8	111.6	104.9	103.1
n55-rca-ps1e	2/06/2026 12:09	dB(L)		115	120	98.3	101.6	104.4	89.2	95.6
w50-wba-pr1 & w43-wnb-ps1b	4/06/2026 10:10	dB(L)		115	120	100.8	99.7	<113*	96.4	108.7
w43-wnb-ps1c	6/06/2026 14:09	dB(L)		115	120	111.4	94.9	87.8	88.3	101.0
w54-wyf-ps1a	6/06/2026 14:09	dB(L)		115	120	109.2	86.7	87.6	88.2	97.7
n55-rca-pr4 & n55-rca-ps1f	9/06/2026 13:47	dB(L)		115	120	104.9	110.3	92.6	110.1	97.3
w56-wyb-pr1 & w54-wyc-pr6	10/06/2026 12:00	dB(L)		115	120	112.0	104.6	101.5	94.9	105.9
w45-skijump-ptg1	11/06/2026 11:08	dB(L)		115	120	99.7	100.2	96.6	101.6	92.9
n44-wwa-ptg2	13/06/2026 15:41	dB(L)		115	120	96.4	95.2	97.2	99.9	95.1
n53-wna-ps1	13/06/2026 15:41	dB(L)		115	120	107.5	106.7	96.2	95.8	101.7
w50-wba-pr3	17/06/2026 12:11	dB(L)		115	120	106.7	101.2	108.6	96.9	101.7
n47-gmc-pr4	18/06/2026 12:10	dB(L)		115	120	99.5	102.1	101.9	87.5	106.4
w56-wyc-ptg3	19/06/2026 13:21	dB(L)		115	120	110.7	102.7	104.5	93.6	112.2
n55-wyf-pr1 & n55-rca-ps1g	22/06/2026 13:57	dB(L)		115	120	101.1	104.1	94.4	119.5	99.8

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)
n49-ble-ptg1	23/06/2026 12:17	dB(L)		115	120	97.8	98.1	95.9	106.6	91.5
w54-wyf-ps1b	24/06/2026 12:01	dB(L)		115	120	103.2	90.8	91.2	100.1	104.1
w40-gmb-whc-co1	25/06/2026 13:47	dB(L)		115	120	114.4	106.7	99.1	102.8	111.0
w40-gmb-whc-co2	27/06/2026 12:37	dB(L)		115	120	97.6	100.2	96.9	101.4	95.0
w43-wnb-ptg1	27/06/2026 12:37	dB(L)		115	120	105.0	109.9	99.6	109.3	105.2
w50-wba-pr2	29/06/2026 11:27	dB(L)		115	120	97.7	107.2	95.5	102.5	93.4
w54-wyc-pr7	29/06/2026 11:28	dB(L)		115	120	107.2	110.2	97.3	101.2	106.2
n55-rca-ps1h	30/06/2026 11:33	dB(L)		115	120	93.9	95.4	98.9	104.3	91.8
Monthly Meaningful Data										
Minimum	June	dB(L)		115	120	93.9	86.7	87.6	87.5	91.5
Mean	June	dB(L)		115	120	103.6	101.1	98.7	99.8	100.8
Maximum	June	dB(L)		115	120	114.4	110.3	113*	119.5	112.2
Median	June	dB(L)		115	120	104.0	101.4	97.2	100.7	101.4

* A blast consultant completed an investigation which determined that the original result of 119.8 dB was wind affected and the actual result based on regression analysis was <113 dB. The monthly meaningful data metrics for the Putty Rd MTIE monitor were calculated using the value of 113 dB for this blast event.

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)
w37-wwe-md5	1/06/2026 14:12	mm/s	All Blasts 100%	5	10	2.74	1.21	0.16	0.65	1.20
n55-rca-ps1e	2/06/2026 12:09	mm/s		5	10	0.10	0.30	0.07	1.17	0.15
w50-wba-pr1 & w43-wnb-ps1b	4/06/2026 10:10	mm/s		5	10	12.25*	2.99	0.26	1.92	5.65
w43-wnb-ps1c	6/06/2026 14:09	mm/s		5	10	1.61	0.37	0.11	0.26	1.97
w54-wyf-ps1a	6/06/2026 14:09	mm/s		5	10	1.61	0.92	0.12	0.26	2.10
n55-rca-pr4 & n55-rca-ps1f	9/06/2026 13:47	mm/s		5	10	0.46	0.86	0.11	1.59	0.26
w56-wyb-pr1 & w54-wyc-pr6	10/06/2026 12:00	mm/s		5	10	5.60	5.57	0.21	1.47	2.64
w45-skijump-ptg1	11/06/2026 11:08	mm/s		5	10	0.15	0.12	0.05	0.19	0.17
n44-wwa-ptg2	13/06/2026 15:41	mm/s		5	10	0.10	0.32	0.06	1.01	0.14
n53-wna-ps1	13/06/2026 15:41	mm/s		5	10	0.48	0.80	0.14	1.01	0.76
w50-wba-pr3	17/06/2026 12:11	mm/s		5	10	3.23	1.63	0.23	1.80	1.42
n47-gmc-pr4	18/06/2026 12:10	mm/s		5	10	0.40	0.35	0.10	0.52	0.19
w56-wyc-ptg3	19/06/2026 13:21	mm/s		5	10	0.83	0.45	0.07	0.29	0.54
n55-wyf-pr1 & n55-rca-ps1g	22/06/2026 13:57	mm/s		5	10	0.32	0.83	0.11	2.50	0.24

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)
n49-ble-ptg1	23/06/2026 12:17	mm/s		5	10	0.17	0.16	0.06	0.16	0.15
w54-wyf-ps1b	24/06/2026 12:01	mm/s		5	10	0.64	0.53	0.08	0.81	1.16
w40-gmb-whc-co1	25/06/2026 13:47	mm/s		5	10	0.23	0.16	0.06	0.62	0.23
w40-gmb-whc-co2	27/06/2026 12:37	mm/s		5	10	0.44	0.27	0.08	0.18	0.37
w43-wnb-ptg1	27/06/2026 12:37	mm/s		5	10	0.44	0.27	0.08	0.18	0.37
w50-wba-pr2	29/06/2026 11:27	mm/s		5	10	2.18	1.08	0.15	0.91	0.79
w54-wyc-pr7	29/06/2026 11:28	mm/s		5	10	4.68	3.00	0.22	0.85	1.77
n55-rca-ps1h	30/06/2026 11:33	mm/s		5	10	0.22	0.51	0.08	1.31	0.26
Monthly Meaningful Data										
Minimum	June	mm/s		5	10	0.10	0.12	0.05	0.16	0.14
Mean	June	mm/s		5	10	1.77	1.03	0.12	0.89	1.02
Maximum	June	mm/s		5	10	12.25*	5.57	0.26	2.50	5.65
Median	June	mm/s		5	10	0.47	0.52	0.11	0.83	0.46

* There is some uncertainty whether an exceedance of the 10mm/sec blasting vibration limit occurred due to differing results at co-located blast monitors of the same type at the Bulga Village location (a second blast monitor located next to this unit recorded a result of 9.38 mm/sec for this event). This has been reported to the Environment Protection Authority and the Department of Planning, Housing and Infrastructure.

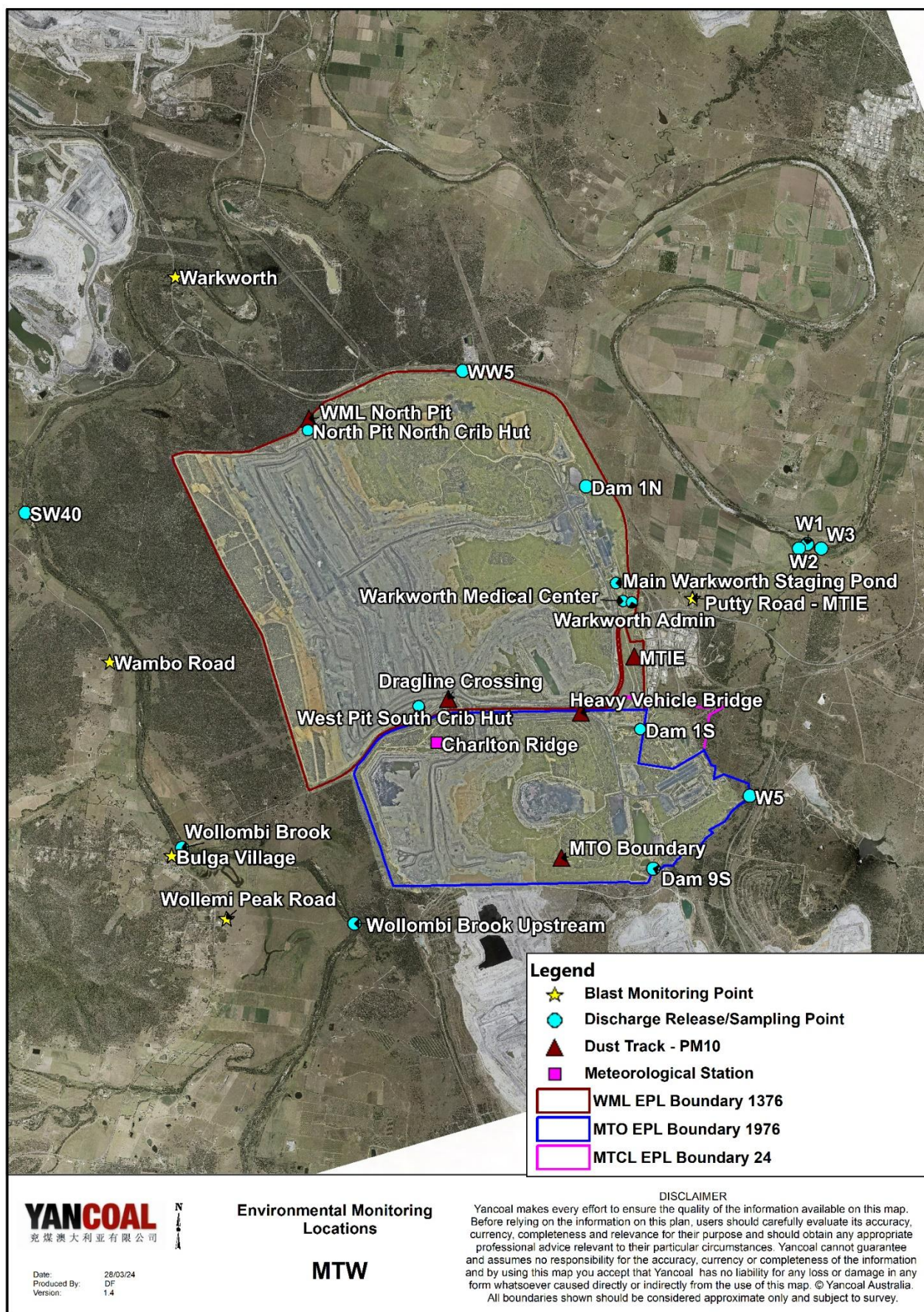


Figure 1 : Mount Thorley Warkworth Environmental Monitoring Locations