

HERA-FEDERATION ANNUAL REVIEW

REPORTING PERIOD 1 JULY 2024 TO 30 JUNE 2025



Name of Operation	HERA-FEDERATION MINE
Name of Operator	Hera Resources Pty Ltd
Development Consent / Project Approval #	SSD 24319456
Name of holder of development consent / project approval	Hera Resources Pty Ltd
Mining Lease #	MINING LEASE 1686 MINING LEASE 1746 MINING LEASE 1862
Name of Mining Lease Holder:	Hera Resources Pty Ltd
Water Licence #	WAL 43173
Name of holder of water licence	Aurelia Metals Ltd
Annual Review Commencement Date:	1 July 202 4
Annual Review Completion Date:	30 June 202 5
I, Lucija Hossack , certify that this audit report is a true and accurate record of the compliance status of Hera Mine for the period 1 July 202 2 to 30 June 202 3 and that I am authorised to make this statement on behalf of Hera Resources Pty Ltd. <i>Note.</i> a) The Annual Review is an 'environmental audit' for the purposes of clause 9.39(2) of the Environmental Planning and Assessment Act 1979. Clause 9.42 provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000. b) The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud or misleading statement – maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents – maximum penalty 2 years imprisonment or \$22,000, or both).	
Name of Authorised Reporting Officer:	Lucija Hossack
Title of Authorised Reporting Officer:	Environment Advisor
Signature of Authorised Reporting Officer:	
Date:	30/09/2025

Table of Contents

1. STATEMENT OF COMPLIANCE	1
2. INTRODUCTION	3
2.1. Overview of hera -federation	3
2.2. Report Purpose	3
2.3. Annual Review Requirements	8
2.4. Mine Contacts	9
3. APPROVALS	10
3.1. Overview	10
4. OPERATIONS SUMMARY	11
4.1. MINING OPERATIONS	11
4.1.1. Production Summary	11
4.1.2. Hours of Operation	11
4.1.3. Mineral Processing and Transport	11
4.1.4. Ore Transport	11
4.2. NEXT REPORTING PERIOD	12
5. ACTIONS REQUIRED FROM PREVIOUS ANNUAL REVIEWS	12
6. ENVIRONMENTAL PERFORMANCE	13
7. METEOROLOGY.....	16
8. AIR QUALITY AND GREEN HOUSE GAS	20
8.1. Overview	20
8.2. Management Practices	20
8.3. Environmental Performance	20
8.3.1. Monitoring Overview	20
8.3.2. Gold Room Stack Monitoring – Nitric Oxide	21
8.3.3. TSP Monitoring	21
8.3.4. PM ₁₀ Monitoring	22
8.3.5. PM _{2.5}	25
8.3.6. Greenhouse Gas Emissions	25
8.4. Community Complaints	25

8.5. Proposed Improvements	26
9. BLASTING AND VIBRATION	26
9.1. Overview	26
9.2. Management Practices	26
9.3. Monitoring Performance	26
9.4. Comparison against predictions and historical data	27
9.5. Community Complaints	27
9.6. Proposed Improvements	27
10. NOISE	27
10.1. Overview	27
10.2. Management Practices	27
10.3. Monitoring Performance	27
10.4. Comparison against predictions and historical data	28
10.5. Community Complaints	28
10.6. Proposed Improvements	28
11 BIODIVERSITY	29
11.1. Overview	29
11.2. Management Practices	29
11.3. Monitoring Performance	29
11.3.1. Vegetation Integrity	29
11.3.2. Threatened Fauna	30
11.3.3. Threatened Flora	30
11.3.4. Weeds	30
11.3.5. Pest Animals	31
11.4. Proposed Improvements	31
12. WASTE MANAGEMENT	33
12.1. Overview	33
12.2. Management Practices	33
12.3. Monitoring Performance	33
12.4. Comparison against predictions and historical data	33
12.5. Proposed Improvements	34

13.	WATER MANAGEMENT	37
13.1.	Overview	37
13.1.	Management Practices	37
13.2.	Monitoring Performance	37
13.2.1.	Surface Water	37
13.2.2.	Groundwater	38
13.3.	Water Take	42
13.4.	Comparison against predictions and historical data	42
13.5.	Proposed Improvements	46
14.	REHABILITATION	46
14.1.	Overview	46
14.2.	Management Practices	46
14.3.	Monitoring Performance	46
14.4.	Proposed Improvements	46
15.	TRAFFIC MANAGEMENT	47
15.1.	Overview	47
15.2.	Environmental Management	47
15.3.	Environmental Monitoring Results	47
15.4.	Community Complaints	48
15.5.	Proposed Improvements	48
16.	HERITAGE	48
16.1.	Overview	48
16.2.	Environmental Management	48
16.3.	Environmental Monitoring Results	49
16.4.	Proposed Improvements	49
17.	COMMUNITY	49
17.1.	Community Environmental Complaints	49
17.2.	Community Engagement	50
18.	INDEPENDENT AUDIT	50
19.	INCIDENTS AND NON -COMPLIANCES.....	51
20.	ACTIVITIES TO BE COMPLETED IN NEXT REPORTING PERIOD	51

Figure 1 - Regional locality	4
Figure 2 – Hera-Federation Mine	5
Figure 3 – Hera Mine layout	6
Figure 4 – Federation Mine layout	7
Figure 5 - Summary of meteorological conditions for the FY2025 reporting period.	16
Figure 6 – Annual Rainfall summary 2014 –2025.	17
Figure 7 - Temperature Summary for FY25	17
Figure 8 - Wind Rose for Hera (1 July 2024 to 30 June 2025) – Direction wind coming from.	18
Figure 9 - Average Sigma Theta and Relative Humidity during the reporting period.	18
Figure 10 – Air quality and noise monitoring network	19
Figure 11- TSP Long Term Annual Averages	22
Figure 12 – HVAS PM ₁₀ 24 hr averages	23
Figure 13 – EBAM PM ₁₀ 24hr averages	23
Figure 14 – E-Sampler 1 PM ₁₀ 24hr averages	24
Figure 15 – E-Sampler 2 PM ₁₀ 24 hr averages	24
Figure 16 - PM ₁₀ Long Term Annual Averages	25
Figure 17 - Plant Community Types and Monitoring plots	32
Figure 18 –Surface Water Locations	35
Figure 19 – Groundwater Monitoring Locations	36
Figure 20 – Standing Water Levels – Hera Groundwater bores	39
Figure 21 – Standing Water Levels – Federation Groundwater bores	41
Figure 22 – Federation Groundwater bores – pH.....	41
Figure 23 – Federation Groundwater bores – Electrical conductivity	42
Figure 24 – Hera Groundwater Standing Water Levels 2020 to 2025	43
Figure 25 – Federation Groundwater Standing Water Levels 2020 to 2025	43
Figure 26 – Hera groundwater – pH 2020 to 2025	44
Figure 27 – Hera groundwater – Electrical Conductivity 2020 to 2025	44
Figure 28 – Federation Groundwater – pH 2020 to 2025	45
Figure 29 – Federation Groundwater – Electrical Conductivity 2020 to 2025	45
Figure 30 – Groundwater take – 2021/21 to 2024/25	46
Figure 31 - Summary of complaints received for the life of the Hera –Federation	49

Table 1: Statement of Compliance	1
Table 2: Non -compliances during the reporting period.	1
Table 3: Compliance status categories	2
Table 4: Independent Environmental Audit Summary of Statutory Compliance	2
Table 5: SSD 24319456 Annual Review Conditions	8
Table 6: Mine Contacts	9
Table 7: Consents, leases and licences	10
Table 8: Production summary for the FY2025 period	11
Table 9: Operating Hours	11
Table 10: Summary of Ore Transport to Peak Mine	12
Table 11: Environmental Performance Summary	14
Table 12: Air Quality Monitoring Criteria	21
Table 13: Stack Nitric Oxide Monitoring Criteria and Results	21
Table 14: FY2025 PM ₁₀ Daily minimum, maximum and average results	22
Table 15: FY2023 NGERs Data	25
Table 16: Blast Criteria	26
Table 17: Noise Criteria	27
Table 18: Noise Monitoring Results	28
Table 19: Vegetation Integrity Score	29
Table 20: Waste Management during FY25	33
Table 21: Historical waste stream quantities	33
Table 22: Surface Water Monitoring Points	37
Table 23: Groundwater Monitoring Points	38
Table 24: Groundwater Monitoring Results for the reporting period	38
Table 25: Federation Groundwater Monitoring Results for the reporting period	40
Table 26: Water Take	42
Table 27: Groundwater Extraction Per Bore	42

Table 28: Quantity of ore and average daily vehicle movements – Federation to Peak Mine.	48
Table 29: Summary of complaints.	49
Table 30: Summary of Community Consultation during the FY24 Reporting Period.	50
Table 31: Reported incidents during 2025FY.	51
Table 32: Activities proposed for the next Annual Reporting Period.	51

Abbreviations

Term	Definition
µg	Micrograms
µm	Micrometer
BCS	Biodiversity, Conservation and Science Directorate
BSA	Biodiversity Stewardship Agreement
CCC	Community Consultative Committee
dB	Decibel
DPHI	Department of Planning , Housing and Infrastructure
EA	Environmental Assessment
EPA	Environmental Protection Authority
EPL	Environment Protection Licence
HVAS	High Volume Air Sampler
Insoluble Solids	The insoluble portion of the dust deposited in dust deposition gauge
m ³	Cubic metre
ML	Mining Lease
mm/s	The peak of the vibration in millimeters per second
NRAR	Natural Resources Access Regulator
NSW	New South Wales
Oz	Ounce
PM ₁₀	Particulate Matter less than 10µm
PPE	Personnel Protective Equipment
RMP	Rehabilitation Management Plan
RR	Resources Regulator
SDS	Safety Data Sheet
SWL	Standing Water Level
t	Tonne
tpa	Tonnes Per Annum
TSF	Tailings storage facility
TSP	Total Suspended Particulates
WAL	Water Access Licence
WLL	Western Lands Lease
WRE	Waste Rock Emplacement
WAD	Weak Acid Dissociable Cyanide

1. STATEMENT OF COMPLIANCE

A summary of compliance at Hera Mine during 1 July 2024 to 30 June 2025 is provided in **Table 1**.

Table 1: Statement of Compliance

Were all conditions of the relevant approval(s) complied with?	
SSD 24319456	No
EPL 20179	Yes
Mining Lease 1686	Yes
Mining Lease 1746	Yes
Mining Lease 1862	No
Water Access Licence 43173	Yes

A summary of the non-compliances during the reporting period have been summarised in **Table 2**. The non-compliances during the FY2024/25 reporting period are discussed further in **Section 1.8**. The non-compliance categories are described in **Table 3**.

Table 2: Non-compliances during the reporting period.

Relevant Approval and condition	Condition description summary	Date	Compliance Status	Comments
SSD 24319456, Schedule 2, A13A	Entry and exit times	14 March 2025 16 April 2025 17 April 2025 19 April 2025 21 April 2025 29 April 2025 01 May 2025 07 May 2025 08 May 2025 11 May 2025 14 May 2025 19 May 2025		Trucks entering Federation site prior to 7am throughout April and May 2025 outside allowable entry and exit times described in SSD 24319456.
SSD 24319456, Schedule 2, B22	Air Quality PM _{2.5}	3 May 2023 to present		PM _{2.5} monitoring not undertaken during the reporting period. Review of air quality monitoring network in progress.
SSD 24319456, Schedule 2, B22	Air Quality PM ₁₀	24 April 2025		Exceedance of daily criteria on 24 th April 2025 at the HVAS. Event localised as PM ₁₀ daily values at E -Samplers 1 and 2 were both below criteria for the same time period. Review of air quality monitoring network in progress
SSD 24319456, Schedule 2, B22	Air Quality PM ₁₀	22 December 2024 27 May 2025		Exceedance of PM ₁₀ 24-hour criteria at E - Sampler 2 (EPA ID44) on 22 December 2024 and 27 May 2025. During both exceedances wind direction was from the SSW and NNW respectively which blows dust onto the site.
SSD 24319456, Schedule 2, C12b	Independent Environmental Audit	9 July 2025		Independent Environmental Audit and Response to Audit Report was not submitted within specified timeframe by SSD 24319456. A request to extend the timeframe for submission was provided to DPHI post the submission date.

Table 3: Compliance status categories

Risk Level	Colour Code	Description
High	Non-Compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence.
Medium	Non-Compliant	Non-compliance with the potential for serious environmental consequences but is unlikely to occur; or potential for moderate environmental consequences but is likely to occur.
Low	Non-Compliant	Non-compliance with potential for moderate environmental consequences but is unlikely to occur; or potential for low environmental consequence but is likely to occur.
Administrative non-compliance	Non-Compliant	Non-compliance which does not result in any risk of environmental harm.

The Independent Environmental Audit (IEA) conducted in May 2025 identified several non compliances with conditions of SSD 24319456 and ML1862. A summary is provided below in As per details in Section 17, the IEA report and Hera Resources response was submitted to DPHI in August 2025. A full copy of the IEA is available on the Aurelia Website.

Table 4.

Table 4: Independent Environmental Audit Summary of Statutory Compliance

Approval/ Licence	No. of Requirements	Compliant	Non-compliant	Noted	Not Triggered
SSD 24319456	222	133	22	24	43
Mining Lease Standard Conditions	85	30	6	22	27
TOTAL	307	163	28	46	70

2. INTRODUCTION

2.1. OVERVIEW OF HERA-FEDERATION

Hera-Federation Mine is an underground metalliferous mine owned by Hera Resources Pty Ltd (Hera Resources), a wholly owned subsidiary of Aurelia Metals Limited (Aurelia). The mine is located approximately 100km southeast of Cobar and approximately 4km south of Nymagee in the central west of New South Wales (NSW) (refer **Figure 1**). The site consists of an underground mine, a run -of- mine (ROM) pad, temporary waste rock emplacement (WRE), processing plant, tailings storage facility (TSF), and associated infrastructure and ancillary activities (refer **Figure 2**).

The Hera site transitioned into care and maintenance during April 2023 with all mining and processing operations ceasing during May 2023.

On 2 March 2023 State Significant Development (SSD -24319456) for the Federation Project was approved by DP HI (formerly DPE). The consolidated consent has since been modified twice. Modification 1 was approved on 27 November 2023 regarding changes to biodiversity offset staging and Modification 2 was approved on 27 March 2025. Modification 2 allowed for the options for haulage between 7am and 10pm of up to 600ktpa of ore to Peak Gold Mine (PMG) for processing, throughout the life of mine, reclaim of tailings from the existing Hera Mine Tailings Storage Facility (TSF) for paste backfill at Federation Mine; and minor rearrangement of infrastructure at Federation Mine within the approved disturbance area, inclusive of new water tank.

Operations at Federation officially commenced on 3 May 2024.

Copies of this Annual Review are distributed to DP HI and Cobar Shire Council. Additionally, a copy will be made available to the Community Consultative Committee (CCC) and on the Aurelia Metals website for the general public.

2.2. REPORT PURPOSE

This Annual Review document has been prepared in accordance with the following:

- Schedule 2, Condition C10 of SSD 243 19456
- Mining Leases
- EPL 20 179

The Annual review will be submitted to DPHI for approval. Once accepted by DPHI, the Annual Review will be made available on the Aurelia website in accordance with Schedule 2, Condition C15 of SSD 243 19456. In accordance with Schedule 2, Condition C11, copies of the Annual Review will be provided to Cobar Shire Council (CSC) and made available to the Community Consultative Committee (CCC) and any interested person upon request.

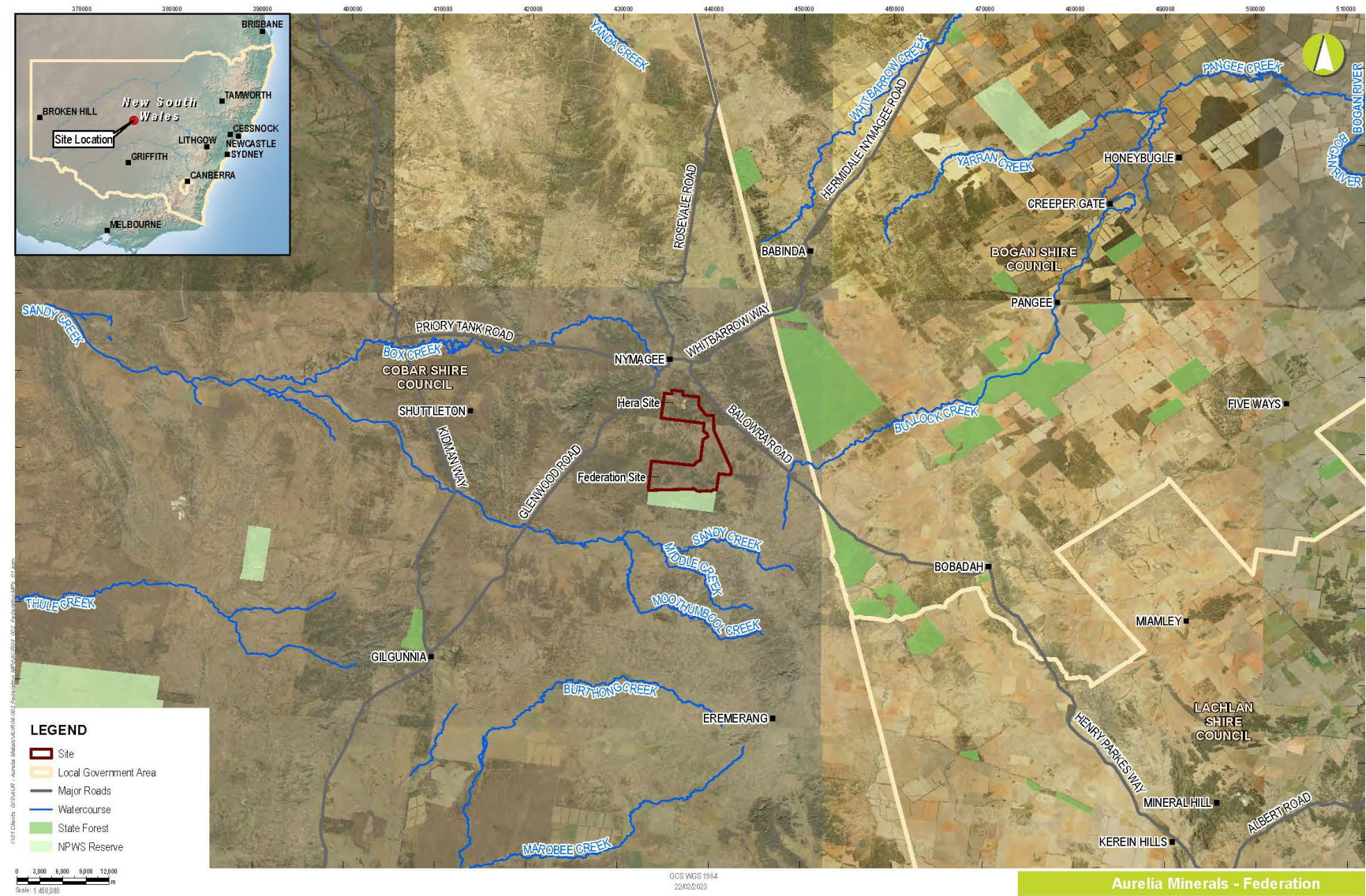


Figure 1- Regional locality

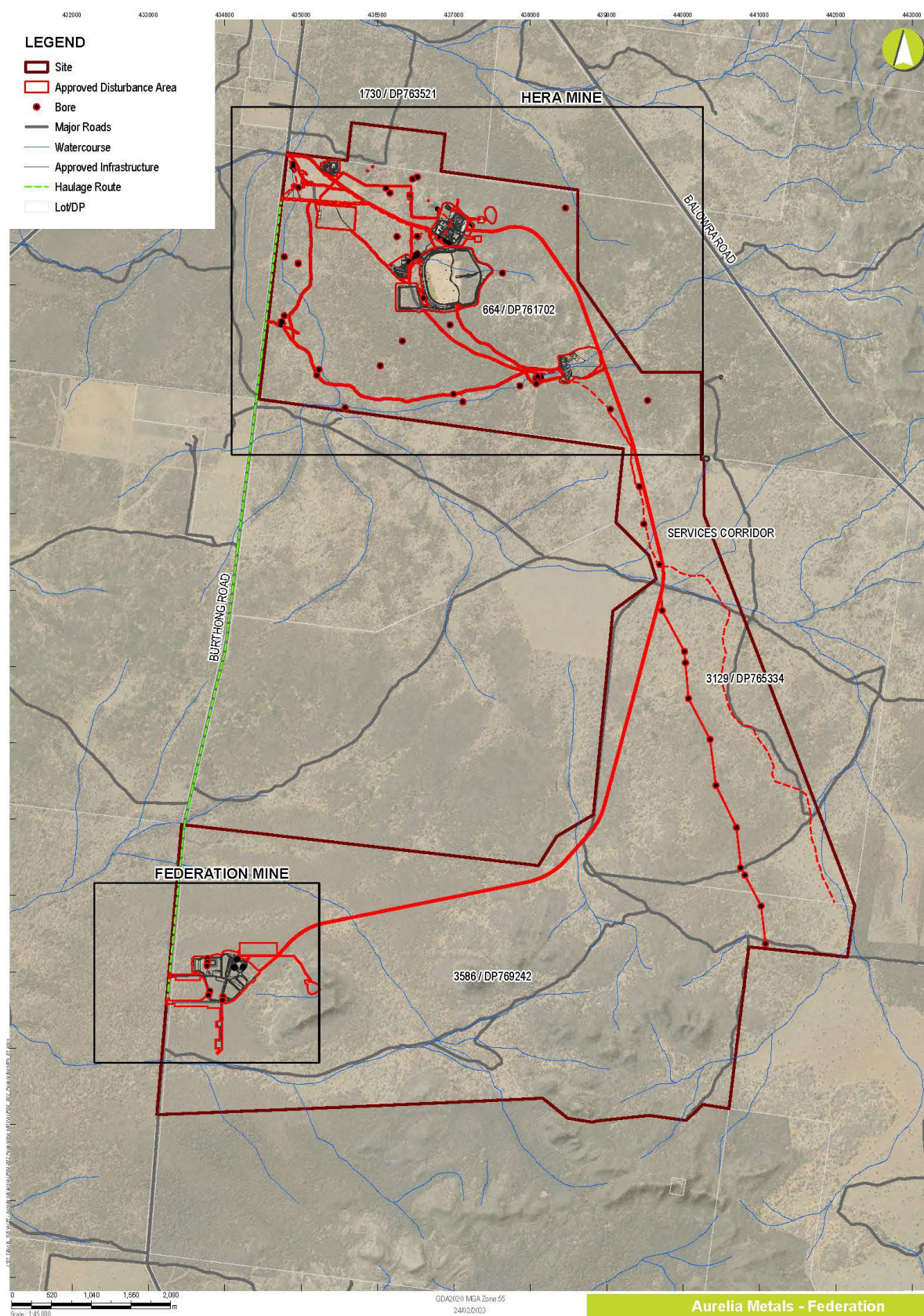


Figure 2 – Hera-Federation Mine

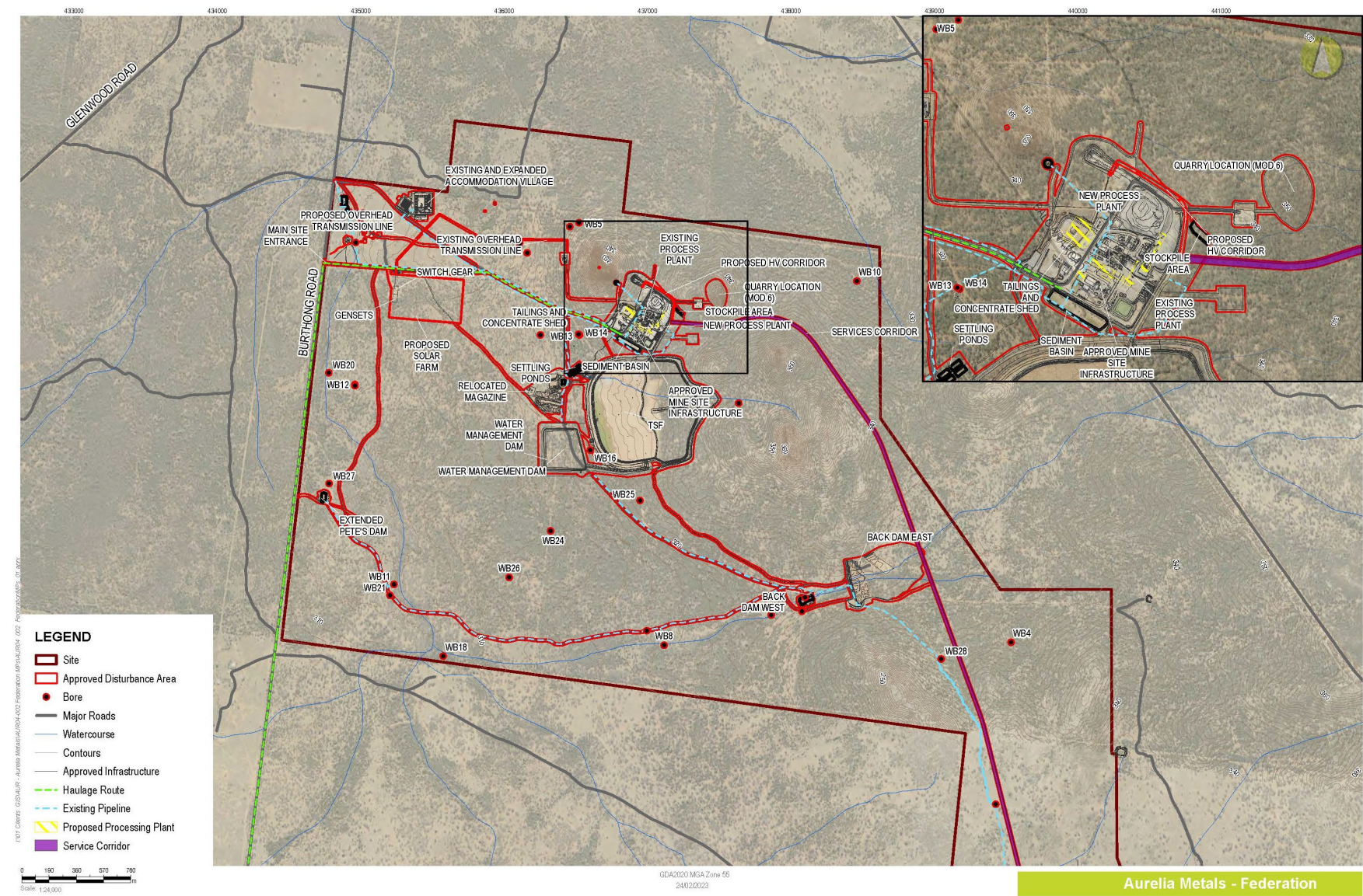


Figure 3 – Hera Mine layout

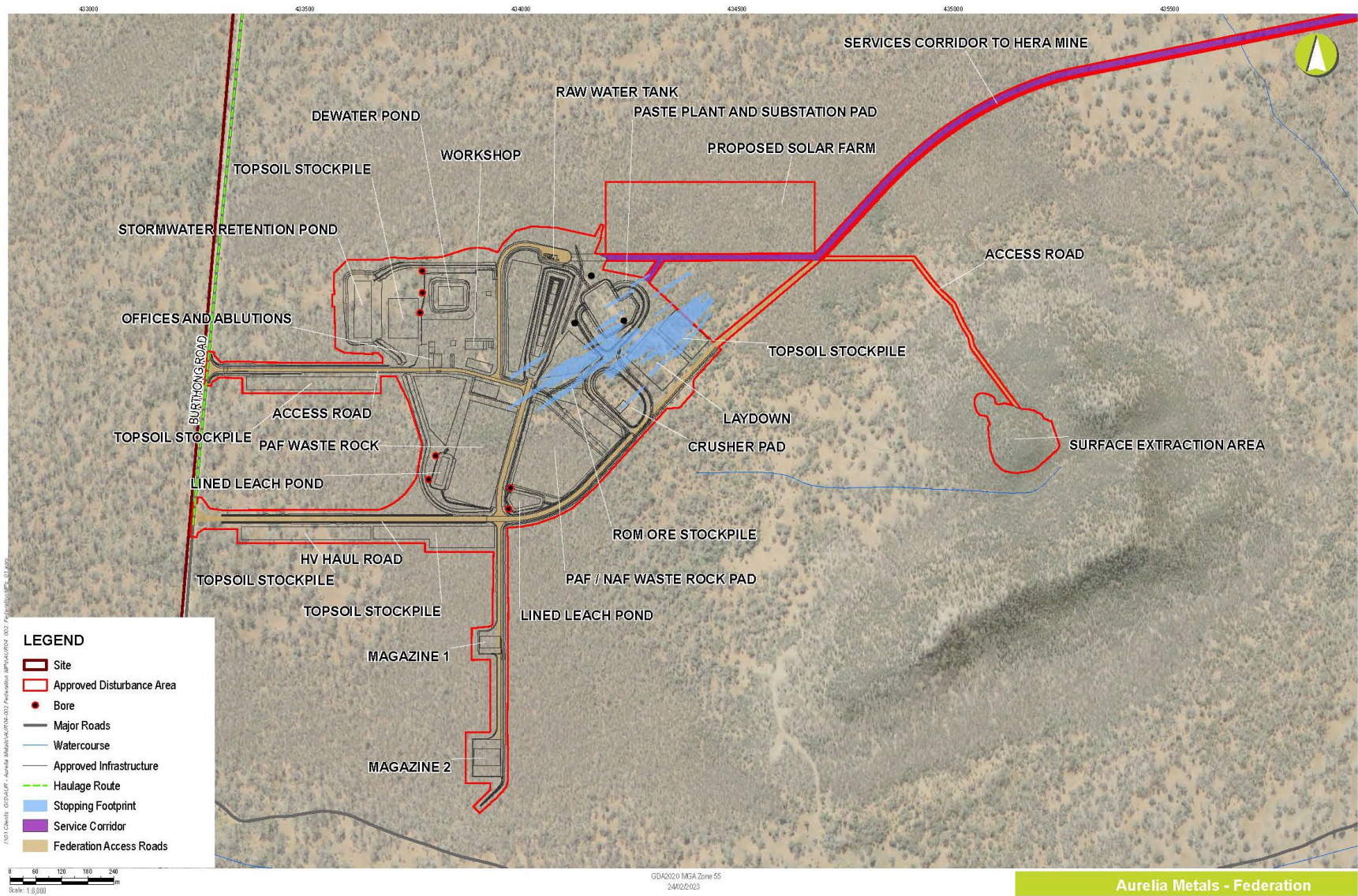


Figure 4 – Federation Mine layout

2.3. ANNUAL REVIEW REQUIREMENTS

Included in **Table 5** are the requirements for the Annual Review as identified in Schedule 2 of SSD 24319456.

Table 5: SSD 24319456 Annual Review Conditions

Condition	Requirement	Where addressed
B56	The Applicant must : (a) keep accurate records of the: (i) amount of of ore, concentrate and/or waste transported from the site , includeing between Hera Mine and Federation Mine (on a daily basis); and (ii) number of daily and annual truck movements generated by the development; and); (iii) (b) publis h a summary of the results in the Annual Review.	Section 4.1.4
C10	By the end of September each year after the date of physical commencement of development under this consent, or other timeframe agreed by the Planning Secretary, a report must be submitted to the Department reviewing the environmental performance of the development, to the satisfaction of the Planning Secretary. This review must (a) describe the development (including any rehabilitation) that was carried out in the previous financial year , and the development that is proposed to be carried out over the current financial year;	Section 4
C10(b)	Include a comprehensive review of the monitoring results and complaints records of the development over the previous financial year, which includes a comparison of these results against the: (i) relevant statutory requirements, limits or performance measures/criteria; (ii) requirements of any plan or program required under this consent ; (iii) monitoring results of previous years; and (iv) relevant predictions in the documents listed in condition A2(c) ;	Section 6 - 16
C10(c)	Identify any non -compliance or incident which occurred in the previous financial year , and describe what actions were (or are being) taken to rectify the non - compliance and avoid reoccurrence;	Sections 1 and 18
C10(d)	Evaluate and report on compliance with the pe rformance measures, criteria and operating conditions of the consent ;	Section 6 - 16
C10(e)	Identify any trends in the monitoring data over the life of the development	Section 6 - 16
C10(f)	(f) identify any discrepancies between the predicted and actual impacts of the development, and analyse the potential cause of any significant discrepancies; and	Section 6 - 16
C10(g)	(g) describe what meas ures will be implemented over the next financial year to impr ove the environmental performance of the development.	Section 19
C15	Within three months of the date of physical commencement of development under this consent, until completion of all rehabilitation required under this consent, the Applicant must: (a) make the following information and documents (as they are obtained, approved or as otherwise stipulated within the conditions of this consent) publically available on its website : (x) the Annual Reviews of the development ; and keep such information up to date , to the satisfaction of the Planning Secretary .	

2.4. MINE CONTACTS

Contact details for key personnel responsible for environmental management at Hera - Federation are included in **Table 5**.

Table 6: Mine Contacts

Name	Role	Phone Number	Email address
Angus Wyllie	General Manager - Cobar Region	0447 654 576	angus.wyllie @aureliametals.com.au
Scott Ginnivan	HSEC Manager – Cobar Region		scott.ginnivan@aureliametals.com.au
Lucija Hossack	Environment Advisor		lucija.hossack @aureliametals.com.au
Jonathon Thompson	Group Manager - Environment and Community	0488 065 144	jonathon.thompson@aureliametals.com.au
General Enquiries /Complaints	-	1800 437 264	hera.community@aureliametals.com.au

3. APPROVALS

3.1. OVERVIEW

Table 7 lists the relevant consents, leases and licences associated with Hera Mine. These are discussed in further detail in the following sections.

Table 7: Consents, leases and licences

Consent/Lease/Licence	Licence Number	Date of Issue	Expiry	Relevant Authority
Project Approval – Hera	10_0191	31 July 2012	Surrendered	DPHI
Project Approval - Federation	SSD 24319456	2 March 2023	31 December 2036	DPHI
Development Consent	2012/LD - 00004	14 March 2012	N/A	Cobar Shire Council
Development Consent	2019/LD -00027	13 December 2019	N/A	Cobar Shire Council
Development Consent	2021/LD -00010	13 July 2021	N/A	Cobar Shire Council
Mining Lease	ML 1686	16 May 2013	16 May 2034	Resources Regulator
Mining Lease	ML 1746	7 December 2016	7 December 2037	Resources Regulator
Mining Lease	ML1862	16 October 2023	16 October 2024	Resources Regulator
Exploration Lease	EL 6162	26 November 2003	26 November 2030	Resources Regulator
Environment Protection Licence	20179	31 October 2023	N/A - Anniversary date 18 March	EPA
Water Access Licence (WAL)	WAL 43173	6 March 2020	N/A	NRAR
Western Land Lease	WLL 2455	4 April 1911	Perpetual Lease	Crown Lands
Western Land Lease	WLL 5379	8 November 1943	Perpetual Lease	Crown Lands
Dangerous Goods Licence	35/038197	22 November 2011	Expires: N/A	SafeWork NSW
Explosives Licence	XSTR200011	2012	6 June 2027	SafeWork NSW
Explosives Licence	XSTR200131	18 November 2022	22 August 2027	SafeWork NSW
Radiation Licence	5066818	16 April 2019	N/A - Anniversary date 30 July	EPA

4. OPERATIONS SUMMARY

4.1. MINING OPERATIONS

4.1.1. Production Summary

The production summary for the reporting period is included in Table 7. Also included in Table 7 is a comparison against the production rates from the previous reporting period s (FY 23 and 24) along with forecast production values for the next reporting period (FY26)

Table 8: Production summary for the FY2025 period

Material	Approved Limit (SSD 24319456)	FY 2024 (Actual)	FY 2025 (Actual)	FY 20256 (Forecast)
Waste Rock	N/A	200,051t	284,000t	429,719 t
ROM Ore	750 ,000 t	0 t	106,153	331,710 t
Tailings (Solids)	N/A	0 t	0 t	0 t
Saleable Product (Gold)	N/A	0 oz	0 oz	0 oz
Saleable Product (Lead / Zinc Bulk Concentrate)*	N/A	0 t	0 t	0 t

4.1.2. Hours of Operation

The approved operating hours for construction and operation activities at Hera -Federation are summarised in Table 8. The operating hours conditions were complied with during the reporting period except for two (2) event s associated with the transport of ore from Federation to Peak Mine when truck entered the site before 7am in March and May 2025 (see Table 2).

Table 9: Operating Hours

Activity	Day	Time
Vegetation clearing and topsoil stripping	Any day	7am – 6pm
Construction	Any day	Any time
Mining, maintenance and processing operations	Any day	Any time
Rehabilitation	Any day	Day/evening
Transportation of lead and zinc concentrate and gold ore from the site	Any day	Daylight hours
Transportation of ore from the site	Any day	7am-10pm
Transportation of waste rock to the site	Any day	Daylight hours

4.1.3. Mineral Processing and Transport

During FY2025, due to the Hera site being in Care and Maintenance no tailings or bulk concentrate was produced or transported to Hermidale siding.

4.1.4. Ore Transport

During the reporting period ore was transported to the Peak Mine as per SSD 24319456. Trucking commenced in November 2024 and continued throughout the remaining reporting period. As per the requirements of Schedule 2, Condition B56 , the quantity of ore transported from the site, daily and annual truck movements are summarised in Table 10.

Table 10: Summary of Ore Transport to Peak Mine

Month	Average daily truck movements *	Monthly truck movements *	Quantity of ore transported (t)
November 2024	13.2	132	4,203.55
December 2024	19.37	368	12,407.9
January 2025	0	0	0
February 2025	6.67	20	716.4
March 2025	15.62	406	15,607.75
April 2025	16	480	16,657.55
May 2025	19.1	592	21,235.25
June 2025	16.2	486	17,314.05
TOTAL		2,484	88,142.45
<i>* Federation to Peak Mine and return to Federation is considered to be 2 vehicle movements</i>			

4.2. NEXT REPORTING PERIOD

During the next reporting period infrastructure at Federation will continue to be constructed. This will include a temporary PAF stockpile.

Associated works also include Kidman Way Road upgrade works and enhancement of the environmental monitoring networks.

5. ACTIONS REQUIRED FROM PREVIOUS ANNUAL REVIEWS

The 2023 - 2024 Annual Review was submitted to the DP HI, RR, EPA, Cobar Shire Council and Bogan Shire Council. A post approval document notification was received to indicate the department had received the Annual Review.

No comments were received from other agencies or councils.

6. ENVIRONMENTAL PERFORMANCE

Provided in **Table 11** is a brief account of the environmental performance across the aspects relevant to Hera-Federation. Additional information on environmental performance across these aspects is included in Sections 7 to 17. A key aspect of managing environmental performance is the collection and review of environmental monitoring data. The location of Hera-Federations' environmental monitoring sites are shown in **Figure 10** – Air quality and noise monitoring network, **Figure 17** - Plant Community Types and Monitoring plots, **Figure 18** –Surface Water Locations and **Figure 19** – Groundwater Monitoring Locations. The monitoring sites shown in these figures are referenced throughout this document.

Table 11 Environmental Performance Summary

Aspect	Summary of reporting period performance	Trend / key management implications	Implemented / proposed management actions
Air Quality	Non-compliances with SSD 24319456 related to exclusion of PM _{2.5} monitoring from air quality program and exceedances of PM ₁₀ criteria.	General compliance with air quality criteria.	Review of air quality monitoring network. Additional monitoring instrumentation to be installed to meet compliance requirements. Continued management of dust generation on Tailings Storage Facility utilising evaporators and fine misting.
Blasting	No non-compliances with blast and vibration criteria.		Application to remove requirement for utilisation of system to keep public up to date on blast schedule due to underground nature of the mining operations and proximity of sensitive receivers
Noise	No non-compliances with noise criteria for attended and unattended monitoring. Noise complaint related to road noise investigated.		Continue investigations and potential mitigation actions where necessary for traffic noise complaint.
Biodiversity	Annual biodiversity survey was undertaken.	Vegetation Integrity monitoring to be used as benchmark for future monitoring. Higher number of native and threatened species identified compared to previous surveys.	Continue management and monitoring of Hera-Federation sites in line with the Biodiversity Management Plan. Continued management and monitoring of Chelsea Offset area in line with Biodiversity Stewardship Agreement.
Waste Management	All wastes removed from site by licenced contractors and disposed of at licenced and appropriate facilities.	Waste volumes increased compared to previous reporting periods. Increase due to commencement of mining at Federation.	Continue current management of wastes on site. Implement improvements to hydrocarbon management where necessary.
Water Management	No discharge from Hera or Federation sites. All groundwater monitoring undertaken at Hera and Federation in line with EPL requirements. Additional groundwater bores completed at Federation.	Standing water levels, pH and EC remained relatively constant for all groundwater bores throughout the reporting period. Observation bores on the Tailings Storage Facility, Federation Mine water dam and Lined leachate ponds remained dry.	Continue monitoring of surface and groundwater in line with EPL requirements and the Water Management Plan.
Rehabilitation	Capping several exploration drill holes. Preparation and submission of Annual Rehabilitation Review and Forward Work Programs.	No areas were available for progressive rehabilitation.	Rehabilitation of exploration drill holes and pads as areas become available.

Aspect	Summary of reporting period performance	Trend / key management implications	Implemented / proposed management actions
Community	Quarterly Community Consultative Committee meeting undertaken	Community complaints decreased compared to previous reporting period.	

7. METEOROLOGY

In accordance with Schedule 2, Condition B29 of SSD 24319456, and Condition M4 of EPL 20179, Hera-Federation continued to operate the meteorological station throughout the reporting period. The meteorological station is located in the north-west of the Hera site (refer **Figure 10**), and monitors rainfall, wind speed, wind direction, temperature, sigma theta, solar radiation and relative humidity.

In general, the reporting period was slightly drier when compared to previous years. Total annual rainfall was 413.6 mm, compared to 477.74 mm during 2023/24 (see **Figure 6**). The daily minimum and maximum temperature as measured at 10m ranged from -5.66 °C to 40.85 °C, with an average daily maximum of 31.28 °C. It is noted that there was an issue with the weather station on 2nd and 3rd September where the temperature readings remained at -20 (see **Figure 7**). The cause of these readings is unknown however there was no further occurrences of this issue during the reporting period. Average daily wind speeds ranged from 1.81 to 9.91 km/h, with a maximum wind gust of 35.89 km/h.

Rainfall and wind speed data has been summarised in **Figure 5**, temperature data in **Figure 7**, wind direction data in **Figure 8** and Sigma Theta and relative humidity data in **Figure 9**. The meteorological monitoring results provide context for the environmental monitoring and management discussed further in this document.

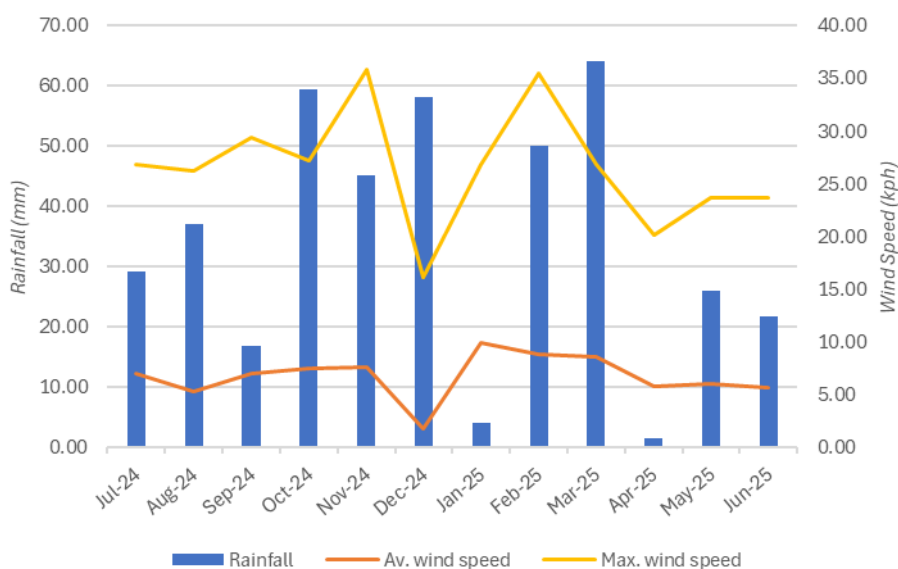


Figure 5 - Summary of meteorological conditions for the FY2024-25 reporting period.

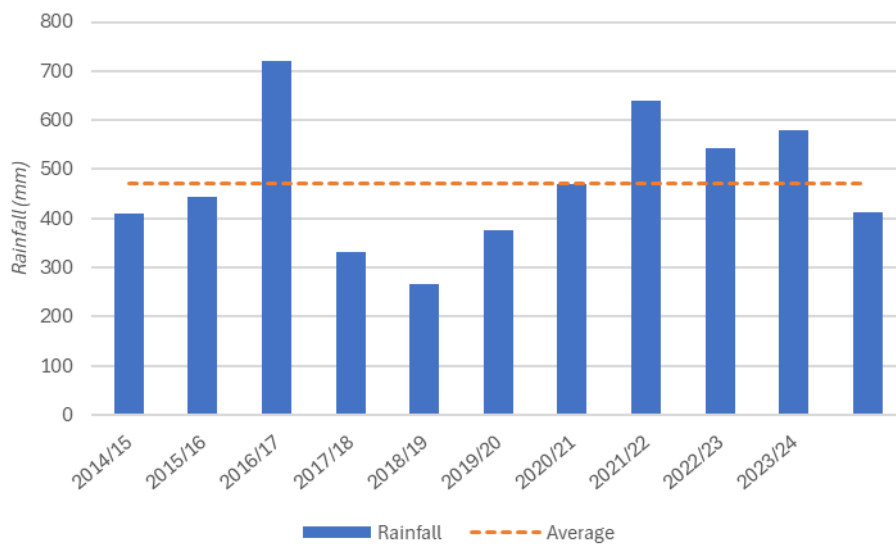


Figure 6 – Annual Rainfall summary 2014 -2025.

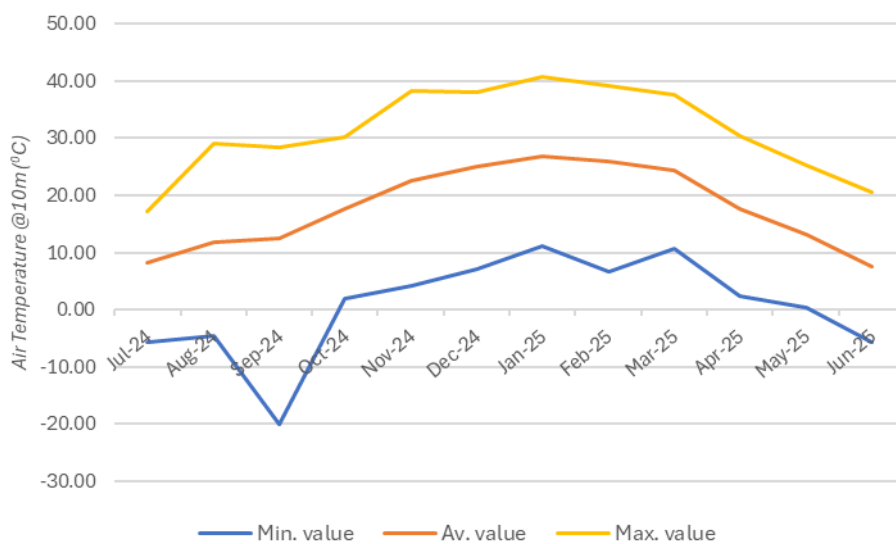


Figure 7 - Temperature Summary for FY25

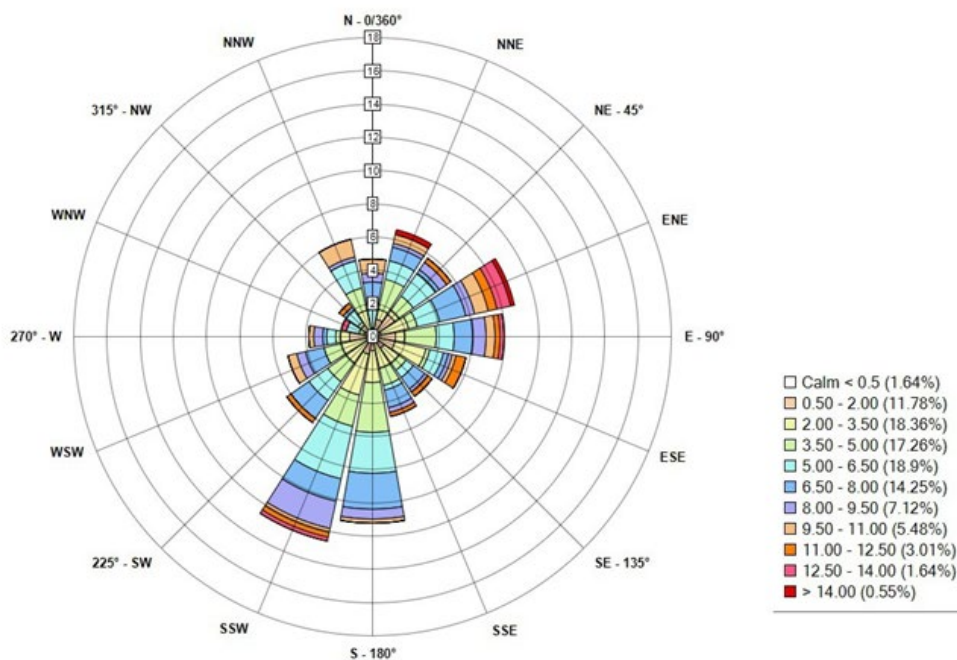


Figure 8 - Wind Rose for Hera (1 July 2024 to 30 June 2025) - Direction wind coming from.



Figure 9 - Average Sigma Theta and Relative Humidity during the reporting period .

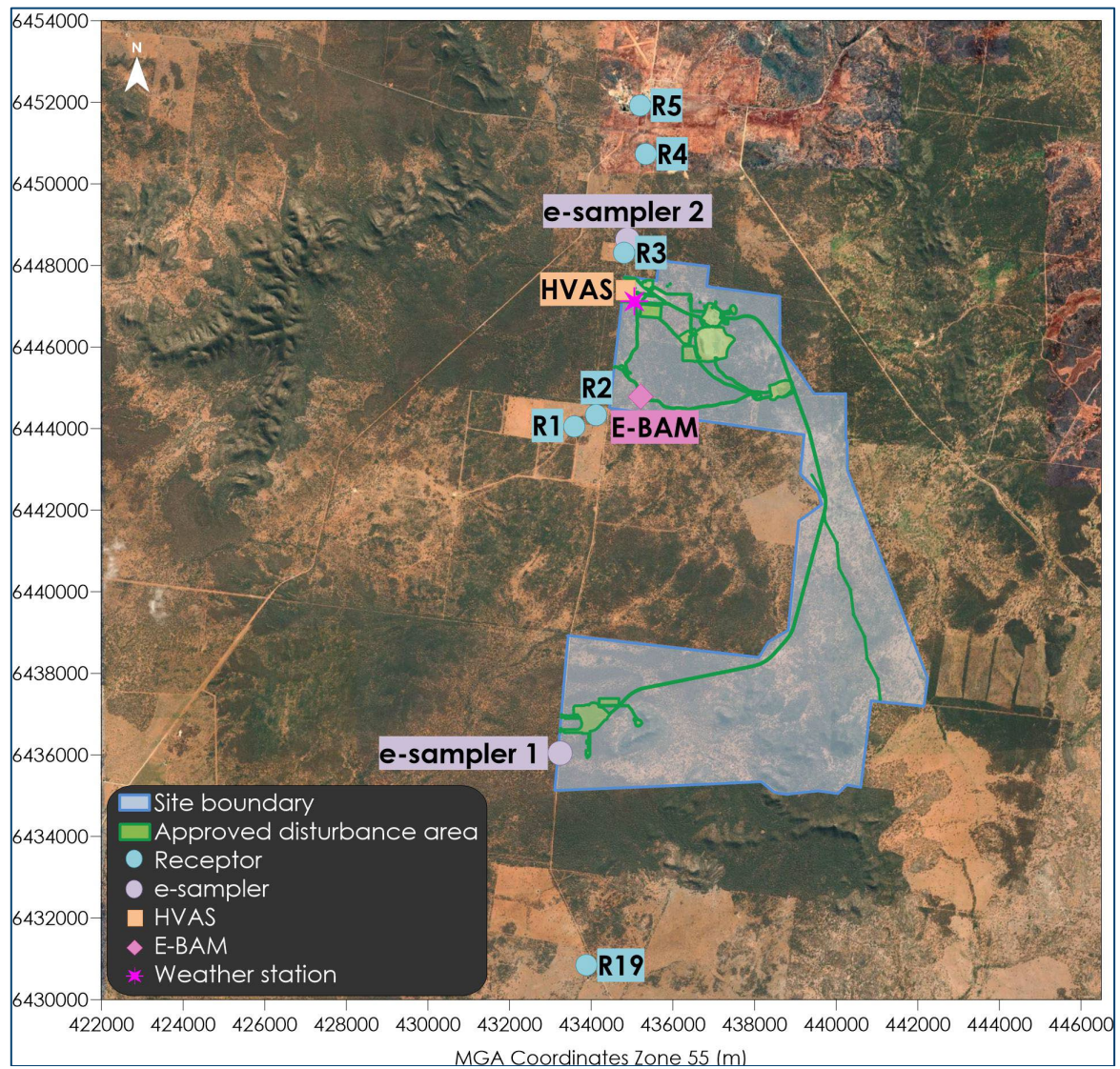


Figure 10– Air quality and noise monitoring network

8. AIR QUALITY AND GREEN HOUSE GAS

8.1. OVERVIEW

Hera-Federation has a requirement to ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not cause exceedances of the criteria listed in Schedule 2, Condition B22 of SSD 24319456 manage emissions to air to minimise potential impacts on receptors. Included in the Air Quality and Greenhouse Gas Management Plan (AQGHGMP) are the relevant air quality impact assessment criteria from Schedule 2, Condition B22 along with the air quality monitoring requirements set out in EPL 20179. A summary of the performance against air quality requirements during the reporting period is included in the below sections.

8.2. MANAGEMENT PRACTICES

Environmental management activities undertaken during the reporting period in relation to air quality included the following:

- Water trucks were operated on an average of twice per day (much more frequently during the drier periods) on unsealed roads and laydown areas to assist with dust control;
- Vehicles are washed upon returning to the surface from the decline or before leaving site;
- Loaded vehicles are covered before leaving site;
- Disturbance is limited to the minimum area necessary for mining and associated activities;
- Disturbance areas are stabilised as soon as practicable after they are no longer required for mining-related purposes;
- All dust control equipment must be operable at all times with the exception of shutdowns required for maintenance;
- Regularly maintain and service equipment as per the manufacturer's specification to maximise efficiency;
- Speed limits are restricted to 40 km/hr on all internal access roads to minimise dust generation;
- Progressively review and implement energy efficiency measures throughout the life of the mine; and
- Utilising energy efficient equipment and implementing energy saving measures over the life of the mine.

8.3. ENVIRONMENTAL PERFORMANCE

8.3.1. Monitoring Overview

Air quality monitoring is conducted using the following monitoring equipment:

- BAM Trailer – Beta Attenuation Monitor (BAM) used to monitor particulate matter less than 10 microns in diameter (PM₁₀). Operates in real time.;
- Dust Sentry 1 – Sentry monitor is used to monitor particulate matter less than 10 microns in diameter (PM₁₀). Operates in real time.;
- Dust Sentry 2 – Sentry monitor is used to monitor particulate matter less than 10 microns in diameter (PM₁₀). Operates in real time
- HVAS – High Volume Air Sampler (HVAS) used to monitor particulate matter less than 10 microns in diameter (PM₁₀) and Total Suspended Particulates (TSP). Located adjacent to the mine camp and operates over a 24-hour period, every sixth day; and
- S1 and S2 – Stack monitoring locations, used to monitor gas emissions from the two gold room furnace stacks (EPL Points 24 and 39). Emissions are monitored annually for nitric oxide concentrations (mg/m³) and in accordance with *Protection of the Environment (Clean Air) Regulation 2010*.

The location of some of the air quality monitoring locations and surrounding receptors are shown on

Figure 10. The criteria for deposited dust, TSP and PM₁₀ are provided in **Table 12.** Standard of concentration Group 6 – *Protection of the Environment Operations (Clean Air) Regulation 2010* limits for the pollutant Nitric Oxide are shown in **Table 13.** Monitoring of greenhouse gas emissions is undertaken in accordance with National Greenhouse and Energy Reporting (NGERs) monitoring and reporting requirements.

Table 12: Air Quality Monitoring Criteria

Pollutant	Averaging Period	^d Criterion
Particulate matter, 10 µm (PM ₁₀)	24 - hour	^a 50 µg/m ³
	Annual	^a 25 µg/m ³
Particulate Matter < 2.5 µm (PM _{2.5})	Annual	^{a, b} 8 µg/m ³
	24 - hour	^b 25 µg/m ³
Total Suspended Particulate (TSP) matter	Annual	^a 90 µg/m ³
Notes		
<i>a Total impact (i.e., incremental increase in concentrations due to the development plus background concentrations due to all other sources);</i>		
<i>b Incremental impact (i.e., incremental increase in concentrations due to the development on its own);</i>		
<i>c Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents or any other activity agreed by the Secretary.</i>		

8.3.2. Gold Room Stack Monitoring – Nitric Oxide

Monitoring Results

Monitoring of the Gold Room Scrubber Stack and the New Gold Room Baghouse stack are undertaken annually. Due to the Hera Site being in Care and Maintenance since March 2023 annual stack monitoring has not been undertaken.

Table 13: Stack Nitric Oxide Monitoring Criteria and Results

Emission Point	Units	Standard of Concentration (Group A)	Detected values
EPA ID 24 - Gold Room Scrubber Stack	mg/m ³	350	Processing plant was not operational during the reporting period.
EPA ID 39 - New Gold Room Baghouse Stack	mg/m ³		

8.3.3. TSP Monitoring

Monitoring Results

TSP data was collected using the HVAS on site. The TSP results at the HVAS were compliant with the 90µg/m³ annual criteria as shown in **Figure 11**

Comparison against prediction and historical data

Figure 11 presents the TSP annual averages from FY2021 to FY2025, as well as the Federation EIS annual average TSP prediction (average from all receivers) and SSD annual average TSP criteria (SSD 24319456, Condition B22)

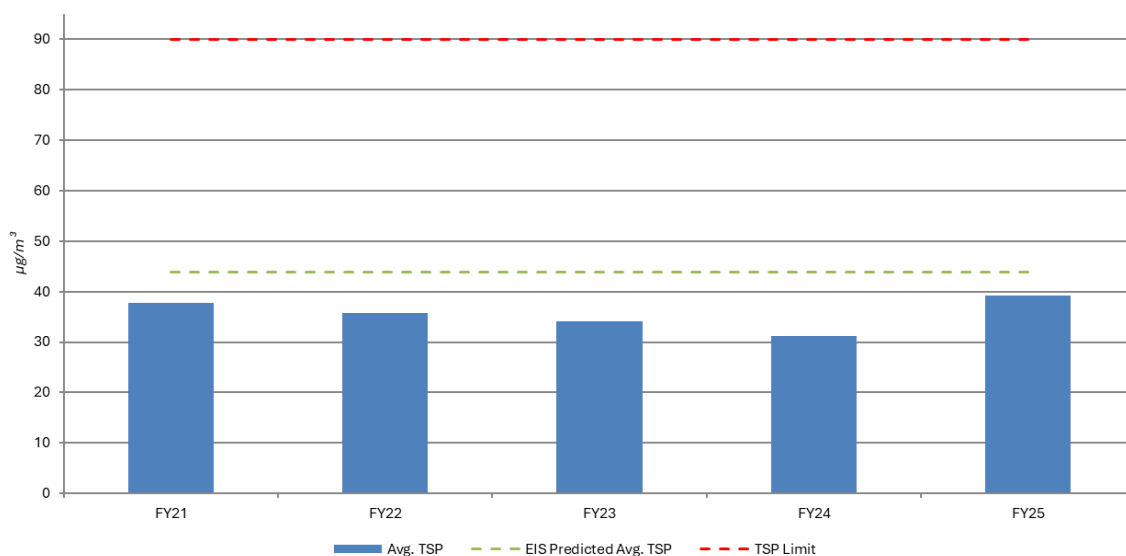


Figure 11- TSP Long Term Annual Averages

As shown in **Figure 11**, TSP results for FY2021 to 2024 showed a slight decrease year by year. The results for FY2025 show an increase in TSP compared with the previous 4 years but remains below the average TSP criteria. The increase could be attributed to increased activity at Federation as construction and mining operations commenced.

8.3.4. PM₁₀ Monitoring

Monitoring Results

A summary of the PM₁₀ monitoring results for the reporting period is included in **Table 14**.

Table 14: FY2025 PM₁₀ Daily minimum, maximum and average results

Monitor	EPA ID	Minimum (µg/m ³)	Maximum (µg/m ³)	Average (µg/m ³)
HVAS PM ₁₀		0.1	35.9	13.7
EBAM	42	-0.2	44.9	9.69
E-Sampler 1	43	2	41	10
E-Sampler 2	44	1	61	11

PM₁₀ criteria was exceeded on 24th April 2025 when the HVAS recorded a 24hr result of 79µg/m³ (**Figure 12**). A non-compliance notification was sent to DPHI and an investigation report will be provided to DPHI by 16 October 2025.

3

Data capture was decreased during December 2024 and January 2025 for E-Sampler 1 (**Figure 14**). This was due to an intermittent instrument fault of a zero calibration error. E-Sampler 2 was replaced at the end of January 2025 and data capture has been significantly improved since this time.

E-Sampler 2 reported a maximum daily (24hr) value of 61µg/m³ on 22 December 2024 and a value of 56µg/m³ on 27 May 2025 (**Figure 15**). These results exceeded the 24hr PM₁₀ criteria. A non-compliance notification was sent to DPHI on 5th September 2025. Weather conditions on 22nd December were hot and dry with a south-south westerly wind blowing onto the site resulting in increased PM₁₀ from offsite upwind agricultural activities south-west of E-Sampler 2. Winds were blowing from the north-north-west on 27th May 2025 onto site during a documented NSW dust storm. This exceedance could best be attributed to regional windblown dust.

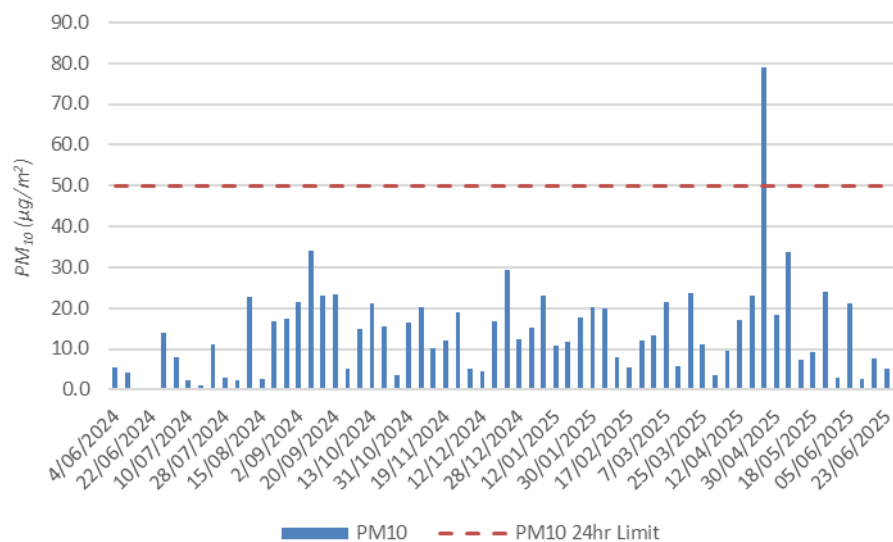


Figure 12– HVAS PM₁₀ 24 hr averages

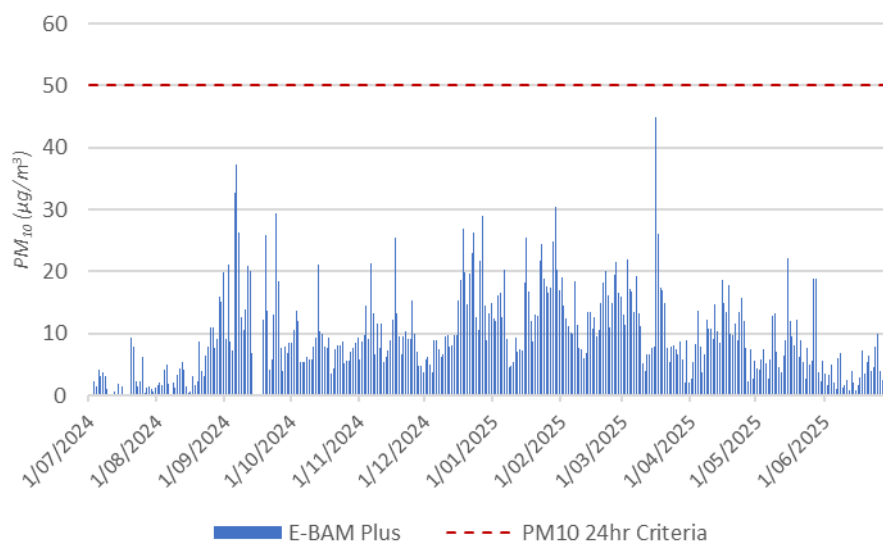


Figure 13– EBAM PM₁₀ 24hr averages

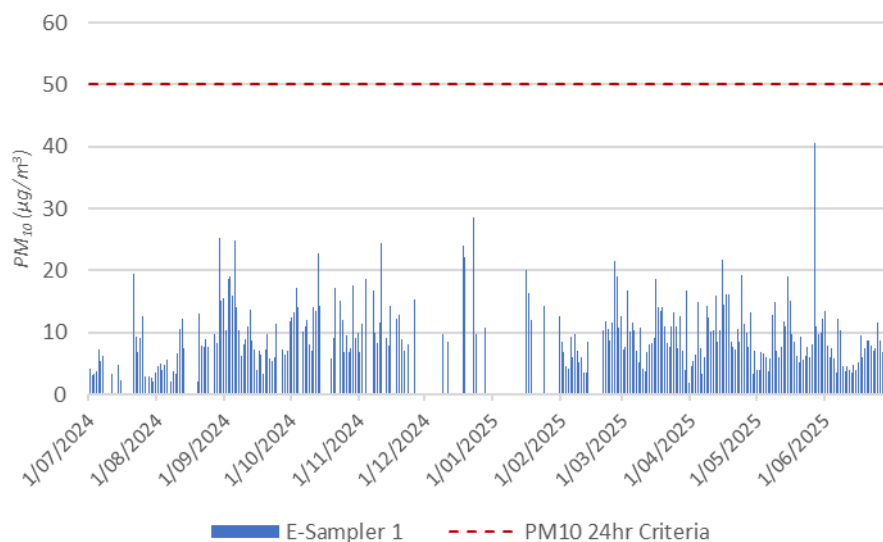


Figure 14– E-Sampler 1 PM₁₀ 24hr averages

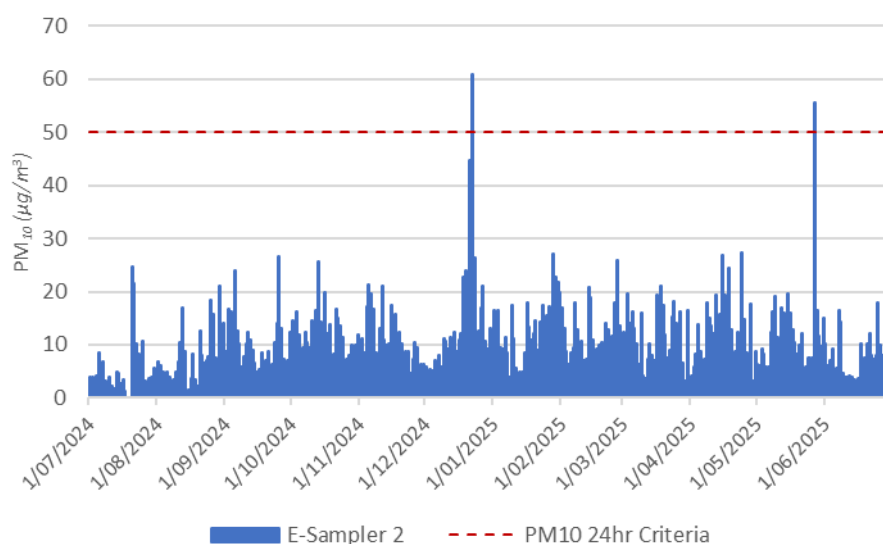


Figure 15– E-Sampler 2 PM₁₀ 24 hr averages

Comparison against prediction and historical data

Comparisons against predictions and historical data has been undertaken for HVAS data only as EBAM and E-Sampler data have only been collected for 12 months.

Figure 16 presents the PM₁₀ annual averages from FY2021 to FY2025, as well as the Federation EIS annual average PM₁₀ prediction and PA annual average PM₁₀ criteria (SSD 24319456, Schedule 2, Condition B22).

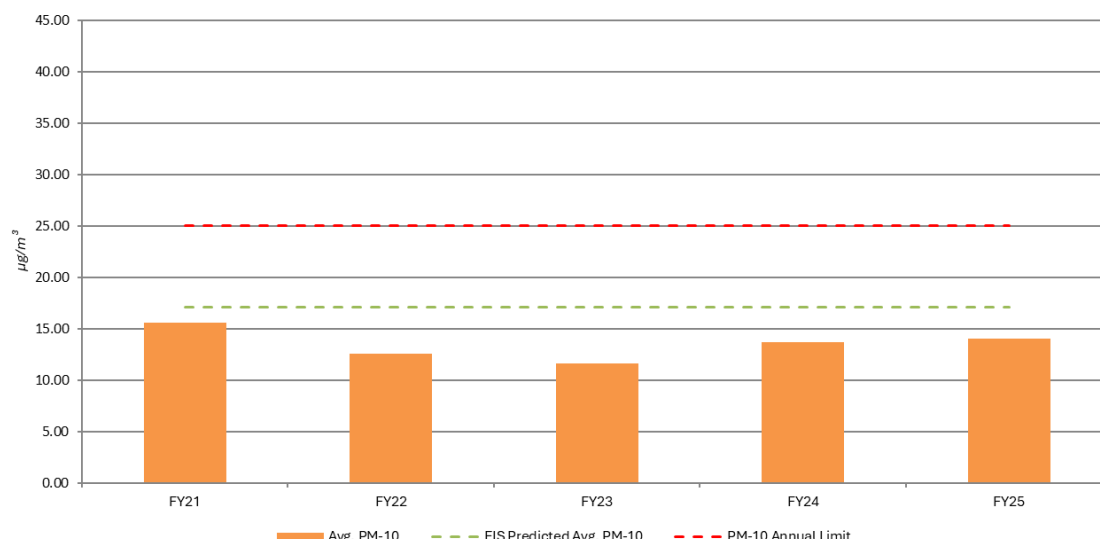


Figure 16- PM₁₀ Long Term Annual Averages

As shown in **Figure 16**, annual average PM₁₀ results decreased from 2021 to 2023. Annual average PM₁₀ increased in 2024 and again slightly in 2025 however remained well below criteria and the EIS predicted values. The increase since FY2023 may be attributed to construction and commencement of mining at Federation.

8.3.5. PM_{2.5}

PM_{2.5} monitoring is required by SSD 24319456 however during the reporting period equipment was not in place to undertake monitoring. A non-compliance report has been submitted to DPHI and an air quality monitoring network review is being undertaken. Actions to implement PM_{2.5} monitoring will be completed during the next reporting period.

8.3.6. Greenhouse Gas Emissions

NPI and NGERs reporting is undertaken each financial year for Hera -Federation sites. Prior to 2024/25 NPI and NGERs was completed for the Hera site only. Post commencement of operations at Federation in May 2024 combined Hera -Federation reporting has been completed. **Table 15** shows the Scope 1 emissions for the 2023/24 and 2024/25 reporting periods. Scope 1 emissions increased in 2024/25 compared to 2023/24 due to increased activity at Federation as it entered operations.

Table 15: FY2023 NGERs Data

Data	Scope 1 ^a (t CO ₂ -e)	Scope 2 ^b (t CO ₂ -e)	Total (Scope 1 and 2)
Federation EIS Prediction	22,382	0	22,382
FY24 Data	5,387	0	5,387
FY25 Data*	11,996	0	11,996

a. Scope 1 emissions are the emissions released to the atmosphere from activities on site, e.g., fuel consumption (gas, diesel, etc.).

b. Scope 2 emissions are the emissions released from the indirect consumption of energy e.g., electricity purchased from the grid.

* Data is subject to change following final QA/QC and reporting.

8.4. COMMUNITY COMPLAINTS

One complaint related to air quality was received throughout the reporting period. The complaint related to dust lifting off the Tailings Storage Facility (TSF). The complaint was investigated and actions implemented where appropriate.

8.5. Proposed Improvements

During the reporting period there were exceedances of the SSD 24319456 air quality criteria for PM₁₀ as well as a non-compliance for not undertaking PM_{2.5} monitoring as required by SSD 24319456.

A review of the existing air quality monitoring network is in the process of being undertaken at writing of this report. Actions to augment the existing network where required will be undertaken in the 2026FY reporting period.

9. BLASTING AND VIBRATION

9.1. OVERVIEW

As part of the underground mining activity at Hera -Federation, subsurface blasting is undertaken. SSD 24319456 and EPL 20719 contain blasting impact assessment criteria which requires monitoring of airblast overpressure and ground vibration. The Blast Monitoring Program is implemented to demonstrate compliance with the approval conditions.

This section describes the noise and vibration management practices adopted during the reporting period, the performance against approval conditions, and proposed improvements to blasting and vibration management.

9.2. MANAGEMENT PRACTICES

Blast activities at the Hera -Federation Mine are managed in accordance with the *Blast Management Plan*. Management measures undertaken included:

- Surface blasting will be undertaken only between the hours of 9:00am to 5:00pm, Monday to Saturday except for emergency or safety-related reasons.
- Ongoing monitoring and publishing of results.
- Ongoing reporting to the community via the Community Consultative Committee (CCC)

9.3. MONITORING PERFORMANCE

Monitoring was undertaken for every blast undertaken during the reporting period. Analysis of the blast overpressure and vibration monitoring data has used the blast records which includes the time of blast. This approach ensures that the monitoring data potentially attributable to blasting are assessed with other data not aligned with the timing of the blast records excluded.

There were 535 blasts undertaken during the reporting period of which 89 occurred during the day (7am-6pm), 159 during the evening (6pm-10pm) and 287 at night (10pm-7am).

The blast criteria specified in SSD 24319456 and EPL 20179 are detailed in **Table 16** below. There were no exceedances of blast criteria throughout the reporting period.

Table 16: Blast Criteria

Location	Airblast Overpressure (dB(Lin peak))	Ground Vibration (mm/s)	Allowable Exceedance
Residence on privately owned land *	120	10	0%
	115	5	5% of total number of blasts over a financial year

* or other sensitive receiver location (e.g. a school or hospital)

9.4. COMPARISON AGAINST PREDICTIONS AND HISTORICAL DATA

The Federation Environmental Assessment predicted that blasting undertaken would be compliant with relevant criteria. Monitoring during the reporting period has confirmed this prediction.

9.5. COMMUNITY COMPLAINTS

There were no community complaints related to blasting during the reporting period.

9.6. PROPOSED IMPROVEMENTS

The following improvements are proposed for the 2026FY reporting period:

- Application to DPHI for exemption to publishing blast schedule due to underground mining.

10. NOISE

10.1. OVERVIEW

Hera-Federation has a requirement to manage operational noise generated by the mining activity. SSD 24319456 and EPL 20179 include various conditions related to noise management. This includes compliance monitoring to enable assessment against impact assessment criteria and limits, defined operating hours for selected activities, Noise Monitoring Program and maintenance of plant and equipment, amongst others.

10.2. MANAGEMENT PRACTICES

Operational noise at Hera -Federation is managed in accordance with the *Noise Management Plan*. Activities to manage noise include :

- Compliance with the approved hours of operation;
- Minimising the noise impacts of the operation during meteorological conditions when the SSD 24319456 noise limits do not apply;
- Unattended noise monitoring to assess mining operational noise, with data collected and independently reviewed by a qualified consultant.
- Attended noise monitoring to assess mining operational noise, with data collected and independently reviewed by a qualified consultant.
- Maintaining an open dialogue with the surrounding community and neighbours to ensure any noise or vibrations concerns are addressed .
- Meteorological monitoring to assist with noise data analysis .

10.3. MONITORING PERFORMANCE

Noise monitoring is conducted at R1/R2, R3 , R4, R18 and R19 (refer **Figure 10**). Hera Resources have an active Noise Agreement in place with the resident at R3 and therefore, noise limits do not apply. The agreement has been shared with the EPA and DPE. The SSD 24319456 and EPL 20179 criteria are presented in **Table 17**.

Table 17: Noise Criteria

Noise Assessment Location	Day L _{Aeq} (15min) dB(A)	Evening L _{Aeq} (15min) dB(A)	Night L _{Aeq} (15min) dB(A)	Night L _{Max} dB(A)
All privately -owned residences	40	35	35	52

Attended noise monitoring was conducted by Muller Acoustic Consultanting Pty Ltd (MAC) in June 2025. Monitoring results , presented in **Table 18**, demonstrate compliance with all relevant criteria.

Table 18: Noise Monitoring Results

Time period	Receiver	Date	Time	Noise Monitoring			
				LA _{eq} Limit (dB)	LA _{1(1 min)} Limit (dB)	LA _{eq} Site Contribution (dB)	LA _{1(1 min)} Site Contribution (dB)
Day	R1-R2	4/06/2025	9:53	35	n/a	<30	n/a
	R3	4/06/2025	9:27	35	n/a	<30	n/a
	R4	4/06/2025	8:59	35	n/a	<30	n/a
	R18	3/06/2025	16:07	35	n/a	<20*	n/a
	R19	4/06/2025	10:19	35	n/a	<30	n/a
Evening	R1-R2	3/06/2025	19:35	35	n/a	<25	n/a
	R3	3/06/2025	19:13	35	n/a	<25	n/a
	R4	3/06/2025	18:54	35	n/a	<25	n/a
	R18	3/06/2025	21:42	35	n/a	<20*	n/a
	R19	3/06/2025	20:01	35	n/a	<25	n/a
Night	R1-R2	3/06/2025	22:54	35	45	<25	<40
	R3	3/06/2025	22:33	35	45	<25	<40
	R4	3/06/2025	23:15	35	45	<25	<40
	R18	3/06/2025	22:00	35	45	<20*	<30
	R19	3/06/2025	22:27	35	45	<25	<40

*calculated losses for distance to receiver

Unattended monitoring commenced in November 2021 and is operational 24/7 with results reviewed monthly by a third-party expert, Muller Acoustic Consulting Pty Ltd (MAC). No exceedances were recorded that were attributable to the mining operations.

10.4. COMPARISON AGAINST PREDICTIONS AND HISTORICAL DATA

The Federation EIS predicted Project Noise Trigger Levels of 40dB (LA_{ea-15min}) for Day and 35dB (LA_{ea-15min}) for Evening and Night. The results of noise monitoring shown in **Table 18** and attended noise results have been compared against the predicted noise levels at each of the receivers where monitoring occurs and are all below the predicted levels.

10.5. COMMUNITY COMPLAINTS

One community complaint related to road traffic noise was received during the 2025FY reporting period. The complaint related to traffic noise generated by trucks hauling ore from Federation to Peak Mine. At the time of report preparation noise assessment and investigations were ongoing.

10.6. PROPOSED IMPROVEMENTS

There were no noise related incidents during the reporting period. No changes to the management of noise are proposed.

11. BIODIVERSITY

11.1. OVERVIEW

Management of biodiversity related aspects during the mining operation is a requirement of SSD 24319456. Specifically, Schedule 2, Condition B70 that requires that Hera -Federation prepare and implement the approved Biodiversity Management Plan (BMP). The BMP includes the objectives, guiding principles and activities relating to the management of the mine disturbed landscape and the Chelsea Biodiversity Offset area.

Schedule 2, Conditions B68 and B69 relate to biodiversity offsets. This includes a requirement to retire biodiversity credits for relevant stages of development of Hera -Federation .

11.2. MANAGEMENT PRACTICES

Management measures undertaken included:

- Hera operates under a Biodiversity Offset Staging Strategy approved as Part of Mod 2 to SSD – 24319456 and BCT Reference BCF689.
- Pre-clearance surveys are undertaken prior to any vegetation clearing;
- Vegetation clearing is undertaken in accordance with the protocols outlined in the Biodiversity Management Plan;
- Enhancement of fauna habitat at suitable locations on the Mine Site;
- Completion of routine monitoring;
- Feral goat management;
- Bushfire management

11.3. MONITORING PERFORMANCE

Annual biodiversity monitoring is conducted on the Hera-Federation site and was completed by AREA Environmental and Heritage Consultants in November 2024.

Biodiversity monitoring is undertaken across 16 locations, and some meandering transects through suitable habitat within the Hera-Federation site. The ecological monitoring locations within the Project Approval area are shown on

Figure 10. Vegetation Integrity, identification of flora, fauna, pests and weed species are all aspects included in biodiversity monitoring.

11.3.1. Vegetation Integrity

Vegetation Integrity monitoring was completed at 16 locations (Figure 17) across the Hera -Federation site with results shown in Table 19. The data collected during the 2024 monitoring will provide a benchmark for future monitoring to identify any impacts from mining activities on vegetation. This will be done by comparing vegetation integrity scores between proximal and control monitoring plots of the same plant community type (PCT).

Table 19: Vegetation Integrity Score

Plot #	Vegetation Zone	Baseline VI (BMP) ^a	2024 VI	Change in VI
1 ^b	PCT103 (dense) proximal			
2	PCT103 (dense) control	-	87.4	-
3	PCT103 (open) proximal	36.4	90.1	+ 53.7
4	PCT103 (open) control	-	94.8	-
5 ^b	PCT104 proximal	68.1	79.3	+ 11.2

Plot #	Vegetation Zone	Baseline VI (BMP) ^a	2024 VI	Change in VI
6	PCT104 control	-	75.8	-
7	PCT174 proximal	85.6	97.8	+ 12.2
8	PCT174 control	-	75.7	-
9	PCT176 proximal	53.8	56	+ 2.2
10	PCT176 control	-	51.7	-
11	PCT180 proximal	61.3	61.6	+ 0.3
12	PCT180 control	-	41.2	-
13	PCT184 proximal	-	45.2	-
14	PCT184 control	-	64.9	-
15	PCT258 proximal	79.9	-	-
16	PCT258 control	-	-	-
(Plot extra 174)	PCT 174 (additional plot)	-	73.6	-
(Plot entrance)	PCT 103 (monitoring plot at the entrance)	-	56	-

^a Baseline VI scores from the BMP were derived from different monitoring plot locations than those used in the November 2024 survey. However, they remain representative of each zone / PCT and provide a suitable benchmark. From 2024 onward, the current monitoring plot locations will be retained for all subsequent surveys.

vey. However, locations will be

^b Plot 1 and plot 5 locations have been retained from 2022 to 2024.

11.3.2. Threatened Fauna

During the reporting period no threatened flora was identified by Aurelia personel however the following species were recorded during annual biodiversity monitoring:

- Grey-crowned Babbler (*Pomatostomus temporalis temporalis*)
- Diamond Firetail (*Stagonopleura guttata*)
- Hooded Robin (*Melanodryas cucullata cucullata*)
- Brown Treecreeper (*Climacteris picumnus victoriae*)
- Little Pied Bat (*Chalinolobus picatus*)
- Large Bent-wing Bat (*Miniopterus orianae oceanensis*)
- Long-eared Bat Complex (*Nyctophilus* sp. (*geoffroyi* / *gouldi* / *corbeni*))
- Yellow-bellied Sheathtail Bat (*Saccolaimus flaviventris*)

A total of 55 native fauna species were identified during the survey, including the threatened species listed above. Compared to previous surveys native and threatened species were slightly higher during the 2024 survey.

11.3.3. Threatened Flora

Targeted surveys for threatened flora were conducted concurrently with vegetation integrity monitoring at all 16 plots, and through meandering transects in suitable habitat.

No threatened flora species were observed during the annual survey, and no threatened species were recorded by Hera Resources staff during the reporting period,

11.3.4. Weeds

Seasonal weed inspections are undertaken across the Hera-Federation site and weed spraying is conducted as required with a primary focus on industrial areas. The primary weed species targeted during the reporting period was Bathurst Burr.

The Biodiversity Management plan identifies 5 priority weed species for the Hera-Federation site. These include:

- Saffron Thistle (*Carthamus lanatus*),
- Devils Rope Pear (*Cylindropuntia imbricata*),

- Flaxleaf Fleabane (*Conyza bonariensis*),
- Mexican Poppy (*Argemone ochroleuca*),
- Patersons Curse (*Echium plantagineu m*); and
- Bathurst Burr (*Xanthium spinosum*).

The annual biodiversity monitoring confirmed the presence of Saffron Thistle, Bathurst Burr, and Flaxleaf Fleabane, both within vegetation monitoring plots and generally observed throughout the site.

The following pest plant species were observed during the field survey .

- Scarlet Pimpernel (*Anagallis arvensis*)
- Maltese Cockspur (*Centaurea melitensis*)
- Slender Centaury (*Centaurea tenuiflorum*)
- Skeleton Weed (*Chondrilla juncea*)
- *Conyza* sp.
- Paterson's Curse (*Echium plantagineum*)
- Prickly Lettuce (*Lactuca serriola*)
- White Horehound (*Marrubium vulgare*)
- Cut-leaf Medic (*Medicago laciniata*)
- Barrel Medic (*Medicago truncata*)
- Scotch Thistle (*Onopordum acanthium*)
- Wild Sage (*Salvia verbenae*)
- *Sisymbrium* spp.
- Black Nightshade (*Solanum nigrum*)
- Sow Thistle (*Sonchus oleraceus*)
- Caltrop (*Tribulus terrestris*)
- *Trifolium* spp.
- Squirrel Tail Fescue (*Vulpia bromoides*).

11.3.5. Pest Animals

During the annual biodiversity survey pest animals, and evidence of their presence, were observed regularly within site. The following pest animal species were observed .

- Feral Pig (*Sus scrofa*)
- European Rabbit (*Oryctolagus cuniculus*)
- European Hare (*Lepus europaeus*)
- Domestic Goat (*Capra hircus*)
- European Red Fox (*Vulpes vulpes*)
- Feral Cat (*Felis catus*).

Throughout the reporting period minimal management was undertaken of pest animal species.

11.4. Proposed Improvements

During the next reporting period it is proposed to continue to manage and report on biodiversity related activities on site in line with the Biodiversity Management plan. Management of weeds and pest animal species will be ongoing.

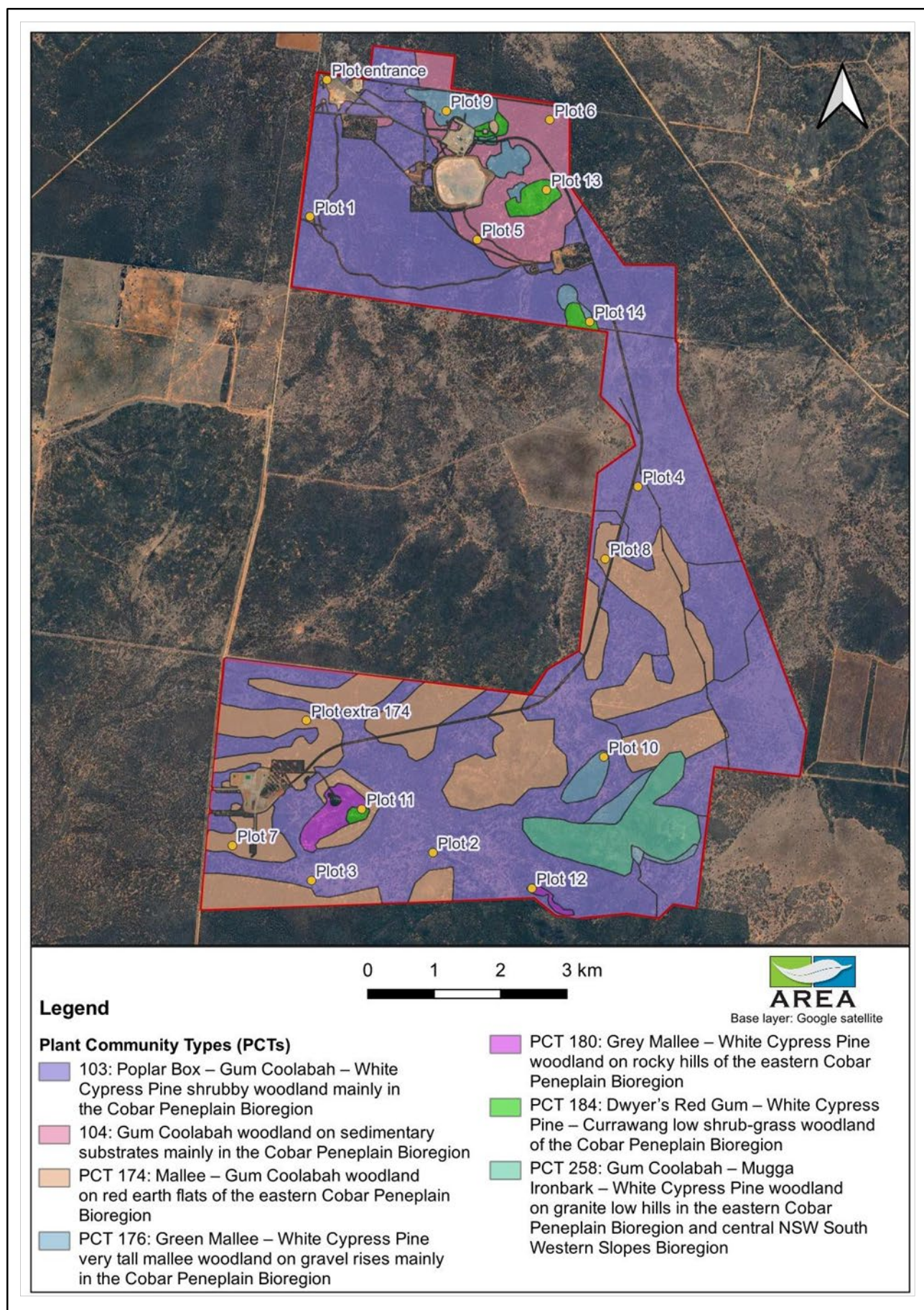


Figure 17- Plant Community Types and Monitoring plots

12. WASTE MANAGEMENT

12.1. OVERVIEW

Hera-Federation has a requirement to manage waste generated from the mining operation. In addition to the legal requirements that apply to managing waste at Hera -Federation, specific waste management requirements are set out in SSD 24319456 and EPL 20179.

Schedule 2, Condition B79 requires Hera -Federation to implement waste minimisation measures, ensure waste is appropriately stored, handled and disposed of, manage the on -site sewage treatment system, and report on performance.

12.2. MANAGEMENT PRACTICES

Various types of waste are generated at the site from a range of activities including underground mining operations, surface activities, ore processing, mobile equipment maintenance, infrastructure construction and maintenance and office waste.

Hera-Federation utilises a third -party provider to collect and dispose of selected waste streams in accordance with the requirements of their waste management licence. Waste management at the site follows the below key principles:

- All waste materials are to be disposed of off-site.
- Waste materials, which cannot be either re-used or recycled, are to be sent to a licensed landfill that can accept that category of waste.
- Only transporters that are appropriately licenced by the relevant regulator will be contracted to remove waste from site.

12.3. MONITORING PERFORMANCE

A summary of waste disposal during the reporting period is summarised in **Table 20: Waste Management during FY25**

Table 20: Waste

Table 20 : Waste Management during FY25

Waste Stream	Description	Quantity (t)
General waste	General waste for disposal.	180.33
General recyclables	General mixed recyclables.	9.385
Hazardous waste disposal	Oily Rags/absorbents, absorbent contaminated waste, chemicals, pond liners.	9.372
Hazardous waste recycled	Oil filters, waste grease, solvents	41.00

12.4. COMPARISON AGAINST PREDICTIONS AND HISTORICAL DATA

Waste quantities for FY23 to the current reporting period are summarised in **Table 21** below. In FY23 Hera mining and processing was operational while in FY24 Care and Maintenance of the Hera site had commenced and Federation was in construction phase.

Table 21: Historical waste stream quantities

Waste Stream	FY23 Quantity (t)	FY24 Quantity (t)	FY25 Quantity (t)
General waste	163.06	98.08	180.33
General recyclables	228.64	4.56	9.39
Hazardous waste disposal	11.57	3.89	9.37
Hazardous waste recycled	52.02	21.8	41.00

12.5. PROPOSED IMPROVEMENTS

It is proposed to continue water management practices that are currently in place at the Hera Federation site with some improvements to hydrocarbon management practices to be implemented.

-

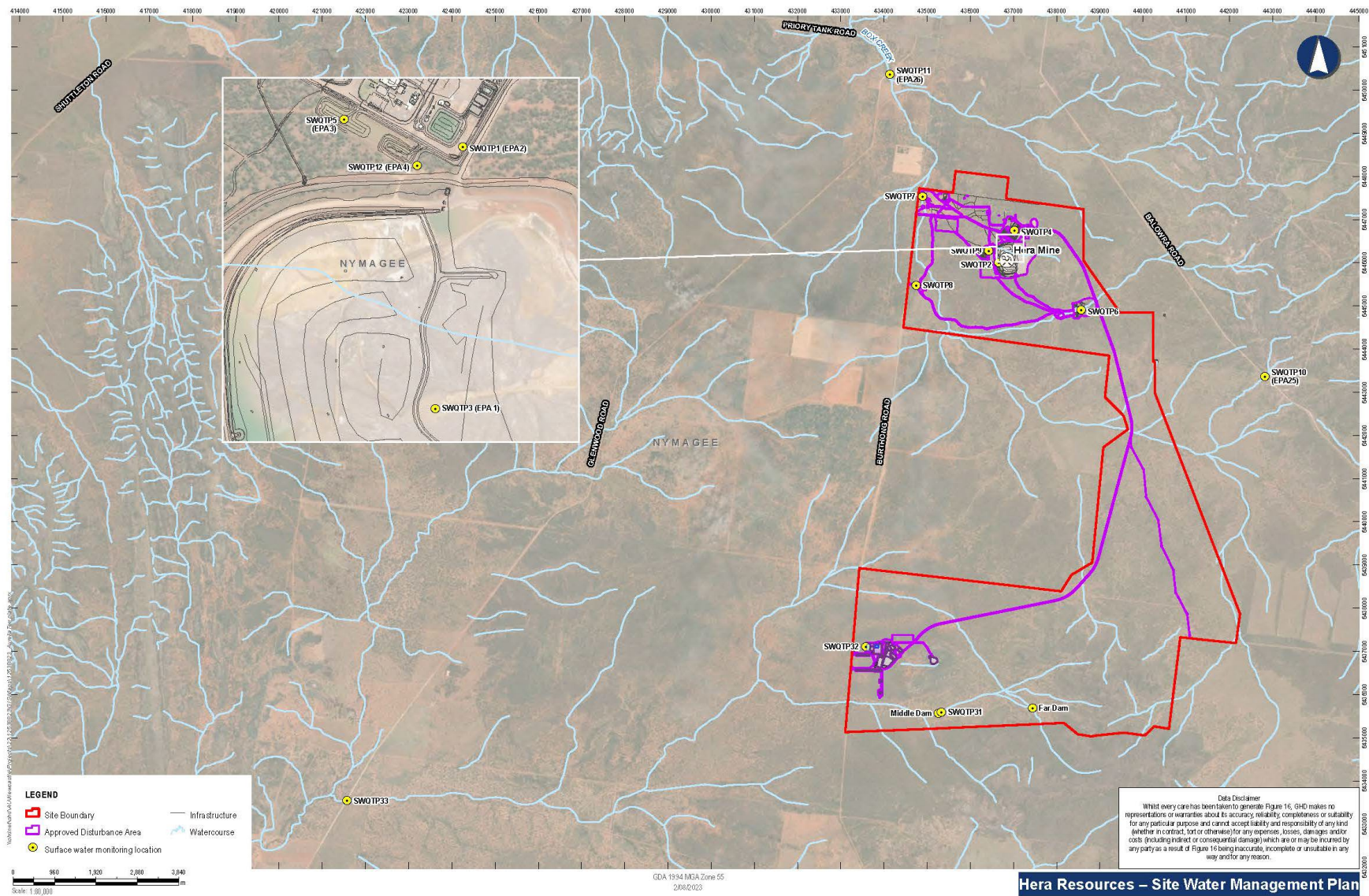


Figure 18–Surface Water Locations

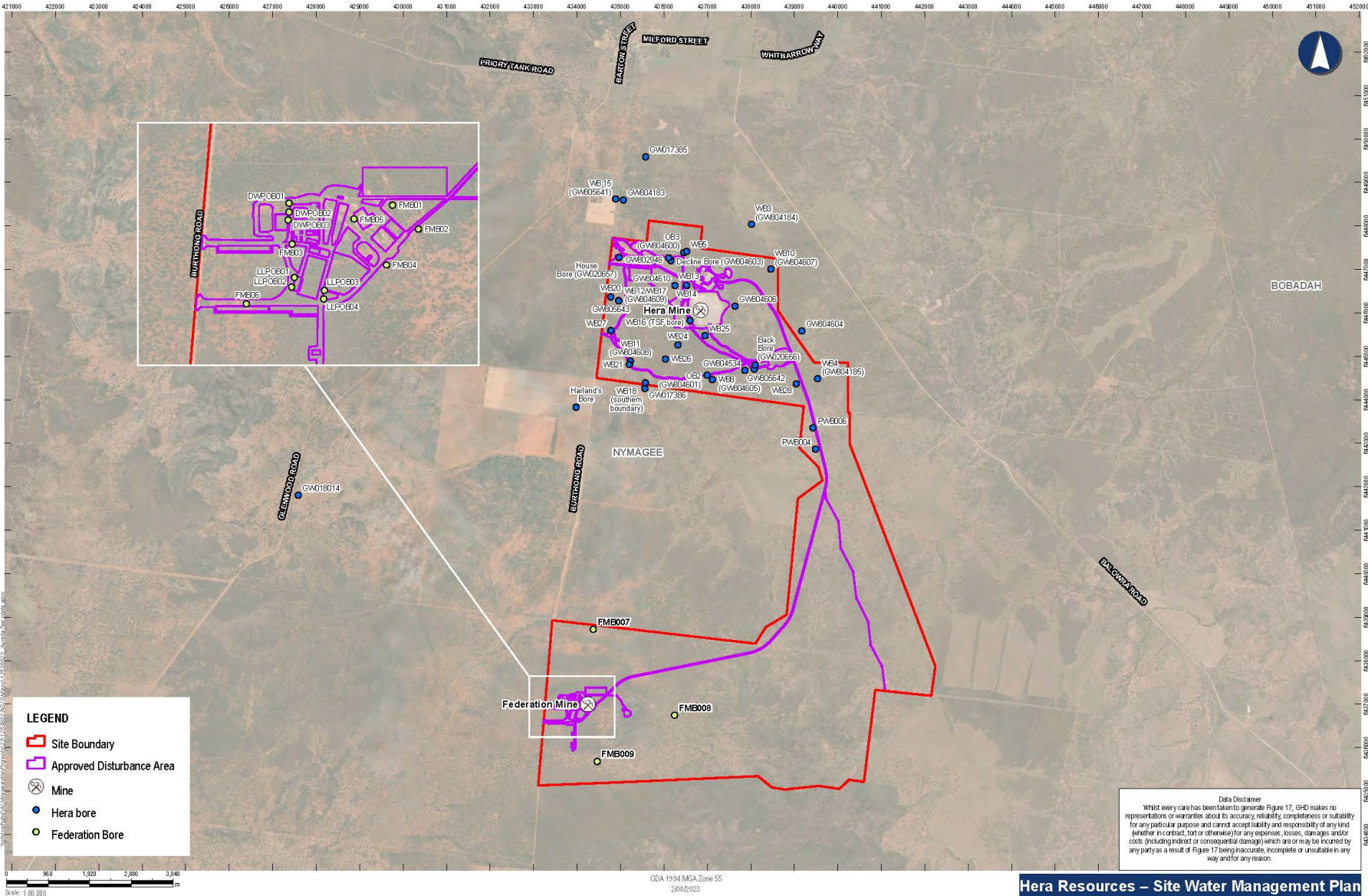


Figure 19– Groundwater Monitoring Locations

13. WATER MANAGEMENT

13.1. OVERVIEW

The approach Hera -Federation takes to water management is detailed in the Water Management plan. SSD 24319456 (Schedule 2, conditions B30 to B45) details the requirements relating to water discharges, compensatory water supply, design and permeability of storages, water management performance measures and requirements for the Water Management Plan.

EPL 20179 includes requirements relating to the location of monitoring points, pollution of waters, concentration limits, maintenance of plant and equipment, monitoring and recording, amongst a range of other general water related conditions.

13.1. MANAGEMENT PRACTICES

Surface and groundwater at Hera -Federation Mine is managed in accordance with the *Water Management Plan* and as such these practices have been implemented during the reporting period. The management practices relate to:

- Collection and storage of waters in appropriate storages for type. Eg. Clean, dirty, raw water
- Storage of fuels and oils in purpose-built facilities with appropriate bunding.
- Sediment control where required.
- Monitoring of groundwater levels and quality.

13.2. MONITORING PERFORMANCE

13.2.1. Surface Water

Surface water monitoring is undertaken at the sites shown in **Figure 18** and detailed in **Table 22** and shown on below daily during discharge when the processing plant at Hera is in operation and during discharge events for all other surface monitoring sites.

Table 22 : Surface Water Monitoring Points

EPA ID	Location	Frequency	Parameters
1	Discharge to TSF	Daily during discharge	WAD Cyanide
2	Discharge to Process Water Dam		
3	Hera Sediment basin 1 (SWQTP5)		
4	Hera Sediment basin 2 (SWQTP12)	During discharge	Al, As, B, Cd, Cu, Cyanide (weak acid dissociable), EC, pH, Pb, Mn, Ni, N (total), oil and grease, Ag, Total P (filtered), TSS, Zn
25	Hera surface water (upstream) (SWQTP10)		
26	Hera surface water (downstream) (SWQTP11)		
47	Federation surface water (SWQTP31)	During discharge	Al, As, B, Cd, Cu, Cyanide (weak acid dissociable), EC, pH, Pb, Mn, Ni, N (total), oil and grease, Ag, Total P (filtered), TSS, Zn
48	Federation surface water (SWQTO32)		
49	Federation surface water (SWQTP33)		

During the reporting period the Hera processing plant was not operational and as a result no monitoring was conducted of discharge to the TSF or Process Water Dam (EPA ID 1 and 2).

There was no discharge at the Hera site and no flow at Hera (EPA ID 3, 4, 26 and 26) or Federation (EPA ID 47, 48 and 49) surface water monitoring locations. As a result, no monitoring was undertaken.

13.2.2. Groundwater

Groundwater monitoring bores exist at both the Hera and Federation sites (see **Figure 19**) and are detailed in **Table 23**. Hera bores have been monitored consistently since 2012 while the Federation bores have been monitored since drilling in 2020 and 2024.

Table 23 : Groundwater Monitoring Points

EPA ID	Location	Frequency	Parameters
7, 27, 28, 29, 30, 34, 35, 37, 38, 40	WB4, WB15, WB16, WB18, WB20, TSFOB01, TSFOB2, TSFOB4, TSFOB5, WB10	Quarterly	Standing Water Level (SWL)
7, 27, 28, 29, 30, 35, 37, 40	WB4, WB15, WB16, WB20, TSFOB02, TSFOB04, WB10	Yearly	pH
7, 27, 28, 29, 30, 40	WB4, WB15, WB16, WB18, WB20, WB10	Yearly	Sb, HCO ₃ , B, Cd, Ca, CO ₂ ⁻³ , Cl, Cr, Cu, Cyanide (free), Cyanide (weak acid dissociable), EC, Fe, Pb, Mg, Hg, Mo, Ni, K, Ag, Na, Sn, TSS, Zn
7, 27, 28, 29, 40	WB4, WB15, WB16, WB18, WB10	Yearly	As
34, 35, 37, 38, 63	TSFOB01, TSFOB02, TSFOB04, TSFOB05, TSFOB03	Quarterly	Cyanide (weak acid dissociable)
34, 38	TSFOB01, TSFOB05	Quarterly	Cyanide (free), Cyanide (weak acid dissociable, EC (insitu), pH (insitu)
35, 37	TSFOB02, TSFOB04	Yearly	Cyanide (free), Cyanide (weak acid dissociable, EC (insitu)
50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62	FMB01, FMB02, FMB03, FMB04, FMB05, FMB06, FMDD1, FMDD2, FMDD3, FLLP1, FLLP2, FLLP3, FLLP4	Quarterly	Standing Water Level (SWL), Sb, As, HCO ₃ , B, Cd, Ca, CO ₂ ⁻³ , Cl, Cr, Cu, Cyanide (free), Cyanide (total), Cyanide (weak acid dissociable), EC (insitu), Fe, Pb, Mg, Hg, Mo, Ni, pH (insitu), K, Ag, Na, Sn, TSS

Quarterly standing water levels and yearly pH and Electrical Conductivity (EC) results for Hera groundwater bores for the reporting period are summarised in **Table 24** below.

TSFOB01, TSFOB02, TSFOB03, TSFOB04 and TSFOB05 were dry at every monitoring period.

Table 24 : Groundwater Monitoring Results for the reporting period

Monitoring Point	Month	Depth to Water (m)	pH	EC (mS)
WB4	September 2024	59.49		
	December 2024	57.36		
	March 2025	59.50		
	June 2025	59.60	6.84	5.79
WB10	September 2024	60.88		
	December 2024	60.64		
	March 2025	61.30		
	June 2025	61.49	7.20	4.97
WB15	September 2024	58.17		
	December 2024	58.19		

Monitoring Point	Month	Depth to Water (m)	pH	EC (mS)
WB16	March 2025	58.10		
	June 2025	58.11	7.17	4.89
	September 2024	94.06		
	December 2024	92.90		
	March 2025	91.78		
	June 2025	91.11	6.98	6.28
WB18	September 2024	76.82		
	December 2024	76.76		
	March 2025	76.65		
	June 2025	76.72	7.13	2.32
WB20	September 2024	66.01		
	December 2024	65.80		
	March 2025	65.53		
	June 2025	65.36	7.05	6.66

As per EPL 20179 pH, EC and other water chemistry parameters are required to be sampled yearly. Water chemistry data is presented in **APPENDIX 1 - Groundwater Chemistry - Hera** and comparison to long term results in **section 13.2. 4** below.

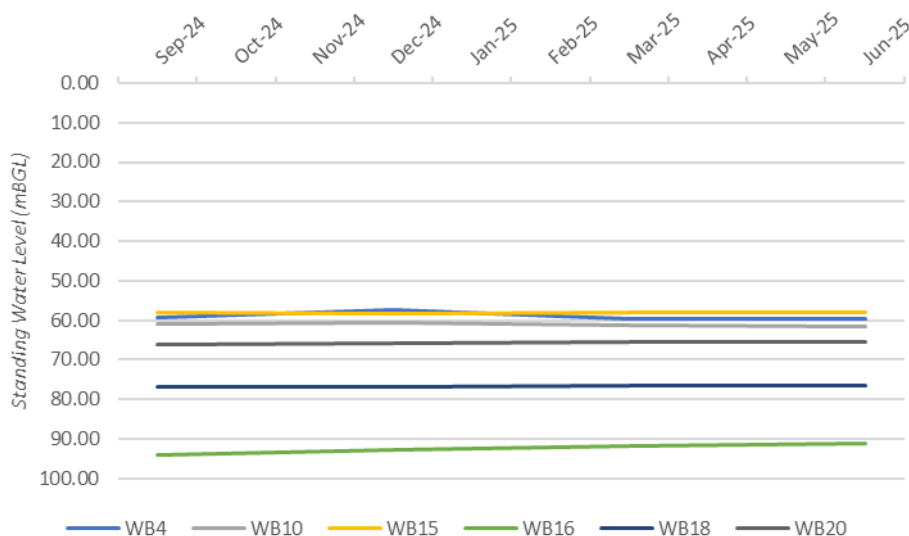


Figure 20 – Standing Water Levels – Hera Groundwater bores

Table 25 : Federation Groundwater Monitoring Results for the reporting period

Monitoring Point	Month	Depth to Water (m)	pH	EC (mS)
FMB01	September 2024	125.05	6.88	6.05
	December 2024	119.11	6.80	5.70
	March 2025	119.66	6.94	6.01
	June 2025	120.30	*	*
FMB02	September 2024	137.12	6.89	3.88
	December 2024	141.35	6.79	4.16
	March 2025	147.42	6.92	4.33
	June 2025	155.51	*	*
FMB03	September 2024	106.04	7.07	5.74
	December 2024	111.47	6.91	5.46
	March 2025	118.44	6.94	5.62
	June 2025	119.14	6.74	5.27
FMB04	September 2024	113.88	7.27	2.52
	December 2024	115.19	6.89	3.42
	March 2025	115.63	6.88	3.21
	June 2025	116.08	7.38	3.08
FMB05	September 2024	118.05	6.93	9.90
	December 2024	115.95	7.42	10.10
	March 2025	119.67	7.78	9.57
	June 2025	119.96	*	*
FMB06	September 2024	92.26	6.81	12.00
	December 2024	96.76	6.90	12.10
	March 2025	101.14	6.84	10.9
	June 2025	105.77	7.07	12.00

Note: * denotes sample and measurement unable to be taken due to water level being too low to sample

Bores FMDD1, FMDD2, FMDD3, FMDD4, FLLP1, FLLP2, FLLP3 and FLLP4 were all dry at each quarterly monitoring event during the reporting period.

Table 25 and **Figure 21** shows an increase in water depth from surface for all Federation bores with the exception of FMB01.

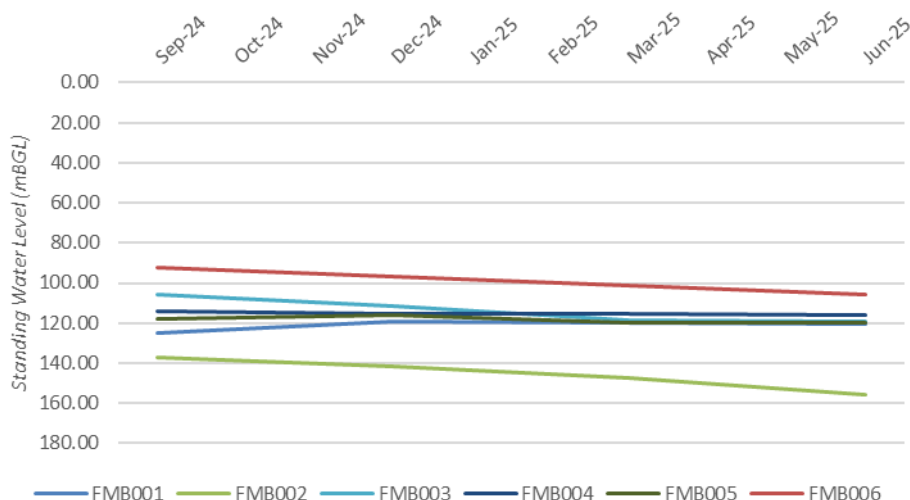


Figure 21 – Standing Water Levels – Federation Groundwater bores

pH and electrical conductivity for Federation groundwater monitoring bores is illustrated below in **Figure 22** and **Figure 23**. FMB001, FMB002 and FMB005 were all too low to sample during June 2025 monitoring and as result no data points for that monitoring are shown in the figures. pH throughout the reporting period remained relatively constant with all values for bores remaining between pH 6 and 8. Electrical conductivity varied between each bore with FMB04 recording the lowest EC and FMB06 the highest values. Electrical conductivity remained relatively constant across all bores throughout the reporting period.

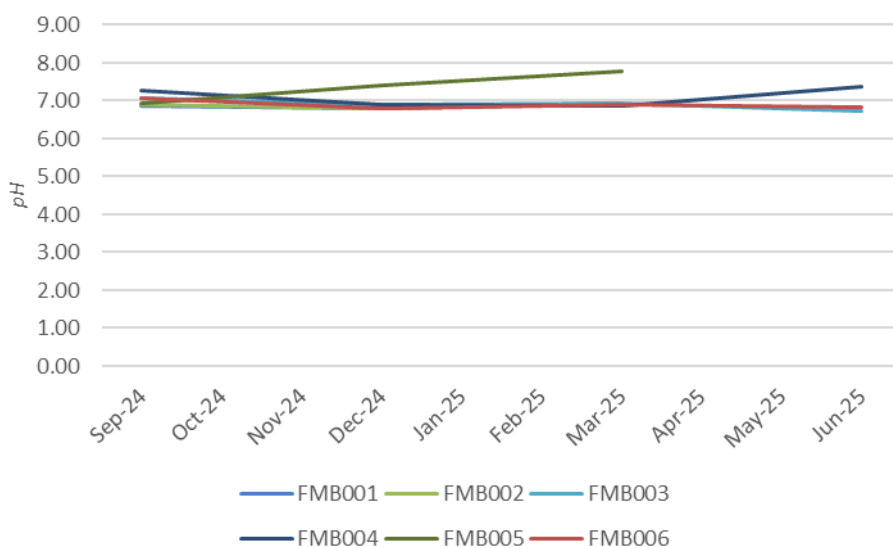


Figure 22 – Federation Groundwater bores – pH

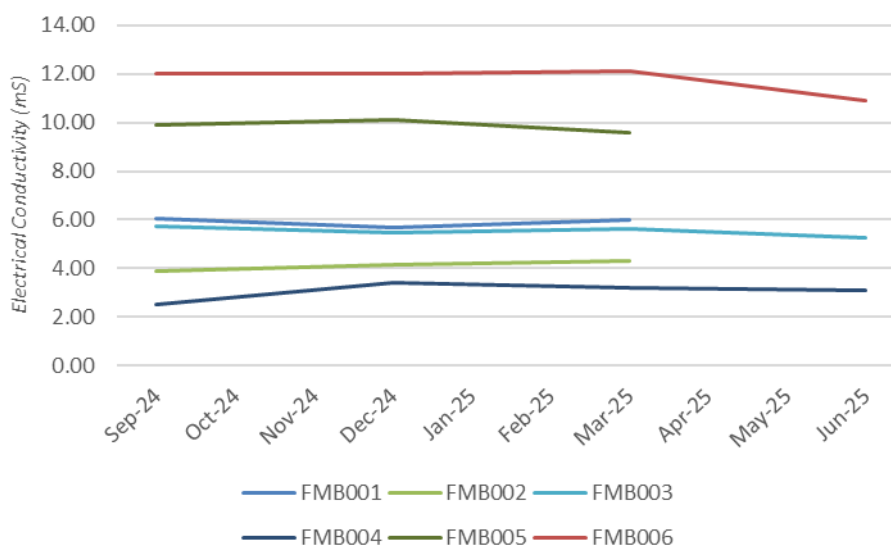


Figure 23 – Federation Groundwater bores – Electrical conductivity

All water chemistry data for the reporting period for the Federation bores is presented in **- Groundwater Chemistry - Federation** and comparison with historic data in section 13.2.

APPENDIX 2
4 below.

13.3. WATER TAKE

A summary of the water taken by Hera -Federation Mine during the previous water year (i.e., 1 July 2024 – 30 June 2025) is provided in **Table 26**.

Table 26 : Water Take

Water Licence	Water Sharing Plan, source and management zone	Entitlements	Passive Take/ Inflows	Active Pumping	TOTAL
WAL 43173	Lachlan Fold Belt Murray Darling Basin Groundwater Source (Aquifer)	543 ML/year	394.2	81.8	476 ML

A total of 476 ML of groundwater was extracted from the bores and underground decline dewatering, which was within the 543 ML limit. A summary of water extraction per bore during the reporting period is provided in **Table 27**.

Table 27: Groundwater Extraction Per Bore

Bore	Volume (ML)	Pumped/Passve
WB8	5.5	Pumped
Decline (Federation)	394.2	Passive
PWB04	52.9	Pumped
PWB06	23.4	Pumped
TOTAL	476	

13.4. COMPARISON AGAINST PREDICTIONS AND HISTORICAL DATA

Figure 24 and **Figure 25** illustrate the historic standing water levels for Hera and Federation groundwater bores from 2020 to the present reporting period. While **Figure 24** shows some variation in standing water levels over time the general trend of levels has remained relatively constant. Gaps in the data set presented in these figures is generally due to the inability to access groundwater bores.

Standing water levels at Federation remained relatively constant throughout 2020 to 2023 when a general increase in level of water below ground level can be observed. The increase in SWL aligns with the construction and development of the Federation orebody. Gaps in the data presented in the figures below is generally due to the inability to access groundwater bores.

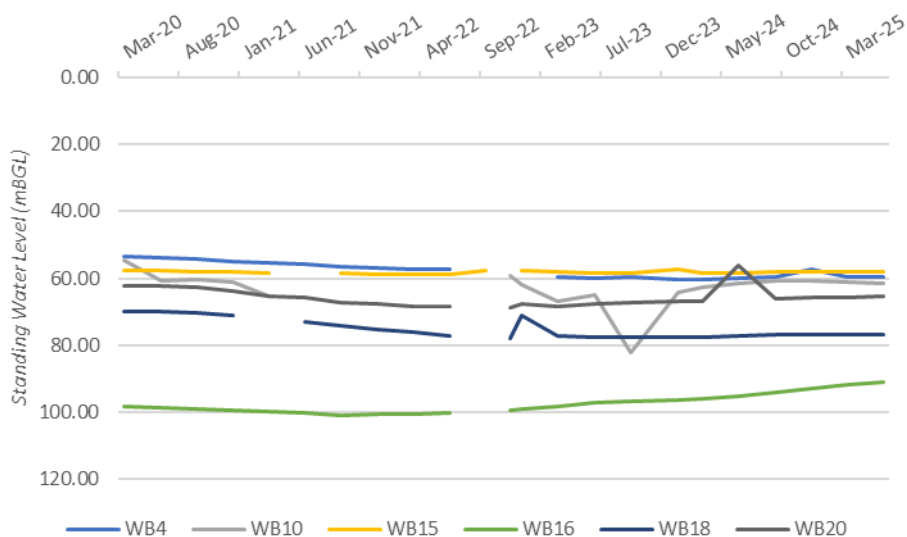


Figure 24 – Hera Groundwater Standing Water Levels 2020 to 2025

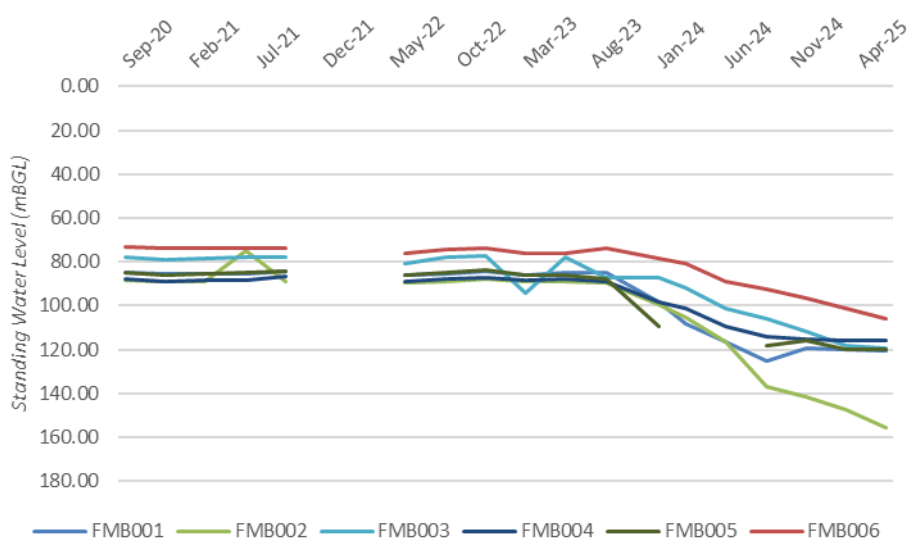


Figure 25 – Federation Groundwater Standing Water Levels 2020 to 2025

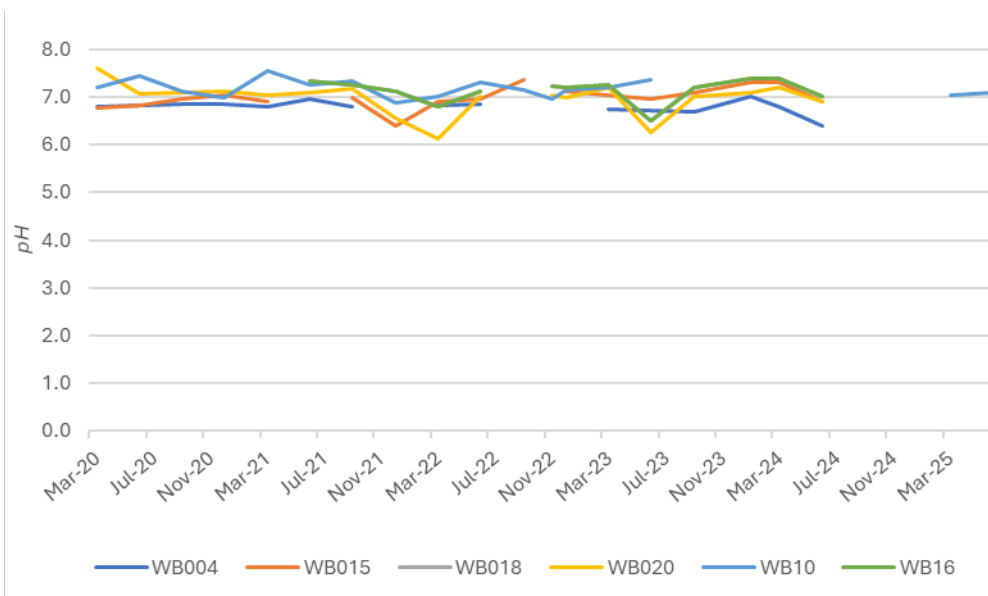


Figure 26 – Hera groundwater – pH 2020 to 2025

Figure 26 and **Figure 27** show pH and EC of Hera groundwaters over the previous 5 years. pH levels have remained consistently between 6 and 8 throughout this period for all monitored bores. EC for the same period has shown some variation with WB018 consistently having a lower EC than the other bores monitored. Gaps in the data is generally attributed to the inability to access groundwater bores and due to the change in monitoring frequency required by the EPL.

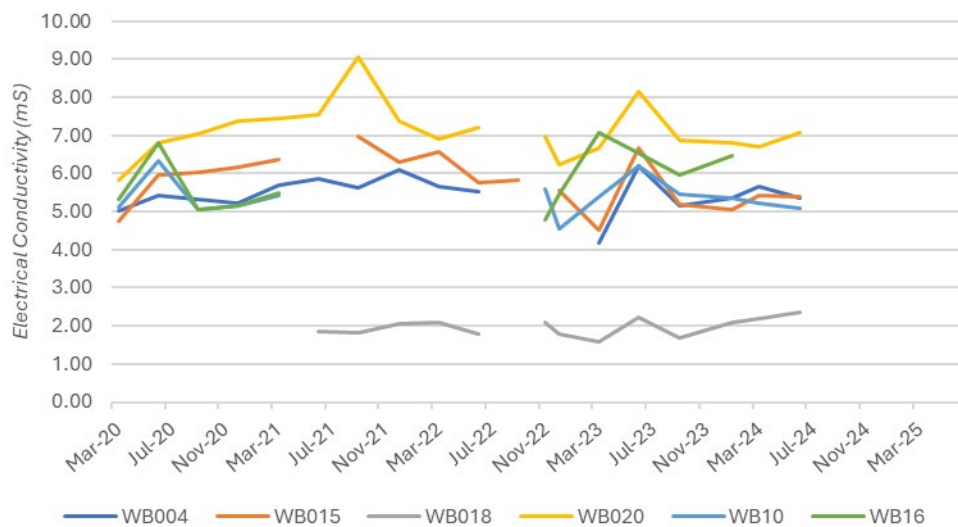


Figure 27 – Hera groundwater – Electrical Conductivity 2020 to 2025

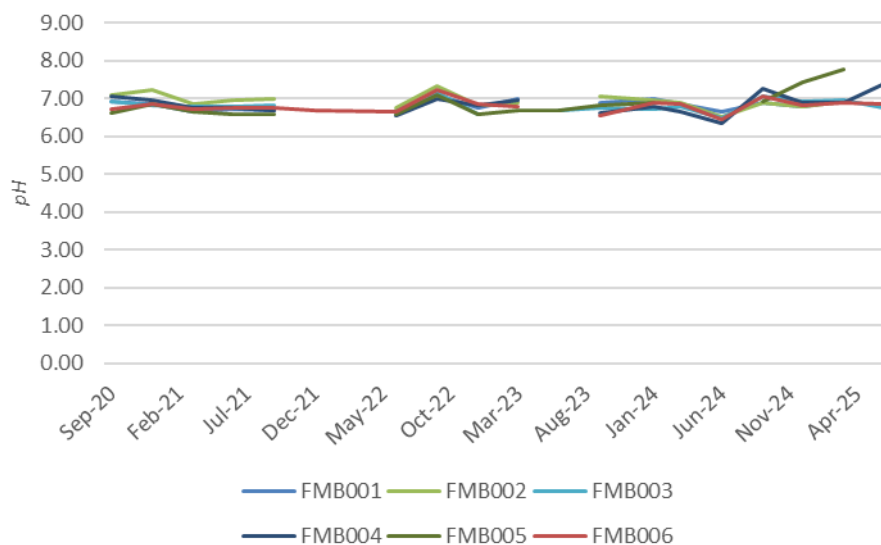


Figure 28 – Federation Groundwater – pH 2020 to 2025

Figure 28 and Figure 29 show pH and EC values for the period 2020 to 2025 for monitored Federation bores. As with Hera groundwater bores, the pH of the Federation bores is consistently between pH 6 and 8. EC for FMB006 has been the most variable over the 5 years reported. FMB001, FMB002, FMB003 and FMB004 EC values have remained relatively stable while FMB005 has demonstrated some variation during 2023 to 2025.

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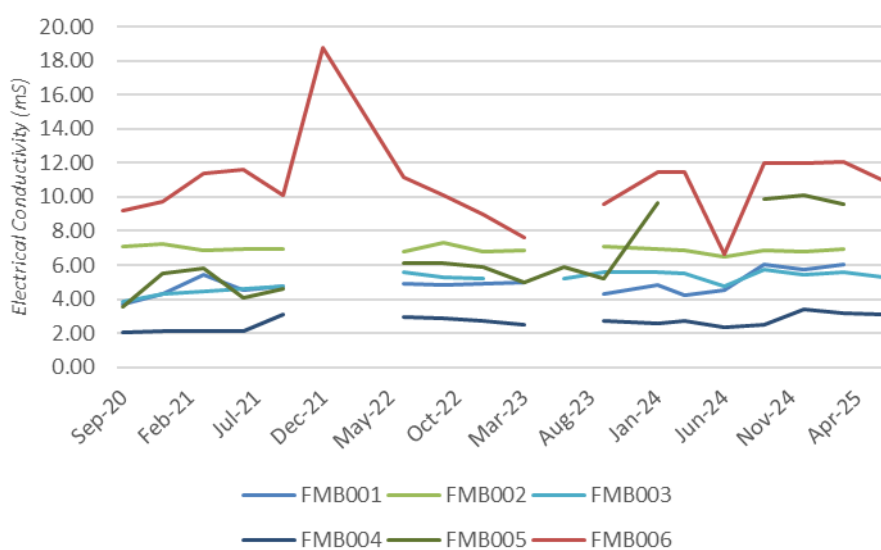


Figure 29 – Federation Groundwater - Electrical Conductivity 2020 to 2025

Groundwater take over the period 2020/21 to the current reporting period shows a decrease in water take from 2021/22 to 2023/24. This period coincides with the Hera site entering Care and Maintenance and the cessation of processing at Hera. Groundwater take increased significantly during 2024/25 reporting period when compared to 2023/24. Federation began operations in May 2024 which coincides with the increase in water take with decline dewatering accounting for the largest portion of water.

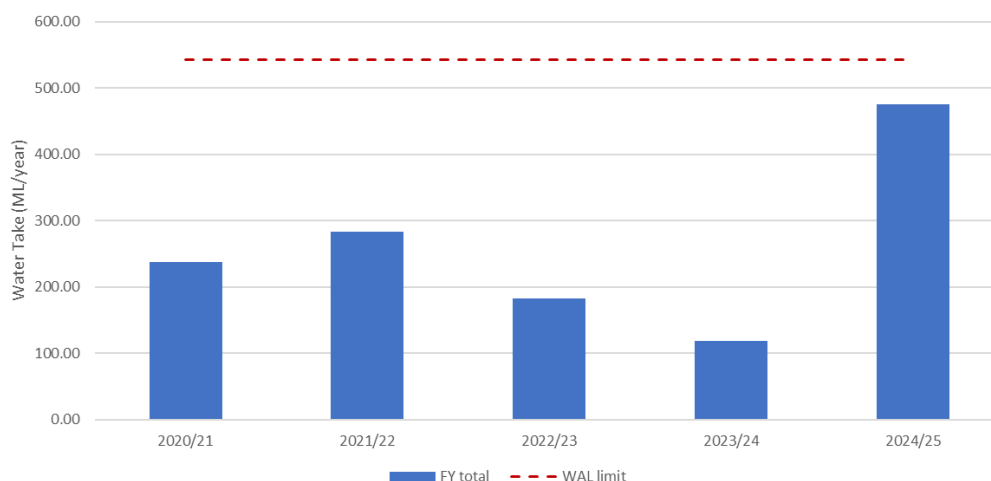


Figure 30 – Groundwater take – 2021/21 to 2024/25

13.5. PROPOSED IMPROVEMENTS

Water management, monitoring and reporting will continue to be managed in accordance with the SSD, EPL and Water Management Plan during the next reporting period.

14. REHABILITATION

14.1. OVERVIEW

Planned rehabilitation works for Hera -Federation are detailed in the Rehabilitation Management Plan (RMP) prepared in accordance with the mining lease conditions and *Form and Way: Rehabilitation Management Plan for Large Mines* NSW Resources Regulator 2020.

Hera-Federation has approved rehabilitation objectives and during the reporting period draft rehabilitation completion criteria were submitted to the NSW Resources Regulator for approval. No formal response was received during the reporting period.

14.2. MANAGEMENT PRACTICES

The Rehabilitation Strategy and RMP detail rehabilitation management measures to be implemented at Hera-Federation. The overall rehabilitation approach and the post mining land use objectives for are broadly based on the pre-existing land uses which are predominantly native ecosystems. Where appropriate, water dams will be left to benefit the background land holders. Other than the water dams, the only constructed landform that will remain will be tailings storage facility that will be capped and rehabilitated.

Being an underground mine and the small disturbance footprint limits the opportunity to undertake progressive rehabilitation. Progressive rehabilitation is limited to exploration bore holes and pads within the mining leases.

14.3. MONITORING PERFORMANCE

There are no areas requiring formal rehabilitation monitoring as no rehabilitation has been undertaken other than plugging several exploration drill holes.

14.4. PROPOSED IMPROVEMENTS

During the next reporting period Hera -Federation will continue to report on rehabilitation in the Annual Rehabilitation Report and Forward Work Program to Resources Regulator.

15. TRAFFIC MANAGEMENT

15.1. OVERVIEW

Requirements pertaining to traffic management, monitoring and reporting for the Hera - Federation site are detailed in Schedule 2, Conditions B58 to B61 of SSD 24319456. Traffic management at Hera - Federation Mine is managed in accordance with the *Traffic Management Plan*.

15.2. ENVIRONMENTAL MANAGEMENT

Traffic management measures that are implemented at the site include:

- Heavy vehicles transporting concentrate use the main route when conditions allow, and the alternate route when required (e.g., during times of road closures following heavy rain or when more than eight truck movements per day averaged over a calendar month are required);
- Implementation of a Driver's Code of Conduct;
- All plant and equipment used to transport materials from the site are maintained in a proper and efficient condition, and operated in a safe manner;
- Vegetation is managed so that sight distances on the road shoulder are maintained;
- A speed limit of 40 km/ hr applies to the Main Site Access Road, Light Vehicle Access Road and roads around the leases, and a speed limit of 30 km/ hr applies to all areas within the mine site; and
- All vehicles travelling on public roads are required to abide by the local speed limits ensuring they slow down to 50 km/ hr while travelling through the Nymagee, Cobar and Hermidale townships.

The SSD 243 19456 limits for transport of concentrate are:

- A maximum of 155,000 tonnes of concentrate may be transported from the site in any financial year;
- Transportation of lead and zinc concentrate and gold ore from the site – daylight hours, 7 days per week; and
- No more than eight vehicle movements (entering and leaving the site) per day, averaged over a calendar month.

The SSD 243 19456 limits for transport of ore are:

- A maximum of 600,000 tonnes of ore may be transported from the site to the Peak Mine in any financial year.
- The entry and exit of vehicles transporting ore between the Peak Mine and the site can only be undertaken between the hours of 7am and 10pm
- No more than 24 vehicle movements per day (leaving the site)

15.3. ENVIRONMENTAL MONITORING RESULTS

In accordance with SSD 243 19456, Schedule 2, Condition B56, Hera Resources is required to keep accurate records of the amount of ore, concentrate and/or waste transported from the site, including between Hera Mine and Federation Mine on a daily basis and the number of daily and annual truck movements generated by the development.

During the reporting period no trucking of concentrate was undertaken due to the site being in Care and Maintenance. Trucking of ore to the Peak Mine commenced in November 2024 and continued throughout the reporting period. **Table 28** shows a summary of quantity of ore transported to Peak Mine from Federation and average daily vehicle movements.

Table 28 : Quantity of ore and average daily vehicle movements – Federation to Peak Mine.

Month	Quantity transported	Average daily vehicle movements
November 2024	4,203.55	13.2
December 2024	12,407.19	19.37
January 2025	-	-
February 2025	716.40	6.67
March 2025	15,607.75	15.62
April 2025	16,657.55	16.00
May 2025	21,235.25	19.10
June 2025	19,314.05	16.20
TOTAL	88,142.55	

Note – A return trip from Federation to Peak mine is considered to be 2 vehicle movements

15.4. COMMUNITY COMPLAINTS

One complaint regarding traffic noise was received during the reporting period and is addressed in Section 10.5.

15.5. PROPOSED IMPROVEMENTS

Traffic Management will continue to be managed in accordance with the Traffic Management Plan. Monitoring and reporting as required by SSD 24319456 will continue.

16. HERITAGE

16.1. OVERVIEW

The requirements pertaining to heritage at Hera –Federation are detailed in Schedule 2, Conditions B62 to B67 of SSD 24319456. These requirements relate primarily to aboriginal heritage. Aboriginal heritage at Hera is managed in accordance with the *Aboriginal Cultural Heritage Management Plan* (ACHMP), which has been updated for Mod 2.

16.2. ENVIRONMENTAL MANAGEMENT

The following management measures are implemented for the management of unexpected heritage finds:

- All employees and contractors to Hera-Federation Mine must undertake heritage training during site inductions;
- Ground disturbance permits are required when breaking ground and part of this process involves inspecting the site for heritage items with a suitably qualified archaeologist and Registered Aboriginal Parties (RAPs) being present;
- Any sites identified during a pre-inspection are recorded, mapped and delineated;
- If any suspected Aboriginal or non-Aboriginal heritage sites, artefacts or spiritual places are found during ground clearing construction activities or mining, all work in the vicinity will cease immediately, and the unexpected finds procedure in the HMP will be implemented. The relevant agencies and Aboriginal stakeholders will be notified if required; and
- Activities will not recommence in the area of the find, until the relevant stakeholders have inspected the site and permission has been given to continue with the activity.

16.3. ENVIRONMENTAL MONITORING RESULTS

No due diligence surveys were completed during the reporting period.

16.4. PROPOSED IMPROVEMENTS

There were no heritage related incidents during the reporting period. First Nations heritage education will be continued through the Aurelia Induction process. Consideration of First Nations heritage will continue to be considered for new disturbance works.

17. COMMUNITY

17.1. Community Environmental Complaints

During the reporting period four complaints were received. A summary of each complaint is detailed in **Table 29**.

Table 29 : Summary of complaints.

Complaint type	Details
Air quality	Dust on the TSF
Ore Transport	Rocks on the public road from ore transport
Ore Transport	Ore transport trucks operating outside approved hours
Ore Transport//Noise	Noise from ore transport trucks.

Complaints were investigated and where necessary actions taken to prevent a reoccurrence.

Figure 31 presents a summary of the complaints received at Hera -Federation since FY2012 to FY2025.

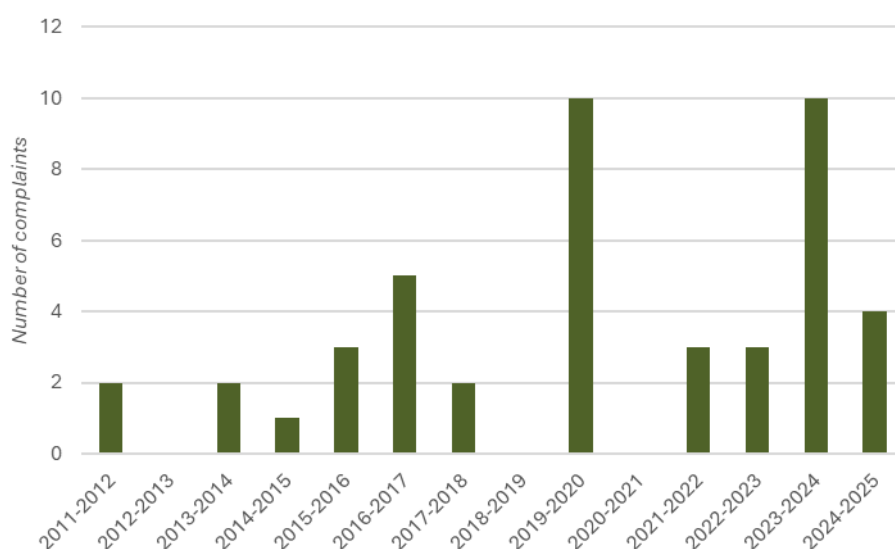


Figure 31- Summary of complaints received for the life of the Hera -Federation

17.2. Community Engagement

Hera recognises its responsibilities as a member of the Nymagee community and surrounding region and demonstrates this through a range of community contacts, provisions and interactions. A summary of this involvement is presented in **Table 30**.

Table 30 : Summary of Community Consultation during the FY2024-2025 Reporting Period.

Forum	Consultation/Contribution
Nymagee and surrounds	Hera -Federation is one of the largest employers in the local region and recognises this by employing local residents where possible and sourcing contractors from the local region
Financial contributions and donations	Financial contributions made during the reporting period included: • Nymagee Christmas Tree • Nymagee Cricket Club • Nymagee Gymkhanna • Nymagee CWA Flower Show • Paula Potter Memorial Cup • Hermidale Public School Future Farmers program • Anzac day service Breakfast and wreath
Community Consultative Committee (CCC) Meetings	Hera-Federation held four CCC meetings during the reporting period. Meetings were held in August and December 2024 and February and May 2025. The CCC meetings are chaired by an Independent Chairperson approved by DPE and attended by community representatives to discuss the environmental and operational progress of the mine and provide an opportunity to discuss any concerns the community may have.
Company website	Hera Resources operate and update a website where it provides operational, environmental and cash flow reports, environmental monitoring data, management plans and independent audits

18. INDEPENDENT AUDIT

Following the commencement of the construction of the Federation Mine, the SSD requires *Within one year of the date of physical commencement of development under this consent, and every three years after, unless the Planning Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit of the development.* An Independent Environmental Audit was undertaken on the 8th and 9th of May 2025. As per the SSD conditions the next IEA will be due to be completed in May 2028.

The IEA report and Hera Resources action plan to address recommendations and non-compliances was submitted to DPHI in August 2025 and a copy of the report and actions is available on the Aurelia website.

19. INCIDENTS AND NON-COMPLIANCES

There were three incidents during the reporting period. All were reported to relevant authorities and agencies. A summary of the incidents is provided in **Table 31**.

Non-compliances throughout the reporting period are detailed in **Table 2**.

Table 31: Reported incidents during 2025FY .

Date	Incident type	Incident Summary
16 September 2024	Pipeline leak	125mm poly pipeline transferring water from Federation to Hera leaked water from an air release valve onto the ground. Reported to DPHI as per SSD requirements.
24 September 2024	Deceased kangaroo	Deceased kangaroo identified in Water Management Dam sump. Reported to DPHI as per SSD requirements.
7 October 2024	Deceased kangaroo	Deceased kangaroo identified in Water Management Dam sump. Reported to DPHI as per SSD requirements.

20. ACTIVITIES TO BE COMPLETED IN NEXT REPORTING PERIOD

Table 32 provides a summary of proposed activities for the next Annual Review reporting period.

Table 32: Activities proposed for the next Annual Reporting Period.

Proposed activity	Timing
Air Quality monitoring network review and installation of additional monitoring equipment.	December 2025
Continued management of dust generation on Tailings Storage Facility utilising evaporators and fine misting.	Ongoing
Application to remove requirement for utilisation of system to keep public up to date on blast schedule due to underground nature of the mining operations and proximity of sensitive receivers .	November 2025
Continue investigations and potential mitigation actions where necessary for traffic noise complaint.	December 2025
Continue management and monitoring of Hera - Federation sites in line with the Biodiversity Management Plan .	Ongoing
Implement improvements to waste management on site with particular emphasis on hydrocarbon management.	Ongoing
Continue monitoring of surface and groundwater in line with EPL requirements and the Water Management Plan.	Ongoing
Rehabilitation of exploration drill holes and pads as areas become available.	Ongoing

APPENDIX 1- Groundwater Chemistry - Hera

Licence Point	Analyte (mg/L)													
	Sb	As	HCO3-	B	Cd	Ca	CO3-2	Cl	Cr	Cu	CN-(Free)	CN-(Total)	CN-(WAD)	EC (mS/cm)
WB4	0.001	0.002	684	0.48	<0.0001	253	<1	1300	<0.001	<0.001	<0.004	<0.004	<0.004	5.85
WB10	<0.001	<0.001	642	0.54	<0.0001	221	<1	1180	<0.001	<0.001	<0.004	<0.004	<0.004	5.40
WB15	<0.001	<0.001	483	1.34	<0.0001	74	<1	1190	<0.001	<0.001	<0.004	<0.004	<0.004	5.72
WB16	0.001	0.004	1650	0.76	<0.0001	349	<1	1370	<0.001	0.001	<0.004	<0.004	<0.004	6.80
WB18	0.005	0.001	343	0.55	<0.0001	61	<1	401	<0.001	<0.001	<0.004	<0.004	<0.004	2.43
WB20	<0.001	0.004	570	1.89	<0.0001	79	<1	1420	<0.001	<0.001	<0.004	<0.004	<0.004	7.19
TSFOB01	Dry at 15.05m													
TSFOB02	Dry at 14.60m													
TSFOB03	Dry at 14.20m													
TSFOB04	Dry at 14.85m													
TSFOB05	Dry at 14.96m													

	Analyte (mg/L)													
Licence Point	Fe	Pb	Mg	Hg	Mo	Ni	pH	K	Ag	Na	Sn*	TDS	Zn	SWL (m)
WB4	<0.05	<0.001	248	<0.0001	0.002	0.002	6.84	22	<0.001	695	<0.001	3560	<0.005	59.60
WB10	<0.05	<0.001	215	<0.0001	<0.001	<0.001	7.20	16	<0.001	685	<0.001	3550	0.008	61.49
WB15	0.36	<0.001	149	<0.0001	<0.001	<0.001	7.17	34	<0.001	993	<0.001	3690	<0.005	58.11
WB16	<0.05	<0.001	389	<0.0001	<0.001	0.002	6.98	33	<0.001	723	<0.001	4660	<0.005	91.11
WB18	0.17	<0.001	75	<0.0001	0.001	<0.001	7.13	16	<0.001	382	<0.001	1420	<0.005	76.72
WB20	<0.05	0.005	111	<0.0001	<0.001	0.002	7.05	34	<0.001	1460	<0.001	4410	0.006	65.36
TSFOB01	Dry at 15.05m													
TSFOB02	Dry at 14.60m													
TSFOB03	Dry at 14.20m													
TSFOB04	Dry at 14.85m													
TSFOB05	Dry at 14.96m													

APPENDIX 2 - Groundwater Chemistry - Federation

Quarterly Federation Groundwater monitoring – September 2024

Licence Point	Analyte (mg/L)													
	Sb	As	HCO3-	B	Cd	Ca	CO3-2	Cl	Cr	Cu	CN- (Free)	CN- (Total)	CN- (WAD)	EC (mS/cm)
FMB001	<0.001	0.009	470	0.44	<0.0001	113	<1	900	<0.001	<0.001	<0.004	<0.004	<0.004	4.18
FMB002	<0.001	<0.001	315	0.3	<0.0001	96	<1	1220	<0.001	<0.001	<0.004	<0.004	<0.004	4.67
FMB003	<0.001	<0.001	416	0.52	<0.0001	146	<1	1470	<0.001	<0.001	<0.004	<0.004	<0.004	5.41
FMB004	<0.001	0.004	319	0.25	<0.0001	62	<1	643	<0.001	<0.001	<0.004	<0.004	<0.004	2.65
FMB005	<0.001	0.008	412	0.48	<0.0001	136	<1	1280	<0.001	<0.001	<0.004	<0.004	<0.004	4.8
FMB006	<0.001	<0.001	369	0.49	<0.0001	319	<1	2720	<0.001	<0.001	<0.004	<0.004	<0.004	9.4

Licence Point	Analyte (mg/L)													
	Fe	Pb	Mg	Hg	Mo	Ni	pH	K	Ag	Na	Sn*	TDS	Zn	SWL (m)
FMB001	8.65	<0.001	170	<0.0001	0.002	0.011	6.88	21	<0.001	619	<0.001	2720	0.025	84.95
FMB002	0.72	<0.001	129	<0.0001	<0.001	<0.001	7.13	21	<0.001	728	<0.001	3040	<0.005	89.45
FMB003	1.76	<0.001	209	<0.0001	<0.001	0.004	6.96	30	<0.001	770	<0.001	3520	0.007	87.04
FMB004	15.4	0.004	88	<0.0001	<0.001	0.003	6.55	22	<0.001	383	0.001	1720	0.021	88.75
FMB005	21.9	<0.001	205	<0.0001	<0.001	0.012	6.84	29	<0.001	671	<0.001	3120	0.009	87.48
FMB006	<0.05	<0.001	416	<0.0001	0.003	0.009	6.56	38	<0.001	1210	<0.001	6110	0.005	73.94

Quarterly Federation Groundwater monitoring – December 2024

Licence Point	Analyte (mg/L)													
	Sb	As	HCO3-	B	Cd	Ca	CO3-2	Cl	Cr	Cu	CN-(Free)	CN-(Total)	CN-(WAD)	EC (mS/cm)
FMB001	0.001	0.004	447	0.4	0.0001	168	<1	1400	<0.001	<0.001	<0.004	<0.004	<0.004	6280
FMB002	0.014	0.002	430	0.38	0.0009	122	<1	890	<0.001	0.002	<0.004	<0.004	<0.004	4380
FMB003	<0.001	0.003	439	0.56	<0.0001	157	<1	1360	<0.001	<0.001	<0.004	<0.004	<0.004	6020
FMB004	<0.001	0.002	510	0.32	<0.0001	99	<1	816	0.002	<0.001	<0.004	<0.004	<0.004	4590
FMB005	0.009	<0.001	180	0.35	0.0023	371	<1	2960	<0.001	0.006	<0.004	<0.004	<0.004	10200
FMB006	<0.001	<0.001	265	0.45	<0.0001	435	<1	3680	<0.001	<0.001	<0.004	<0.004	<0.004	12000
FMDD1	Dry at 7.95m													
FMDD2	Dry at 8.09m													
FMDD3	Dry at 8.38m													
FLLP01	Dry at 7.87m													
FLLP02	Dry at 8.05m													
FLLP03	Dry at 8.06m													
FLLP04	Dry at 7.52m													

Quarterly Federation Groundwater monitoring – March 2025

Licence Point	Analyte (mg/L)													
	Sb	As	HCO3-	B	Cd	Ca	CO3-2	Cl	Cr	Cu	CN-(Free)	CN-(Total)	CN-(WAD)	EC (mS/cm)
FMB001	0.001	0.004	447	0.4	0.0001	168	<1	1400	<0.001	<0.001	<0.004	<0.004	<0.004	6280
FMB002	0.014	0.002	430	0.38	0.0009	122	<1	890	<0.001	0.002	<0.004	<0.004	<0.004	4380
FMB003	<0.001	0.003	439	0.56	<0.0001	157	<1	1360	<0.001	<0.001	<0.004	<0.004	<0.004	6020
FMB004	<0.001	0.002	510	0.32	<0.0001	99	<1	816	0.002	<0.001	<0.004	<0.004	<0.004	4590
FMB005	0.009	<0.001	180	0.35	0.0023	371	<1	2960	<0.001	0.006	<0.004	<0.004	<0.004	10200
FMB006	<0.001	<0.001	265	0.45	<0.0001	435	<1	3680	<0.001	<0.001	<0.004	<0.004	<0.004	12000
FMDD1	Dry at 7.95m													
FMDD2	Dry at 8.09m													
FMDD3	Dry at 8.38m													
FLLP01	Dry at 7.87m													
FLLP02	Dry at 8.05m													
FLLP03	Dry at 8.06m													
FLLP04	Dry at 7.52m													

