



A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, **you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.**

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing-and-regulation/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

A1. Licence holder

Licence number : 20192
Licence holder : MT BOPPY RESOURCES PTY LTD
Trading name (if applicable) :
ABN : 78 611 963 216
ACN : 611 963 216
Reporting period : From: 10-1-2022 To: 9-1-2023

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : MT BOPPY GOLD MINE
Premises : Gilgunnia-Canbelego Road CANBELEGO 2835 NSW

A3. Activities to which Licence Applies

Mining for minerals
Crushing, grinding or separating
Mineral processing
Chemical storage

A4. Other Activities (if applicable)

A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.



Fee-based activity	Activity scale	Unit of measure
Crushing, grinding or separating	> 100,000.00 - 500,000.00	T annual processing capacity
Mineral processing	> 100,000.00 - 500,000.00	T annual processing capacity
General chemicals storage	> 0.00 - 5,000.00	kL storage capacity
Mining for minerals	> 100,000.00 - 500,000.00	T annual production capacity

A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the **load-based fee**.

The following assessable pollutants are identified for the fee-based activity classifications in the licence:

B. Monitoring and Complaints Summary

B1. Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	0
Water	0
Noise	0
Waste	0
Other	0
Total complaints recorded by the licensee during the reporting period	0

B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

Monitoring Point 3

Surface Water Monitoring, Upstream of control site (SW1) - external to tenements, as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	milligrams per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
pH	pH					
Sodium	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 4

Surface Water Monitoring, Downstream site (SW2) - downstream limits of tenements, as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Arsenic	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	milligrams per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
pH	pH					
Sodium	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 5

Surface Water Monitoring, In pit water body/sump (SW3) - existing baseline pre-mining and post mining groundwater condition expression, as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	milligrams per litre					
Carbonate	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Chlorine	milligrams per litre					
Chromium	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Flow	litres					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Nickel	milligrams per litre					
pH	pH					
Sodium	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	milligrams per litre					

Monitoring Point 6

Surface Water Monitoring, Upslope of influence of TSF11 and WRD3 (SW4) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	milligrams per litre					
Carbonate	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Chlorine	milligrams per litre					
Copper	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
pH	pH					
Sodium	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	milligrams per litre					

Discharge & Monitoring Point 10

Discharge and Surface Water Monitoring Basin, Dirty Water Mine Dam (SW5) - receiving runoff from the WRE incorporating PAF encapsulation as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	milligrams per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					



Lead	milligrams per litre					
Magnesium	milligrams per litre					
pH	pH					
Sodium	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	milligrams per litre					

Discharge & Monitoring Point 11

Discharge and Surface Water Monitoring Basin, Sediment Basin 1 (SW6) - receiving runoff from the site office and workshop as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre					
Oil and Grease	milligrams per litre					
pH	pH					
Total suspended solids	milligrams per litre					
Turbidity	nephelometric turbidity units					

Discharge & Monitoring Point 12

Discharge and Surface Water Monitoring Basin, Sediment Basin 2 (SW7) - receiving runoff from the WRE receiving non-acid forming material as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre					
Oil and Grease	milligrams per litre					
pH	pH					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Total suspended solids	milligrams per litre					
Turbidity	nephelometric turbidity units					

Monitoring Point 20

Groundwater Monitoring, Upslope of TSF3 (PZ4) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					



Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Monitoring Point 21

Groundwater Monitoring, Upslope of TSF11 (PZ1) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Monitoring Point 23

Groundwater Monitoring and Production Bore, South of pit area (PBP17) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Monitoring Point 24

Groundwater Monitoring, Adjacent to production bore PB17 (PBP18) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Monitoring Point 25

Groundwater Monitoring, Adjacent to Production Bore PB17 (PBP19) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Monitoring Point 26

Groundwater Monitoring, Adjacent to Production Bore PB17 (PBP20) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					
Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Monitoring Point 28

Groundwater Conditions Downslope of WRE, Groundwater conditions downslope of WRE (PZ3) - as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Alkalinity (as calcium carbonate)	milligrams per litre					
Aluminium	milligrams per litre					



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Arsenic	milligrams per litre					
Bicarbonate	milligrams per litre					
Cadmium	milligrams per litre					
Calcium	micrograms per litre					
Carbonate	milligrams per litre					
Chlorine	milligrams per litre					
Copper	milligrams per litre					
Cyanide (total)	milligrams per litre					
Cyanide (weak acid dissociable)	milligrams per litre					
Electrical conductivity	microsiemens per centimetre					
Iron	milligrams per litre					
Lead	milligrams per litre					
Magnesium	milligrams per litre					
Manganese	milligrams per litre					
Oil and Grease	milligrams per litre					
pH	pH					
Potassium	milligrams per litre					
Redox potential	-					
Sodium	milligrams per litre					
Standing Water Level	metres					
Sulfate	milligrams per litre					
Total dissolved solids	milligrams per litre					
Total suspended solids	milligrams per litre					
Zinc	micrograms per litre					

Discharge & Monitoring Point 29

Discharge and Surface Water Monitoring Basin, Sediment Basin 3 (SW8) - Receiving runoff from the WRE receiving non-acid forming material as shown on map titled "Mt Boppy Mine Site, Figure 2 Monitoring Locations" as provided in the OEMP Version 4, dated 12 August 2015.

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Electrical conductivity	microsiemens per centimetre					
Oil and Grease	milligrams per litre					
pH	pH					
Total suspended solids	milligrams per litre					
Turbidity	nephelometric turbidity units					

Name of the uploaded file containing point data ▼

AR Section B2 Concentration Monitoring Summary Sheet v3.pdf

B2 Concentration Monitoring Comments

The NATA Lab provided "filtered" results for certain pollutants (e.g. major cations) for metals. There was no operational (mining or crushing) activity onsite during the 2022 reporting period..

B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

C. Statement of Compliance - Licence Conditions

C1. Compliance with Licence Conditions

Were all conditions of the licence complied with (including monitoring and reporting requirements)?	No
---	-----------

C2. Details of Non-Compliance with Licence

Licence condition number not complied with ▼

L2.4

Summary of particulars of the non-compliance ▼



Exceedance in concentration limits - low pH limit detected during a 5-rainfall period (26-30 Apr 2022) while no scheduled activity onsite during the 2022 reporting period.

Further details on particulars of non-compliance, if required ▼

While the mine was non-operational (no scheduled activity occurring on site) low-pH reading was measured over a 5-day rainfall (87mm total) period (26-30 April 2022) at Monitoring Pt 29.

Number of times occurred ▼

1

Date(s) when the non-compliance occurred, if applicable ▼

27/4/2022

Cause of non-compliance ▼

The 5-day Rainfall event ((26-30 April 2022) causing excess soil movement of legacy sediment inside the basin and surrounding soil at the base of the WRE.

Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼

While no scheduled activity currently happening onsite, ongoing monitoring and internal water sampling of the basins' water (where present) will continue into the next reporting period.

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

Planning currently underway to explore, reclaim and progressively rehabilitate the overburden (WRE).

Uploaded Document Name ▼

20220603_133159.jpg

Uploaded Document Description ▼

Local rainfall data

Licence condition number not complied with ▼

L2.4

Summary of particulars of the non-compliance ▼

Exceedance in concentration limits - high turbidity test results at monitoring points 11, 12, and 29 during a 5-day rainfall period (26 to 30 April 2022) while no scheduled activity onsite being undertaken in 2022.

Further details on particulars of non-compliance, if required ▼

While the mine was non-operational (no scheduled activity occurring on site) analysis results indicated high turbidity readings during discharge (into the basins) over a 5-day rainfall (87mm total) period (26 to 30 April 2022) at monitoring points 11, 12, and 29.

Number of times occurred ▼

1

Date(s) when the non-compliance occurred, if applicable ▼

27/4/2022

Cause of non-compliance ▼

The 5-day Rainfall event caused excess soil movement of legacy sediment inside the basin and surrounding soil at the base of the WRE. Mine site currently not operating.

Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼



While no scheduled activity currently happening onsite, ongoing monitoring in accordance with the EPL and internal water sampling of the basins' water (where present) will continue into the next reporting period.

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

Planning currently underway to explore, reclaim and progressively rehabilitate the overburden (WRE).

Uploaded Document Name ▼

Uploaded Document Description ▼

Licence condition number not complied with ▼

L2.4

Summary of particulars of the non-compliance ▼

Exceedance in concentration limits - high suspended solids detected during a 5-day rainfall period (26-30 Apr 2022) at monitoring points 11 and 12 while no scheduled activity onsite being undertaken in 2022.

Further details on particulars of non-compliance, if required ▼

While the mine was non-operational (no scheduled activity occurring on site) analysis results indicated high suspended solids readings during discharge event (into the basins) over a 5-day rainfall (87mm total) period.

Number of times occurred ▼

1

Date(s) when the non-compliance occurred, if applicable ▼

27/04/2022

Cause of non-compliance ▼

The 5-day Rainfall event caused excess soil movement of legacy sediment inside the basin and surrounding soil at the base of the WRE. Mine site currently not operating.

Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼

While no scheduled activity currently happening onsite, ongoing monitoring and internal water sampling of the basins' water (where present) will continue into the next reporting period.

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

Planning currently underway to explore, reclaim and progressively rehabilitate the overburden (WRE).

Uploaded Document Name ▼

Uploaded Document Description ▼

Licence condition number not complied with ▼

M2.2



Summary of particulars of the non-compliance ▼
Failed to visit and collect samples from the monitoring points due to company covid lockdown in June 2022 and during the regional flood in October 2022.
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
2
Date(s) when the non-compliance occurred, if applicable ▼
June 2022, October 2022
Cause of non-compliance ▼
Covid outbreak onsite resulting in work from home mandate last June 2022; Regional flooding in October.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
While no scheduled activity occurred during the reporting period, environmental monitoring continued in accordance with the EPL. Opportunistic internal sampling where water is present will continue in the next reporting period.
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
While no scheduled activity occurred during the reporting period, environmental monitoring continued in accordance with the EPL. Opportunistic internal sampling where water is present will continue in the next reporting period.
Uploaded Document Name ▼
Uploaded Document Description ▼

D. Statement of Compliance - Load Based Fee Calculation

If you are not required to monitor assessable pollutants by your licence, **no data** will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity. A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.



E. Statement of Compliance - Requirement to Prepare PIRMP

Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997?		Yes
Is the PIRMP available at the premises?		Yes
Is the PIRMP available in a prominent position on a publicly accessible website?		Yes
Address of the web page where the PIRMP can be accessed ▼		
https://www.manukaresources.com.au/site/sustainability/environmental-reporting-and-licenses		
Has the PIRMP been tested?		Yes
The PIRMP was last tested on	16-3-2022	
Has the PIRMP been updated?		Yes
The PIRMP was last updated on	15-12-2022	
Number of times the PIRMP was activated in this reporting period?		0
The PIRMP was activated on		

F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data

Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997?		Yes
Do you operate a website?		Yes
Is the pollution monitoring data published on your website in accordance with the EPA's written requirements for publishing pollution monitoring data?		Yes
Address of the web page where the pollution monitoring data can be accessed ▼		
https://www.manukaresources.com.au/site/sustainability/environmental-reporting-and-licenses		

G. Statement of Compliance - Environment Management System and Practices

Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS?		No
Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?		Yes



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Have you established and implemented an operational maintenance program, including preventative maintenance?	Yes
Do you keep records of regular inspections and maintenance of plant and equipment?	Yes
Do you conduct regular (at least yearly) environmental audits at the premises that are conducted by a competent and independent person?	No
Have you undertaken an independent environmental audit covering documented environmental practices, procedures and systems in place during the annual return period?	No
Have you established and implemented an environmental improvement or management plan?	Yes
Do you train staff in environmental issues that may arise from your activities and operations at the premises and keep records of this?	Yes

H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence under section 66 of the Protection of the Environment Operations Act 1997 to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.

Signature	
Name	
Position	
Date	/ /



Annual Return

MT BOPPY RESOURCES PTY LTD

Licence 20192

Declaration

I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and

I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023**NOTE:**

Sp Frq 1	Special Frequency 1 - Monthly where water is present
Sp Frq 2	Special Frequency 2 - Yearly where water is present
Sp Frq 3	Special Frequency 3 - Inspect yearly and sample and analyse where groundwater is present.
DDD	Daily During any Discharge

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
3	Aluminium	T	mg/L	Sp Frq 1	1	27.4	27.4	27.4
3	Arsenic	T	mg/L	Sp Frq 1	1	0.006	0.0	0.006
3	Cadmium	T	mg/L	Sp Frq 1	1	< 0.0001	0.0	0.0001
3	Calcium	T	mg/L	Sp Frq 1	1	8	8.0	8
3	Calcium	F	mg/L		1	3	3.0	3
3	Carbonate	T	mg/L	Sp Frq 1	1	< 1	1.0	1
3	Chlorine	T	mg/L	Sp Frq 1	1	0.4	0.4	0.4
3	Copper	T	mg/L	Sp Frq 1	1	0.025	0.0	0.025
3	Electrical Conductivity	T	µS/cm	Sp Frq 1	1	70	70.0	70
3	Iron	T	mg/L	Sp Frq 1	1	29	29.0	29
3	Lead	T	mg/L	Sp Frq 1	1	0.05	0.1	0.05
3	Magnesium	T	mg/L	Sp Frq 1	1	6	6.0	6
3	pH	T	pH Unit	Sp Frq 1	1	6.61	6.61	6.61
3	Sodium	T	mg/L	Sp Frq 1	1	1	1.0	1
3	Sodium	F	mg/L		1	2	2.0	2
3	Total suspended solids	T	mg/L	Sp Frq 1	1	374	374.0	374
3	Zinc	T	mg/L	Sp Frq 1	1	78	78.0	78

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
4	Aluminium	T	mg/L	Sp Frq 1	8	< 0.01	0.8	3.69
4	Arsenic	T	mg/L	Sp Frq 1	8	0.002	0.0	0.014
4	Arsenic	F	mg/L		1	0.002	0.0	0.002
4	Cadmium	T	mg/L	Sp Frq 1	8	0.0005	0.0	0.0274
4	Calcium	T	mg/L	Sp Frq 1	5	17	20608.2	59000
4	Calcium	F	mg/L		7	14	22030.4	116000
4	Carbonate	T	mg/L	Sp Frq 1	8	< 1	1.0	1
4	Chloride	T	mg/L		7	18	160.3	454
4	Chlorine	T	mg/L	Sp Frq 1	7	0.02	0.1	0.3
4	Copper	T	mg/L	Sp Frq 1	8	0.004	0.0	0.018
4	Electrical Conductivity	T	µS/cm	Sp Frq 1	8	209.1	923.3	2364
4	Iron	T	mg/L	Sp Frq 1	8	< 0.05	1.0	4.92
4	Lead	T	mg/L	Sp Frq 1	8	< 0.001	0.0	0.098
4	Magnesium	T	mg/L	Sp Frq 1	5	7	10.2	14
4	Magnesium	F	mg/L		7	6	38.0	85
4	pH	T	mg/L	Sp Frq 1	8	5.69	7.30	8.38
4	Sodium	T	mg/L	Sp Frq 1	5	12	19.0	26
4	Sodium	F	mg/L		7	15	96.7	271
4	Total suspended solids	T	mg/L	Sp Frq 1	8	< 5	34.3	204
4	Zinc	T	mg/L	Sp Frq 1	8	0.588	1231.7	8510

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
5	Aluminium	T	mg/L	Sp Frq 2	3	0.03	0.0	0.04
5	Arsenic	T	mg/L	Sp Frq 2	3	0.01	0.1	0.135
5	Cadmium	T	mg/L	Sp Frq 2	3	0.0018	0.0	0.0056
5	Calcium	T	mg/L	Sp Frq 2	2	134	81067.0	162000
5	Calcium	F	mg/L		3	110	39407.7	118000
5	Carbonate	T	mg/L	Sp Frq 2	3	< 1	1.0	1
5	Chlorine	T	mg/L	Sp Frq 2	3	0.02	0.0	0.04
5	Chromium	T	mg/L	Sp Frq 2	3	0.001	0.0	0.001
5	Copper	T	mg/L	Sp Frq 2	3	0.002	0.0	0.014
5	Cyanide (total)	T	mg/L	Sp Frq 2	1	0.029	0.0	0.029
5	Electrical Conductivity	T	µS/cm	Sp Frq 2	3	2890	3376.7	3890
5	Flow		Litres	Sp Frq 2	0	<	-	223,300
5	Iron	T	mg/L	Sp Frq 2	3	0.22	2.8	5.42
5	Lead	T	mg/L	Sp Frq 2	3	< 0.001	0.0	0.024
5	Magnesium	T	mg/L	Sp Frq 2	2	152	159.5	167
5	Magnesium	F	mg/L		3	118	133.0	145
5	Nickel	T	mg/L	Sp Frq 2	3	0.03	0.0	0.064
5	pH	T	pH Unit	Sp Frq 2	3	6.99	7.34	7.84
5	Sodium	T	mg/L	Sp Frq 1	2	508	538.0	568
5	Sodium	F	mg/L		3	379	447.3	496
5	Total suspended solids	T	mg/L	Sp Frq 2	3	8	15.3	24
5	Zinc	T	mg/L	Sp Frq 2	3	3.82	1227.9	2420

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
6	Aluminium	T	mg/L	Sp Frq 1	1	5.1	5.1	5.1
6	Arsenic	T	mg/L	Sp Frq 1	1	< 0.001	0.0	0.001
6	Cadmium	T	mg/L	Sp Frq 1	1	< 0.0001	0.0	0.0001
6	Calcium	T	mg/L	Sp Frq 1	1	7	7.0	7
6	Calcium	F	mg/L		1	6	6.0	6
6	Carbonate	T	mg/L	Sp Frq 1	1	< 1	1.0	1
6	Chlorine	T	mg/L	Sp Frq 1	1	< 0.2	0.2	0.2
6	Copper	T	mg/L	Sp Frq 1	1	0.006	0.0	0.006
6	Electrical Conductivity	T	µS/cm	Sp Frq 1	1	96.9	96.9	96.9
6	Iron	T	mg/L	Sp Frq 1	1	5.17	5.2	5.17
6	Lead	T	mg/L	Sp Frq 1	1	0.004	0.0	0.004
6	Magnesium	T	mg/L	Sp Frq 1	1	2	2.0	2
6	pH	T	pH Unit	Sp Frq 1	1	6.65	6.65	6.65
6	Sodium	T	mg/L	Sp Frq 1	1	< 1	1.0	1
6	Sodium	F	mg/L		1	< 1	1.0	1
6	Total suspended solids	T	mg/L	Sp Frq 1	1	112	112.0	112
6	Zinc	T	mg/L	Sp Frq 1	1	12	12.0	12

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
10	Aluminium	T	mg/L	Sp Frq 1	9	0.12	1.6	3.31
10	Arsenic	T	mg/L	Sp Frq 1	9	< 0.001	0.0	0.003
10	Arsenic	F	mg/L		1	< 0.001	0.0	0.001
10	Cadmium	T	mg/L	Sp Frq 1	9	< 0.0001	0.0	0.0002
10	Calcium	T	mg/L	Sp Frq 1	5	16	11007.6	24000
10	Calcium	F	mg/L		8	12	4898.8	16000
10	Carbonate	T	mg/L	Sp Frq 1	10	< 1	1.0	1
10	Chloride	T	mg/L		9	6	98.4	466
10	Chlorine	T	mg/L	Sp Frq 1	9	0.02	0.2	0.8
10	Copper	T	mg/L	Sp Frq 1	9	< 0.001	0.0	0.008
10	Electrical Conductivity	T	µS/cm	Sp Frq 1	9	141.98	623.7	2268
10	Iron	T	mg/L	Sp Frq 1	9	0.15	1.8	3.46
10	Lead	T	mg/L	Sp Frq 1	9	< 0.001	0.0	0.017
10	Magnesium	T	mg/L	Sp Frq 1	5	6	7.6	9
10	Magnesium	F			8	5	21.3	77
10	pH	T	pH Unit	Sp Frq 1	9	6.84	7.59	8.5
10	Sodium	T	mg/L	Sp Frq 1	5	6	8.8	12
10	Sodium	F	mg/L		8	6	67.0	279
10	Total suspended solids	T	mg/L	Sp Frq 1	9	< 5	29.8	138
10	Zinc	T	mg/L	Sp Frq 1	9	0.012	20.7	68

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
11	Electrical Conductivity	T	µS/cm	DDD	1	783	1014.6	1560
11	Oil and Grease	T	mg/L	DDD	1	< 5	5.0	5
11	pH	T	pH Unit	DDD	1	6.75	6.75	6.75
11	Total suspended solids	T	mg/L	DDD	1	170	170.0	170
11	Turbidity	T	NTU	DDD	1	115	115.0	115

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
12	Electrical Conductivity	T	µS/cm	DDD	1	102	108.3	120
12	Oil and Grease	T	mg/L	DDD	1	< 5	5.0	5
12	pH	T	pH Unit	DDD	1	6.89	6.89	6.89
12	Total suspended solids	T	mg/L	DDD	1	401	401.0	401
12	Turbidity	T	NTU	DDD	1	724	724.0	724

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
29	Electrical Conductivity	T	µS/cm	DDD	1	439	505.0	571
29	Oil and Grease	T	mg/L	DDD	1	< 5	5.0	5
29	pH	T	pH Unit	DDD	1	5.22	5.22	5.22
29	Total suspended solids	T	mg/L	DDD	1	36	36.0	36
29	Turbidity	T	NTU	DDD	1	53.9	53.9	53.9

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
20	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	404	446.0	488
20	Aluminium	T	mg/L	Sp Frq 3	1	0.42	0.4	0.42
20	Arsenic	T	mg/L	Sp Frq 3	1	0.004	0.0	0.004
20	Bicarbonate	T	mg/L	Sp Frq 3	2	404	446.0	488
20	Cadmium	T	mg/L	Sp Frq 3	1	0.0003	0.0	0.0003
20	Calcium	T	mg/L	Sp Frq 3	1	158000	158000.0	158000
20	Calcium	F	mg/L		2	113	54056.5	108000
20	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
20	Chlorine	T	mg/L	Sp Frq 3	2	0.02	0.0	0.03
20	Copper	T	mg/L	Sp Frq 3	1	0.021	0.0	0.021
20	Cyanide (total)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
20	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
20	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	3260	3486.7	3860
20	Iron	T	mg/L	Sp Frq 3	1	0.73	0.7	0.73
20	Lead	T	mg/L	Sp Frq 3	1	0.038	0.0	0.038
20	Magnesium	T	mg/L	Sp Frq 3	1	213	213.0	213
20	Magnesium	F	mg/L		2	108	132.0	156
20	Manganese	T	mg/L	Sp Frq 3	1	0.075	0.1	0.075
20	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
20	pH	T	pH Unit	Sp Frq 3	3	7.06	7.35	7.59
20	Potassium	T	mg/L	Sp Frq 3	1	19	19.0	19
20	Potassium	F	mg/L		2	10	12.5	15
20	Redox potential	T	%	Sp Frq 3	2	71.2	74.2	77.1
20	Sodium	T	mg/L	Sp Frq 3	1	776	776.0	776
20	Standing Water Level		metres	Sp Frq 3	3	38	55.3	64.3
20	Sulfate	F	mg/L	Sp Frq 3	2	360	437.5	515
20	Total dissolved solids	T	mg/L	Sp Frq 3	2	2200	2485.0	2770
20	Total suspended solids	T	mg/L	Sp Frq 3	2	12	23.0	34
20	Zinc	T	mg/L	Sp Frq 3	1	189	189.0	189

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
21	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	537	599.5	662
21	Aluminium	T	mg/L	Sp Frq 3	1	0.16	0.2	0.16
21	Arsenic	T	mg/L	Sp Frq 3	1	0.002	0.0	0.002
21	Bicarbonate	T	mg/L	Sp Frq 3	2	537	599.5	662
21	Cadmium	T	mg/L	Sp Frq 3	1	< 0.0001	0.0	0.0001
21	Calcium	T	mg/L	Sp Frq 3	1	200000	200000.0	200000
21	Calcium	F	mg/L		2	134	79567.0	159000
21	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
21	Chlorine	T	mg/L	Sp Frq 3	2	0.02	0.0	0.03
21	Copper	T	mg/L	Sp Frq 3	1	< 0.001	0.0	0.001
21	Cyanide (total)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
21	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
21	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	5073	5417.7	5830
21	Iron	T	mg/L	Sp Frq 3	1	0.56	0.6	0.56
21	Lead	T	mg/L	Sp Frq 3	1	0.005	0.0	0.005
21	Magnesium	T	mg/L	Sp Frq 3	1	193	193.0	193
21	Manganese	T	mg/L	Sp Frq 3	1	0.23	0.2	0.23
21	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
21	pH	T	pH Unit	Sp Frq 3	3	6.9	7.08	7.35
21	Potassium	T	mg/L	Sp Frq 3	1	14	14.0	14
21	Potassium	F	mg/L		2	10	14.5	19
21	Redox potential	T	%	Sp Frq 3	2	95.6	96.7	97.7
21	Sodium	T	mg/L	Sp Frq 3	1	702	702.0	702
21	Sodium	F	mg/L	Sp Frq 3	2	628	700.0	772
21	Standing Water Level		metres	Sp Frq 3	3	55.47	58.8	63.47
21	Sulfate	F	mg/L	Sp Frq 3	2	565	590.0	615
21	Total dissolved solids	T	mg/L	Sp Frq 3	2	3180	3455.0	3730
21	Total suspended solids	T	mg/L	Sp Frq 3	2	56	58.0	60
21	Zinc	T	mg/L	Sp Frq 3	1	95	95.0	95

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
23	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	182	254.0	326
23	Aluminium	T	mg/L	Sp Frq 3	1	1.4	1.4	1.4
23	Arsenic	T	mg/L	Sp Frq 3	1	0.009	0.0	0.009
23	Bicarbonate	T	mg/L	Sp Frq 3	2	182	254.0	326
23	Cadmium	T	mg/L	Sp Frq 3	1	0.0007	0.0	0.0007
23	Calcium	T	mg/L	Sp Frq 3	1	88000	88000.0	88000
23	Calcium	F	mg/L		2	130	36065.0	72000
23	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
23	Chlorine	T	mg/L	Sp Frq 3	2	0.03	0.0	0.05
23	Copper	T	mg/L	Sp Frq 3	1	0.014	0.0	0.014
23	Cyanide (total)	T	mg/L	Sp Frq 3	1	0.017	0.0	0.017
23	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
23	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	2070	3826.7	5790
23	Iron	T	mg/L	Sp Frq 3	1	1.67	1.7	1.67
23	Lead	T	mg/L	Sp Frq 3	1	0.026	0.0	0.026
23	Magnesium	T	mg/L	Sp Frq 3	1	72	72.0	72
23	Manganese	T	mg/L	Sp Frq 3	1	0.089	0.1	0.089
23	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
23	pH	T	pH Unit	Sp Frq 3	3	6.92	7.13	7.35
23	Potassium	T	mg/L	Sp Frq 3	1	11	11.0	11
23	Potassium	F	mg/L		2	9	11.0	13
23	Redox potential	T	%	Sp Frq 3	2	99	102.0	105
23	Sodium	T	mg/L	Sp Frq 3	1	296	296.0	296
23	Sodium	F	mg/L		2	276	371.0	466
23	Standing Water Level		metres	Sp Frq 3	3	81.67	82.9	83.72
23	Sulfate	F	mg/L	Sp Frq 3	2	345	461.0	577
23	Total dissolved solids	T	mg/L	Sp Frq 3	2	1420	1990.0	2560
23	Total suspended solids	T	mg/L	Sp Frq 3	2	40	78.5	117
23	Zinc	T	mg/L	Sp Frq 3	1	230	230.0	230

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
24	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	378	449.0	520
24	Aluminium	T	mg/L	Sp Frq 3	1	0.2	0.2	0.2
24	Arsenic	T	mg/L	Sp Frq 3	1	0.013	0.0	0.013
24	Bicarbonate	T	mg/L	Sp Frq 3	2	378	449.0	520
24	Cadmium	T	mg/L	Sp Frq 3	1	0.0003	0.0	0.0003
24	Calcium	T	mg/L	Sp Frq 3	1	163000	163000.0	163000
24	Calcium	T	mg/L	Sp Frq 3	1	163000	163000.0	163000
24	Calcium	F	mg/L		2	188	66094.0	132000
24	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
24	Chlorine	T	mg/L	Sp Frq 3	2	0.02	0.0	0.05
24	Copper	T	mg/L	Sp Frq 3	1	0.028	0.0	0.028
24	Cyanide (total)	T	mg/L	Sp Frq 3	1	0.034	0.0	0.034
24	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
24	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	2860	4580.0	5700
24	Iron	T	mg/L	Sp Frq 3	1	1.06	1.1	1.06
24	Lead	T	mg/L	Sp Frq 3	1	0.016	0.0	0.016
24	Magnesium	T	mg/L	Sp Frq 3	1	133	133.0	133
24	Manganese	T	mg/L	Sp Frq 3	1	0.116	0.1	0.116
24	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
24	pH	T	pH Unit	Sp Frq 3	3	7.16	7.28	7.42
24	Potassium	T	mg/L	Sp Frq 3	1	27	27.0	27
24	Potassium	F	mg/L		2	17	21.0	25
24	Redox potential	T	%	Sp Frq 3	2	99.9	108.0	116
23	Sodium	T	mg/L	Sp Frq 3	1	296	296.0	296
24	Standing Water Level		metres	Sp Frq 3	3	73	73.1	73.26
24	Sulfate	F	mg/L	Sp Frq 3	2	676	750.0	824
24	Total dissolved solids	T	mg/L	Sp Frq 3	2	2190	2950.0	3710
24	Total suspended solids	T	mg/L	Sp Frq 3	2	6	21.0	36
24	Zinc	T	mg/L	Sp Frq 3	1	272	272.0	272

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
25	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	381	430.5	480
25	Aluminium	T	mg/L	Sp Frq 3	1	5.38	5.4	5.38
25	Arsenic	T	mg/L	Sp Frq 3	1	0.059	0.1	0.059
25	Bicarbonate	T	mg/L	Sp Frq 3	2	381	430.5	480
25	Cadmium	T	mg/L	Sp Frq 3	1	0.0013	0.0	0.0013
25	Calcium	T	mg/L	Sp Frq 3	1	190000	190000.0	190000
25	Calcium	F	mg/L		2	129	76564.5	153000
25	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
25	Chlorine	T	mg/L	Sp Frq 3	2	0.4	1.2	2
25	Copper	T	mg/L	Sp Frq 3	1	0.068	0.1	0.068
25	Cyanide (total)	T	mg/L	Sp Frq 3	1	0.031	0.0	0.031
25	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
25	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	3010	3913.3	4560
25	Iron	T	mg/L	Sp Frq 3	1	6.53	6.5	6.53
25	Lead	T	mg/L	Sp Frq 3	1	0.168	0.2	0.168
25	Magnesium	T	mg/L	Sp Frq 3	1	182	182.0	182
25	Manganese	T	mg/L	Sp Frq 3	1	1.12	1.1	1.12
25	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
25	pH	T	pH Unit	Sp Frq 3	3	6.93	7.22	7.37
25	Potassium	T	mg/L	Sp Frq 3	1	16	16.0	16
25	Redox potential	T	%	Sp Frq 3	2	94.7	97.4	100
25	Sodium	T	mg/L	Sp Frq 3	1	658	658.0	658
25	Standing Water Level		metres	Sp Frq 3	3	81.94	83.3	84.13
25	Sulfate	F	mg/L	Sp Frq 3	2	464	542.0	620
25	Total dissolved solids	T	mg/L	Sp Frq 3	2	2180	2685.0	3190
25	Total suspended solids	T	mg/L	Sp Frq 3	2	551	2060.5	3570
25	Zinc	T	mg/L	Sp Frq 3	1	660	660.0	660

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
26	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	507	526.5	546
26	Aluminium	T	mg/L	Sp Frq 3	1	0.09	0.1	0.09
26	Arsenic	T	mg/L	Sp Frq 3	1	0.002	0.0	0.002
26	Bicarbonate	T	mg/L	Sp Frq 3	2	507	526.5	546
26	Cadmium	T	mg/L	Sp Frq 3	1	< 0.0001	0.0	0.0001
26	Calcium	T	mg/L	Sp Frq 3	1	206000	206000.0	206000
26	Calcium	F	mg/L		2	193	85096.5	170000
26	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
26	Chlorine	T	mg/L	Sp Frq 3	2	0.02	0.0	0.02
26	Copper	T	mg/L	Sp Frq 3	1	0.003	0.0	0.003
26	Cyanide (total)	T	mg/L	Sp Frq 3	1	0.054	0.1	0.054
26	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
26	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	5440	5810.0	6170
26	Iron	T	mg/L	Sp Frq 3	1	0.34	0.3	0.34
26	Lead	T	mg/L	Sp Frq 3	1	0.01	0.0	0.01
26	Magnesium	T	mg/L	Sp Frq 3	1	231	231.0	231
26	Manganese	T	mg/L	Sp Frq 3	1	0.02	0.0	0.02
26	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
26	pH	T	pH Unit	Sp Frq 3	3	6.94	7.28	7.57
26	Potassium	T	mg/L	Sp Frq 3	1	19	19.0	19
26	Potassium	F	mg/L		2	17	17.0	17
26	Redox potential	T	%	Sp Frq 3	2	98.8	104.9	111
26	Sodium	T	mg/L	Sp Frq 3	1	861	861.0	861
26	Standing Water Level		metres	Sp Frq 3	3	72.7	73.1	73.32
26	Sulfate	F	mg/L	Sp Frq 3	2	803	810.0	817
26	Total dissolved solids	T	mg/L	Sp Frq 3	2	3970	3995.0	4020
26	Total suspended solids	T	mg/L	Sp Frq 3	2	8	15.5	23
26	Zinc	T	mg/L	Sp Frq 3	1	51	51.0	51

Mt Boppy Gold Mine EPL 20192 Annual Return Reporting Period: 10 January 2022 to 9 January 2023

EPL Pt. No.	Pollutant	Total or Filtered	Unit of Measure	No. of samples required by EPL	No. of samples collected and analysed	Lowest sample Value	Mean Sample Value	Highest Sample Value
28	Alkalinity (as calcium carbonate)	T	mg/L	Sp Frq 3	2	500	543.5	587
28	Aluminium	T	mg/L	Sp Frq 3	1	0.98	1.0	0.98
28	Arsenic	T	mg/L	Sp Frq 3	1	0.007	0.0	0.007
28	Bicarbonate	T	mg/L	Sp Frq 3	2	500	543.5	587
28	Cadmium	T	mg/L	Sp Frq 3	1	0.0002	0.0	0.0002
28	Calcium	T	mg/L	Sp Frq 3	1	154000	154000.0	154000
28	Calcium	F	mg/L		2	141	62570.5	125000
28	Carbonate	T	mg/L	Sp Frq 3	2	< 1	1.0	1
28	Chlorine	T	mg/L	Sp Frq 3	2	0.02	0.0	0.02
28	Copper	T	mg/L	Sp Frq 3	1	0.01	0.0	0.01
28	Cyanide (total)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
28	Cyanide (weak acid dissociable)	T	mg/L	Sp Frq 3	1	< 0.004	0.0	0.004
28	Electrical Conductivity	T	µS/cm	Sp Frq 3	3	5380	5506.7	5580
28	Iron	T	mg/L	Sp Frq 3	1	1.62	1.6	1.62
28	Lead	T	mg/L	Sp Frq 3	1	0.045	0.0	0.045
28	Magnesium	T	mg/L	Sp Frq 3	1	230	230.0	230
28	Manganese	T	mg/L	Sp Frq 3	1	0.064	0.1	0.064
28	Oil and Grease	T	mg/L	Sp Frq 3	1	< 5	5.0	5
28	pH	T	pH Unit	Sp Frq 3	3	7.08	7.42	7.76
28	Potassium	T	mg/L	Sp Frq 3	1	21	21.0	21
28	Potassium	F	mg/L		2	17	18.5	20
28	Redox potential	T	%	Sp Frq 3	2	102	108.0	114
28	Sodium	T	mg/L	Sp Frq 3	1	881	881.0	881
28	Standing Water Level		metres	Sp Frq 3	3	35.87	43.5	57.5
28	Sulfate	F	mg/L	Sp Frq 3	2	580	621.0	662
28	Total dissolved solids	T	mg/L	Sp Frq 3	2	3560	3675.0	3790
28	Total suspended solids	T	mg/L	Sp Frq 3	2	14	112.5	211
28	Zinc	T	mg/L	Sp Frq 3	1	166	166.0	166