

## NRAR Quarterly Report 5: Q3 2024

10/10/2024

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Natural Resources Access Regulator (NRAR)

## Enforceable Undertaking Commitments

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### Water Balance Model (WBM)

The Goldsim WBM has been implemented and reported internally every month which is assisting in guiding a wholistic approach to water management, across the site.

The WBM is also allowing BCOP to validate water intercepted from undisturbed catchments and forecast when groundwater/river extraction will be required due to low site water storage.

### Proposed Water Metering

As previously mentioned, all metering and telemetry has been installed in accordance with Appendix 1 of the EU and monitoring is ongoing.

### Calculating Water Take

A verification model was run to assess the model's accuracy in representing the rainfall runoff response to the WMS and to estimate the volume of runoff intercepted from the undisturbed catchment in the previous quarter.

The Site Water Balance data in **Figure 1** indicates the modelled storage volume (blue line) is similar to the observed storage volume (orange line). The modelled storage has showed a similar rise to the observed volumes during the quarter as increased rainfall led to a slight increase in site storages. Slightly above average rainfall for the quarter (Table 1) also led to a more saturated catchment and subsequently increased runoff was also experienced.

Figure 1: Water Model Run as of 30 September 2024.

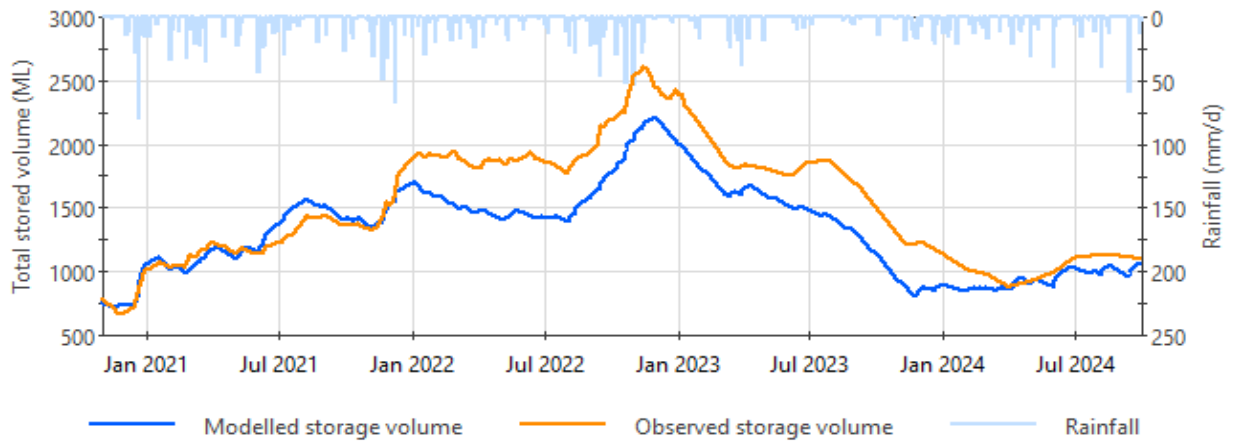


Table 1: Rainfall during reporting period

Month	Rainfall (mm)
July 2024	44
August 2024	65.4
September 2024	75.8

Table 2: Estimated &amp; Actual volume of runoff intercepted from soil stockpile dam undisturbed catchment Jul-Sept 2024

	Estimated runoff Volumes into Soil Stockpile dam from undisturbed catchment	Metered pump volumes Actual Interception (Soil Stockpile dam)
Volume (ML)	12.45	10.08

BCO had sufficient licence to account for unregulated water take during the quarter.

Table 3: Total Licensable take for Jul-Sep 2024

	Runoff from Third order and higher watercourses	Runoff from minor watercourses	Runoff from minor watercourses in excess of landholdings' harvestable rights
Volume (ML)	47.6	16.7	0

### Forecasting water take for acquisition allocation.

A Water Balance Model forecast was run to ensure BCOPL holds sufficient water allocation to account for future surface water take (See figure 2). See results below:

Three-month BOM Climate Outlook Oct-Dec 2024: Wet

Table 5: Predicted water take Oct-Dec 2024

	Predicted Runoff from Third order and higher watercourses	Predicted runoff from minor watercourses	Predicted runoff from minor watercourses in excess of landholdings' harvestable rights	Predicted volume requiring licencing
Volume (ML)	38.67	13.6	0	38.67

Current allocation held in WAL44134 (Water Year 24/25): 586ML

### Industry learnings

- The installation of real-time metering has allowed BCOP water managers to make real-time decisions around storages and water movement across the site.
- Additional pumping, pipework and filtration installed as part of the process has facilitated the use of dam water in the Coal Processing Plant, thereby reducing the requirement for the use of bore water.
- The real-time storage monitoring will also reduce the need for regular survey pickup of dam storage levels which is a strain on resources and can vary with human error.
- The Goldsim model has provided reliable modelling of our site water storages recently during dry times which has allowed the mine to adequately prepare groundwater bore infrastructure and implement water saving initiatives on site.

## Surface Water Management Plan (SWMP)

DPHI approved BCO's SWMP on 17 September 2024. A copy was emailed to NRAR on 24 September. The approved SWMP includes relevant information from the Enforceable Undertaking including licencing, metering, telemetry and monitoring requirements.

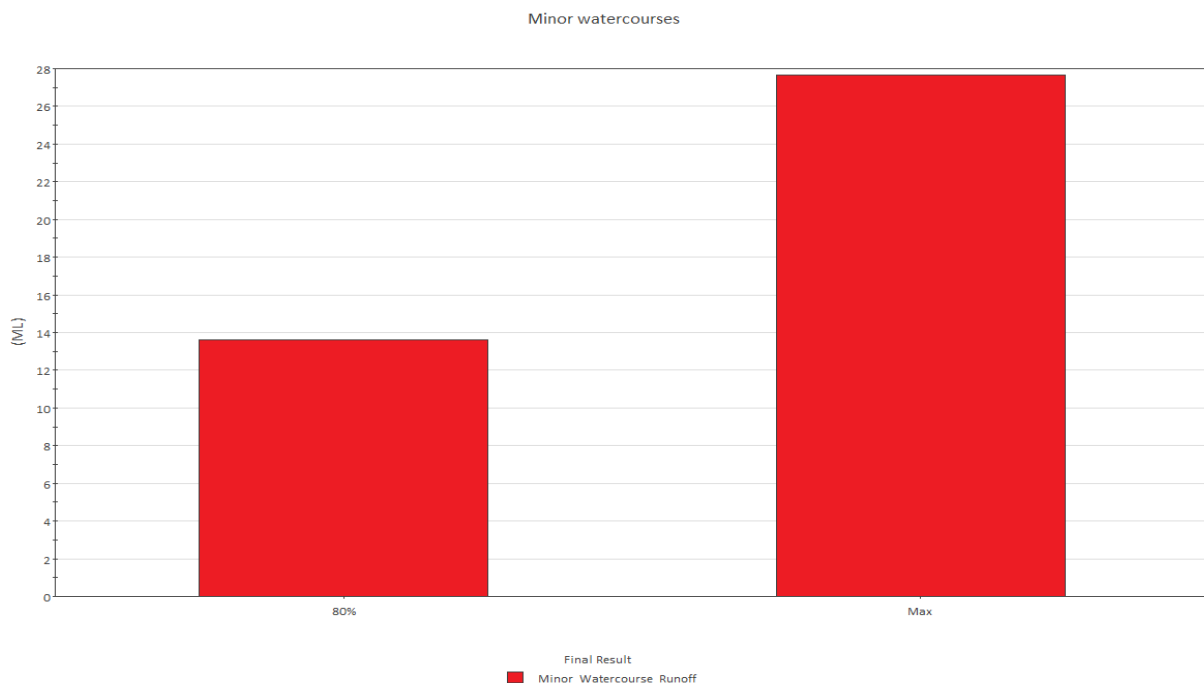
## Consultation

Initial consultation has been conducted with members of the local Aboriginal community (25 July 2023) to discuss the background to the Enforceable Undertaking and to commence the discussion on past impact of water take on Aboriginal communities and their cultural practices. Follow up meetings were held in October 2023, January 2024 & June 2024. During the June 24 meeting, a discussion took place around cultural water management on both our mine footprint and offsets. BCO has extended an offer to the broader Aboriginal community to visit site for further discussions and to observe landscape flows.

The next ASCF is planned for Q1 2025.

A copy of this report will be disseminated to the Registered Aboriginal Parties (RAPs)

Consultation also took place at the August 2024 CCC meeting. No issues were raised.



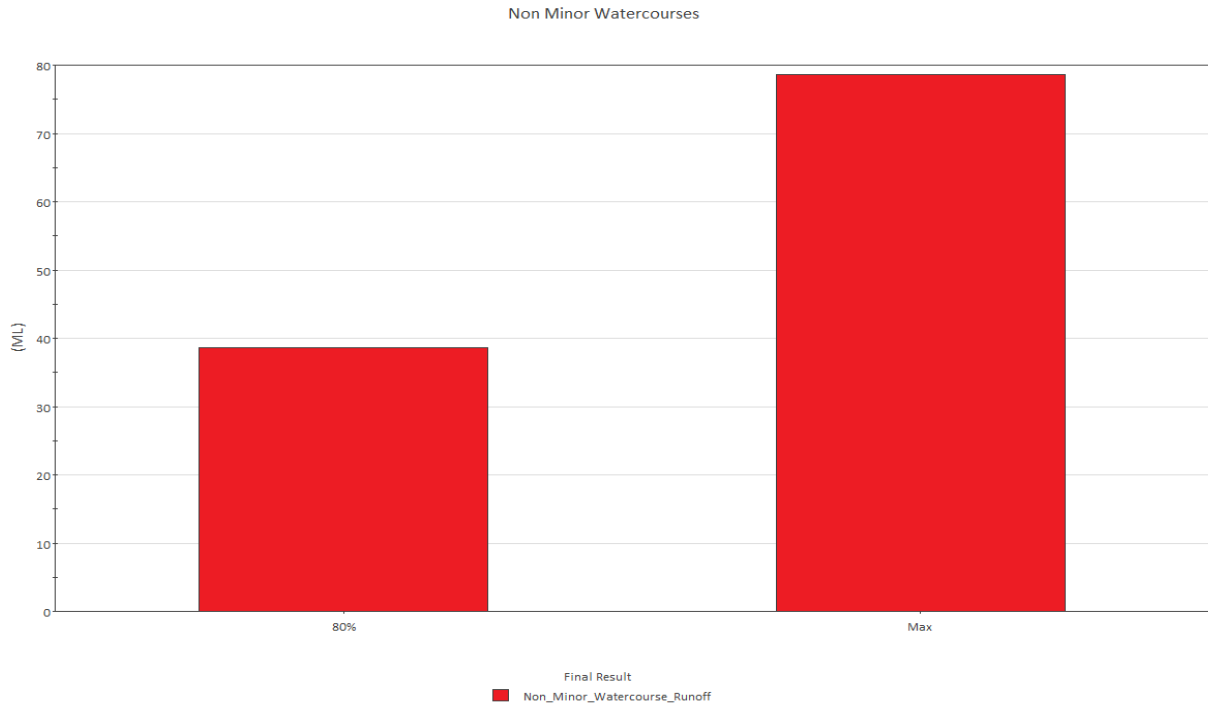


Figure 2: Predicted licensable water take for Oct-Dec 2024.

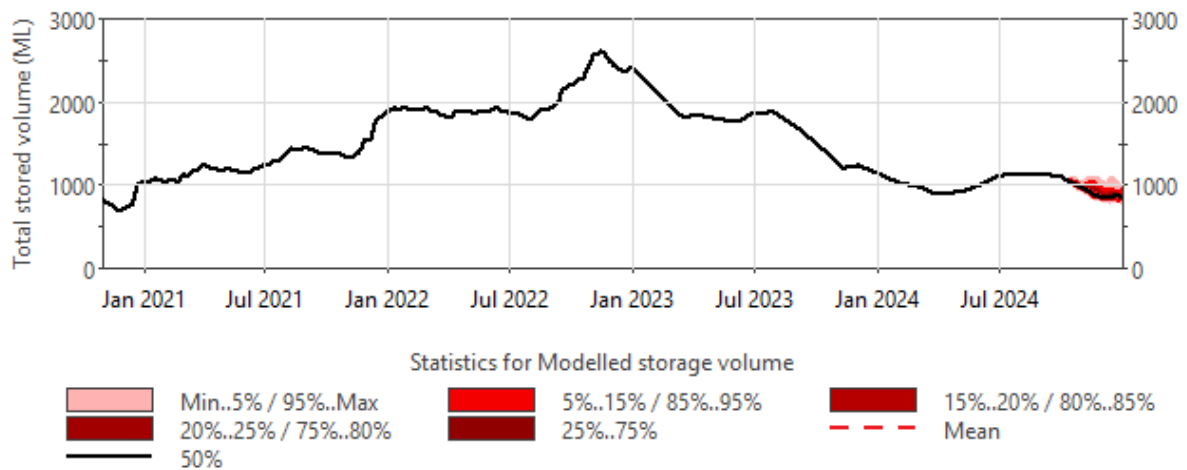


Figure 3: Predicted Site storage Volumes Oct-Dec 2024.