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NRAR Quarterly Report 11: Q1 2026

10/04/2026

To: Jordan Aitken
Natural Resources Access Regulator (NRAR)

Enforceable Undertaking Commitments

Contents

Water Balance Model (WBM)

The Goldsim Water Balance Model (WBM) has been implemented and reported internally each month which is assisting in guiding a wholistic approach to water management, across the site.

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

The WBM was updated in March 2026 to include modelling of a new mine water dam (MW11) to replace MW5. In accordance with Appendix 1 of the Enforceable Undertaking (EU), BCOPL will notify NRAR of major changes in future quarterly reports.

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.

There has been further changes at Boggabri Coal Mine to the Water Management System (WMS) to what is described in Appendix 1 of the EU. In addition to the decommissioning of SD23 dam mentioned in previous quarterly reports, MW5 dam was decommissioned in January 2026. The water from MW5 was pumped to the newly commissioned MW11 dam. All fill points were installed and have water meter telemetry capability. All other dams are compliant with Appendix 1 of the EU.

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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.

As mentioned in previous quarterly reports, 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 showed a reasonable fit throughout 2024 and the start of 2025 before slightly overestimating site storages after a high rainfall event at the end of March 2025. A review of site rainfall data indicates substantial spatial variation in rainfall totals during the event, which is typical of large rainfall events of this magnitude (10–20% AEP). It is anticipated that the rainfall totals applied to the model overestimate actual site rainfall, contributing to the overestimation of runoff. The modelled storage continues to follow similar trends to the observed since July 2025, although modelled storage is still higher than the observed, due to the overestimation of rainfall in March 2025. While the rainfall gauge used in the water balance model may not reflect site-wide conditions, it was used to ensure consistency with the existing modelling methodology.

Figure 1: Water Model Run as of 31 March 2026.

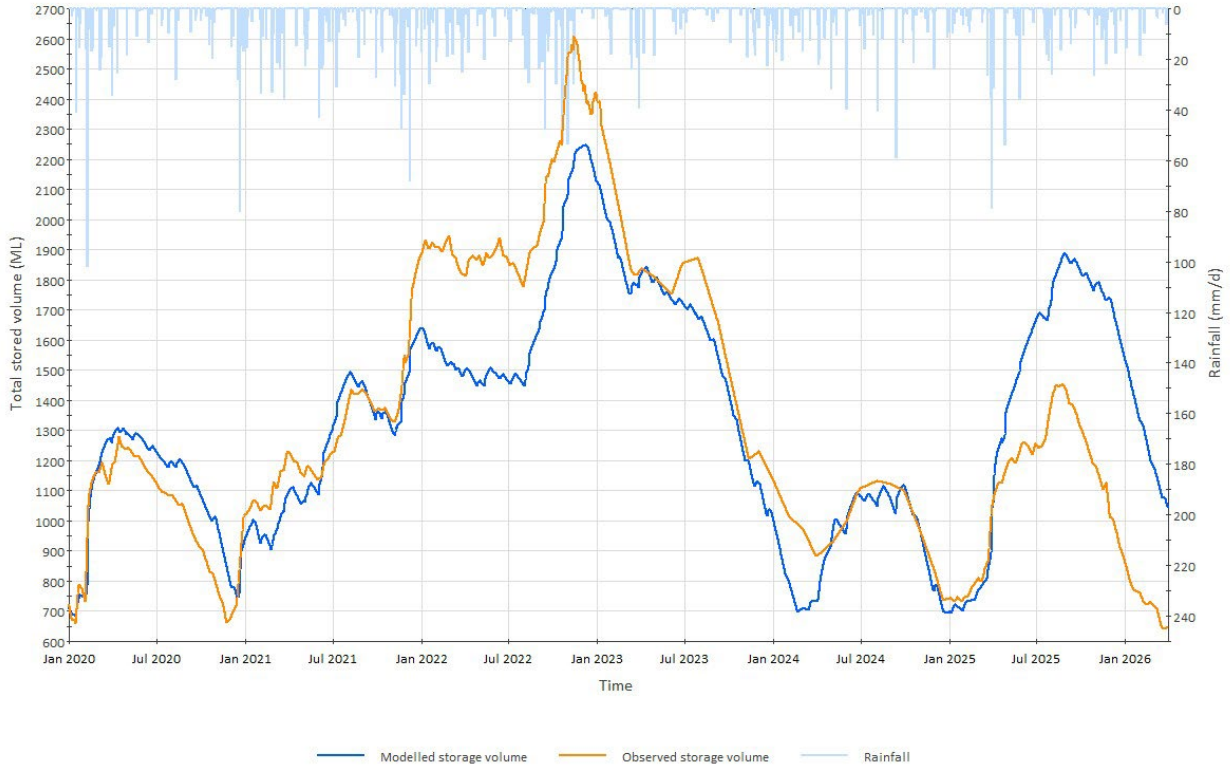

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Table 1: Rainfall during reporting period

Month	**Rainfall (mm)**
January 2026	49
February 2026	12.6
March 2026	14.8

Table 2: Estimated & Actual volume of runoff intercepted from soil stockpile dam undisturbed catchment Jan-Mar 2026

	Estimated runoff Volumes into Soil Stockpile dam from undisturbed catchment	Metered pump volumes Actual Interception (Soil Stockpile dam)
Volume (ML)	0.005	0

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

Table 3: Total Licensable take for Jan-Mar 2026

	Runoff from Third order and higher watercourses	Runoff from minor watercourses	Runoff from minor watercourses in excess of landholdings' harvestable rights
Volume (ML)	0.02	0.01	0

Table 4: Total Licensable take for the 2025/26 Water Year

	Runoff from Third order and higher watercourses	Runoff from minor watercourses	Runoff from minor watercourses in excess of landholdings' harvestable rights
Volume (ML)	65.73	23.12	0

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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:

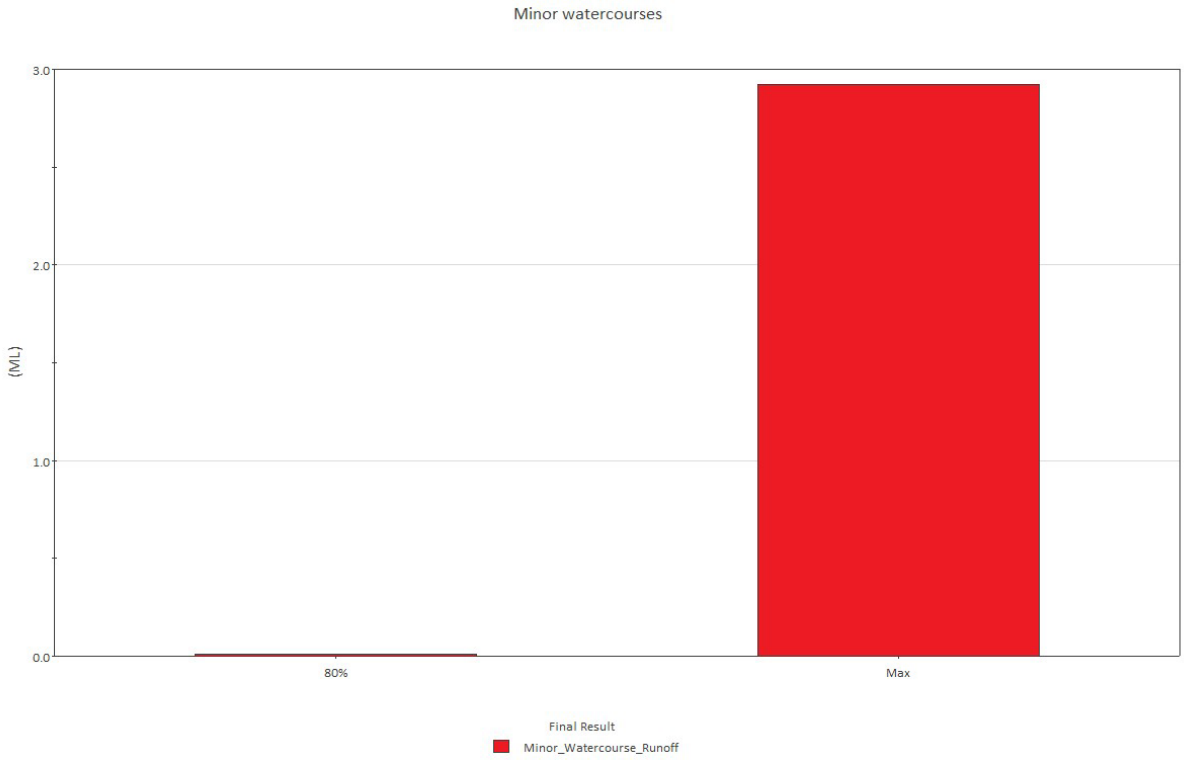
Three-month BOM Climate Outlook April - June 2026: Very Dry

Table 5: Predicted water take April – June 2026

	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)	0.02805	0.009864	0	0.02805

Total allocation held for 2025/26 Water Year: 586ML.

Figure 2: Predicted licensable water take for April - June 2026.



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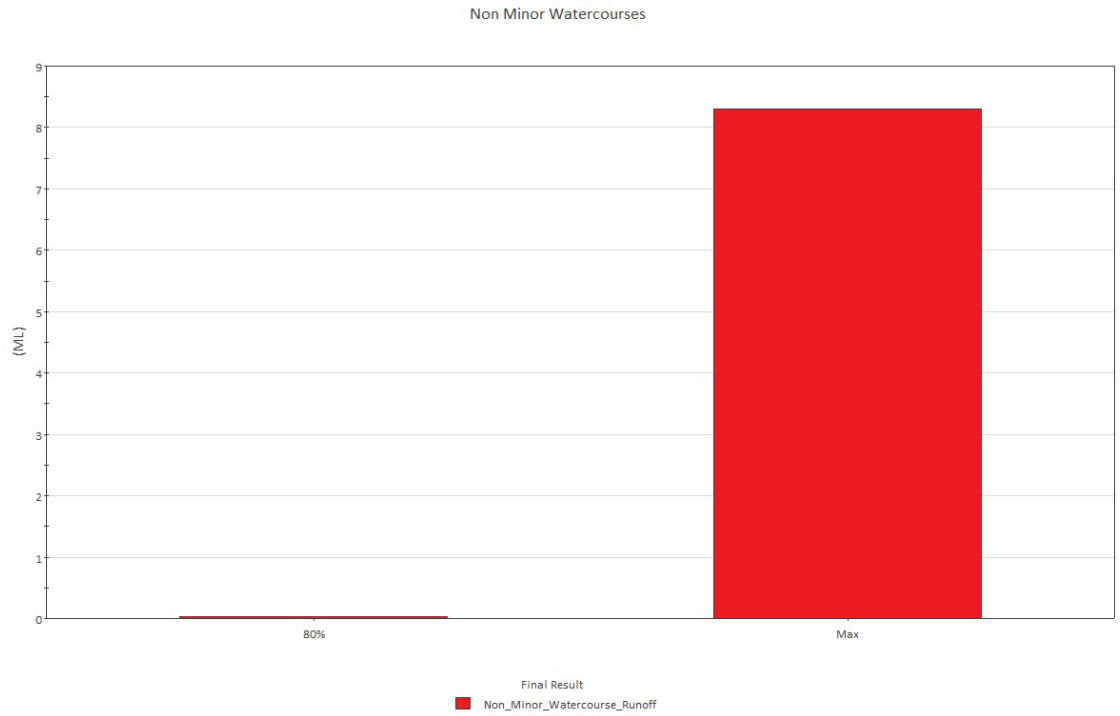
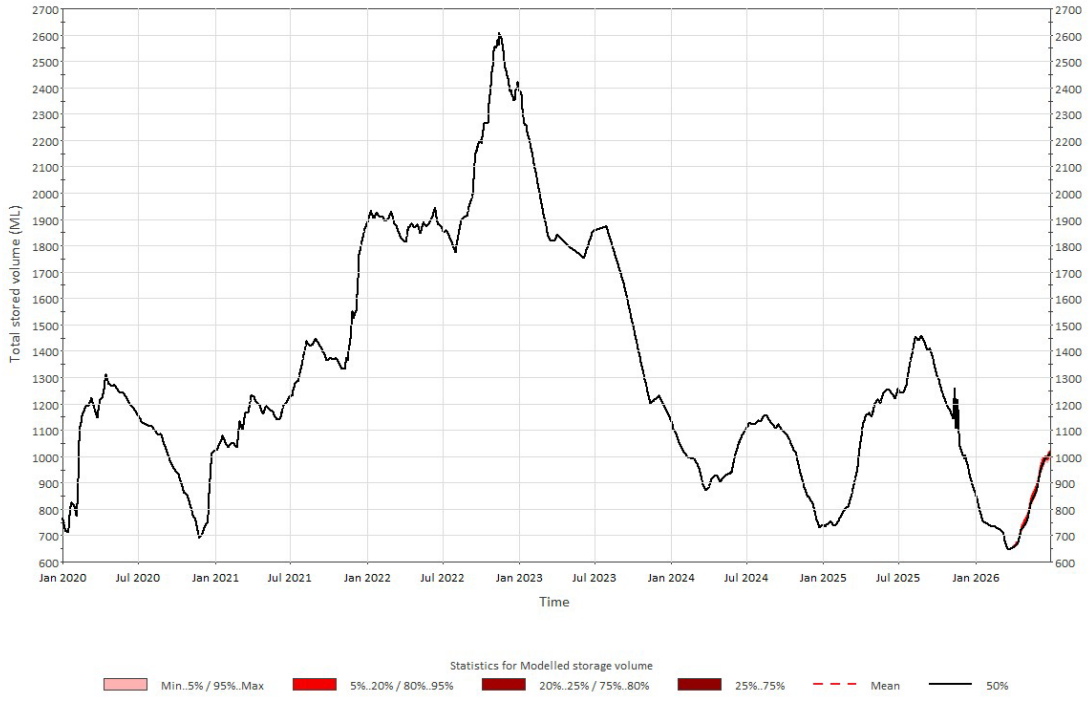


Figure 3: Predicted Site storage Volumes April – June 2026.



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Industry learnings

- The installation of real-time metering has allowed BCOPL 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 and river pumping infrastructure and implement water saving initiatives on site.

Surface Water Management Plan (SWMP)

BCOPL's SWMP (Rev 10.2, November 2025) was approved by DPHI on the 19th November 2025. A copy of the updated plan can be found on the Boggabri Coal website https://idemitsu.com.au/mining/operations/boggabri-coal/approvals-plans-reports/.

The approved SWMP includes relevant information from the Enforceable Undertaking including licencing, metering, telemetry and monitoring requirements, along with amendments to reflect the conditions and requirements from BCOPL's Project Approval – Modification 8.

Consultation

The Final Consultation Report was provided to NRAR on the June 26, 2025, and detailed all EU consultation that had taken place with the local Aboriginal community.

BCOPL will continue to consult with community members, RAP's and members of the local Aboriginal community at ASCF & CCC meetings about the water management system at BCOPL.