



Pumping from the Macleay River



Water from the Macleay River would be used during construction and for the initial fill of the Lower Reservoir.

As the project is a 'closed loop' or 'off river' initiative, this fill would be a one-off event.



During operation, subsequent top-ups from the Macleay River due to seepage or evaporation would be infrequent.



The initial fill would only occur under strict environmental conditions, when high flows are experienced in the river and take approximately **6 to 9 months to complete**.

Water will not be taken from the first flow event following dry conditions to allow the river to recharge.



The Oven Mountain project seeks to minimise environmental impacts around several species of aquatic fauna including Bass in the Macleay River.

Water extraction will not take place during low flow conditions to maintain fish passage and key aquatic habitat.

Protection screening would safeguard against fish and debris being drawn into the pump and would meet NSW Government guidelines.

Once the initial fill of the Lower Reservoir is complete, aside from infrequent top-ups, the day to day operation of the Oven Mountain project will have no impact on the river.

Impacts on streamflows

Based on the Macleay River's average streamflow, the water required for the initial fill of the Lower Reservoir during construction would be **less than 1% of the average annual streamflow** at the project location.

The streamflow of a river varies along its length. The initial fill will result in a maximum streamflow reduction of 12.6% at the project location, only while extraction is occurring.

Aside from top-ups, there would be no impact on the river's water volume once the project is operational. During a flood event no additional water would flow into the river, than would normally come from the catchment surrounding the project site.

1%

A deeper reservoir with smaller a surface area can experience less evaporation

OVEN MOUNTAIN PUMPED HYDRO ENERGY STORAGE

6.5 Gigalitres (Lower Reservoir)
22 Hectares (full supply level)

STEUART MACINTYRE DAM

2.5 Gigalitres
29 Hectares

SYDNEY HARBOUR

500 Gigalitres
5,500 Hectares

COPETON DAM

1,280 Gigalitres
4,600 Hectares

KEEPIT DAM

425.5 Gigalitres
4,370 Hectares

CHAFFEY DAM

102 Gigalitres
600 Hectares

To find out more about the **Oven Mountain Pumped Hydro Energy Storage** project, or to sign up for our mailing list visit: www.ompshydro.com

You can also contact the team at: info@ompshydro.com or on **1800 518 194**



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