

Gunidgera Weir Raising



Background

Gunidgera Weir is located on the Namoi River about 6km west of Wee Waa in northern NSW.

The Gunidgera Weir and upstream regulator allow water flows to be stored, controlled and released from the weir pool into Namoi River and Gunidgera - Pian Creek.

The current maximum capacity of the weir is not sufficient to meet customer demand at the lower reach of the Gunidgera Pian System.

This Project will increase the height of the weir to allow more water to be released through the Gunidgera-Pian system while also limiting environmental impacts.

The maximum flow rate along Pian Creek System will increase from 1230 megalitres per day to

1650 megalitres per day

Project Benefits

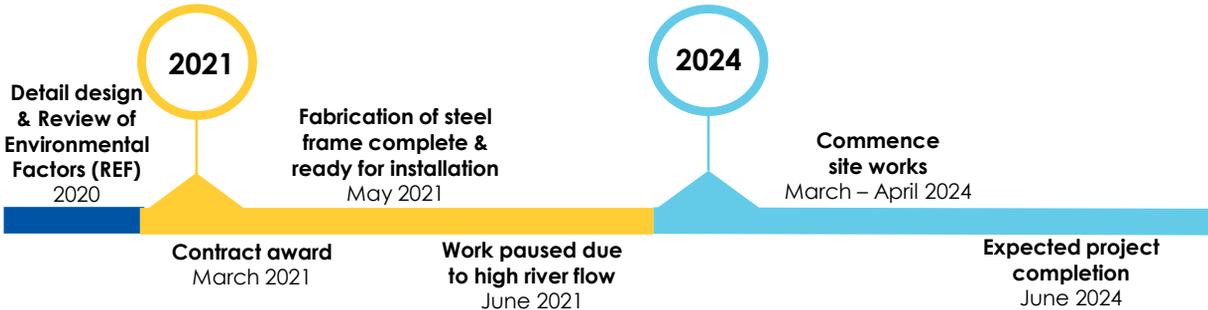
The Project will have a range of benefits that include:

- Improving water delivery to Gunidgera-Pian customers during peak demand periods
- Increasing capability for on-time delivery to customers
- Limiting environmental impacts by maintaining the existing channel width.

Project Update – May 2023

Project timeframe

The construction works at Gunidgera Weir will be scheduled after the peak irrigation season in 2024 to minimise service delivery impacts as far as possible.



Scope of work

- Raise Gunidgera Weir crest by 470 mm
- Erosion protection at Gunidgera creek regulator
- Erosion protection at Cotton Lane culvert and Gudgewa Lane culvert.

Status

- Construction contract awarded to CivilCS Pty Ltd in March 2021.
- Prefabricated steel structure completed.
- Construction work was paused in June 2021 due to the high storage level in the catchment.
- Site works will commence once river flow subsides.



Prefabricated steel structure

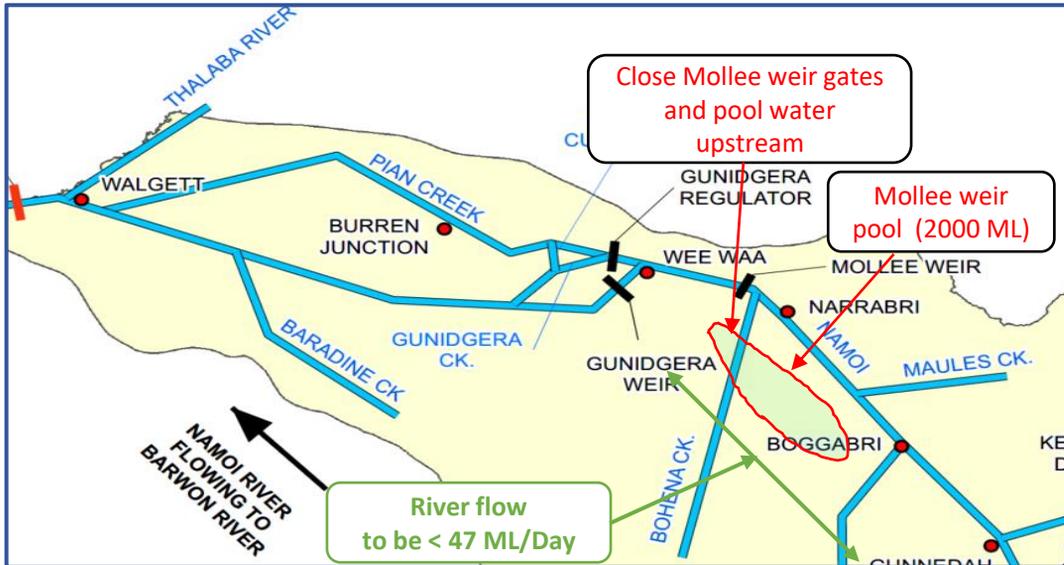
Consultation

Customers have been consulted through the Namoi Customer Advisory Group (CAG) and River Operations Stakeholder Consultation Committee (ROSSCo). The following stakeholders and government agencies have also been included in discussions:

- Natural Resources Access Regulator (NRAR)
- Department of Planning, Industry and Environment
- Department of Primary Industries – Fisheries
- Narrabri Shire Council
- Namoi Water
- Gunidgera Pian Water Users Association

We will continue to inform the community through project fact sheets and website updates.

Project Update – May 2023



Schematic Diagram Showing Gunidgera Weir and Mollee Weir pool

Construction Methodology

- Gunidgera Weir must be kept dry for a minimum of six weeks to complete the works.
- This can be achieved by closing the Mollee Weir gates located upstream of Gunidgera Weir and temporarily storing upstream river flow in the Mollee Weir pool.
- Mollee Weir pool has a capacity of 2000 ML. This will be sufficient to store 42 days of river flow provided the river flow is 47 ML/Day or less and that the pool storage is empty at the start of work.

Minimum conditions to be met to commence construction

- All three upstream dams - Chaffey Dam, Dungowan Dam and Keepit & Splitrock Dam, (considered as one storage) require a minimum of 10% airspace.
- River flow upstream of Mollee Weir to be less than 47 ML/Day.
- No water will be available for extraction downstream of Mollee Weir for the six-week construction period.

More information

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Keep in touch

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