

# Lake Macdonald Dam Upgrade

## Noosa Water Treatment Plant Bridge

November 2020

NEW VEHICLE BRIDGE  
TO BE CONSTRUCTED

### Lake Macdonald Dam Upgrade

Lake Macdonald Dam (Six Mile Creek Dam) is scheduled to be upgraded as part of our Dam Improvement Program. It will be the first major upgrade for the dam since the wall was raised in 1980.

Like all major infrastructure, dams are regularly assessed and upgraded to comply with modern engineering guidelines and national standards.

The safety upgrade will involve; temporarily lowering the water level, catching and relocating aquatic fauna, removing the existing dam and spillway structure, rebuilding a new dam and spillway in the same location. The new spillway will be wider and will feature a combined ogee and labyrinth configuration.

Seqwater are currently undertaking a range of early work activities for the Lake Macdonald Dam Upgrade.

The early work involves constructing a new bridge downstream of the existing structure, relocating services and undertaking a safety upgrade of the road entrance to the Water Treatment Plant.

### Noosa Water Treatment Plant Bridge

The existing access bridge to the Noosa Water Treatment Plant is nearing the end of its lifespan and needs replacing. Work to replace the existing bridge has been brought forward to ensure that a new bridge is in position ahead of the main construction work on the Lake Macdonald Dam Upgrade.

The intersection and bridge at the junction of Lake Macdonald Drive and the Noosa Water Treatment Plant access road will be the main entry and exit for the Lake Macdonald Dam Upgrade construction work.

The new bridge will be built downstream of the existing structure, and it will cater for future operational requirements and construction activities.

This will have the benefit of providing safe passage to haul trucks and heavy equipment as well as ongoing access to the Water Treatment Plant and its operations staff.

### Timing

The construction of the new bridge and improvements to the access road are expected to take up to six months, subject to ground conditions, weather and other unforeseen circumstances.

Work will involve the establishment of site fencing and offices, and the removal of vegetation in the area where the new bridge is to be constructed.

The area has been environmentally surveyed and vegetation removed will be re-established locally.

On completion of the Lake Macdonald Dam Upgrade Project, in late - 2023, the old Noosa Water Treatment Plant bridge will be decommissioned and removed.

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**Image:** The existing Noosa Water Treatment Plant access bridge

### What to expect during construction

- Working hours are between 6.30am and 6.30pm, Monday to Saturday.
- Equipment will include, but is not limited to, excavators, piling rigs, utility vehicles, concrete trucks and light vehicles.
- There may be an increase in noise and traffic during this period and we will minimise disruptions where possible.
- There may be some local telecommunication or water service outages related to this work, notification to impacted residents will be provided by the relevant service provider.
- Lake Macdonald Drive will remain open with traffic control in place as required. The work areas will be fenced off and alternate access to the recreation trails will be provided.
- The contractors will adhere to COVID – 19 work safety practices.

### Recreation

Seqwater are currently working with Noosa Shire Council to ensure the trails can remain open, however access points may change.

### Living near our dams

Lake Macdonald Dam is an urban area, so it's important neighbours and people downstream know what to do in the unlikely event of an emergency. The dam has an Emergency Action Plan in place to enable us to respond in partnership with emergency services and local council.

Emergency services have a range of ways to warn the community about severe weather and other emergencies that require preparation and action at the household level. For help with preparing an emergency kit and evacuation plan, visit [getready.qld.gov.au](https://getready.qld.gov.au) and [seqwater.com.au/dam-release-notification-service](https://seqwater.com.au/dam-release-notification-service)

### Keeping you informed

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