

Seqwater Dam Improvement Program

Ewen Maddock Dam

Overview

November 19

Ewen Maddock Dam is one of a number of dams in South East Queensland scheduled to be upgraded as part of Seqwater's ongoing Dam Improvement Program. The upgrade will strengthen the existing embankment, raise the dam wall to increase its floodwater capacity and make sure it continues operating safely well into the future.

Timing

The upgrade work was initially set to begin in 2019, however it will now be delivered in two stages with the lake lowering and embankment work to take place in 2020 after the wet season. This will be followed by work on the spillway in 2021. Work is expected to take approximately 18 months from commencement, subject to weather conditions and other unexpected delays.

Currently, the water level within the lake is at about 85 per cent of the Full Supply Level. During the upgrade we will need to lower the water level of the lake to about 60 per cent of the Full Supply Level. Lowering water levels is an industry accepted practice to manage dam safety and bank stability during upgrades. Seqwater will be maximising production from the Ewen Maddock Water Treatment Plant over summer and ahead of any lowering, as well as making its required environmental releases. The lake will return to the current Full Supply Level following completion of the embankment work and adequate rainfall.

The new staged approach will reduce the amount of time water levels are lowered and also minimise the duration of closure to Maddock Park.

Recreation upgrades

On-water recreation, including the designated swimming and beach area, will now remain open during the 2019 summer.

For the safety of the public, all on-water recreation, including the designated swimming area and the recreational use of Maddock Park, will be closed for the first stage of the upgrade in 2020. Seqwater has implemented alternate access points to keep the multi-use trails around the lake open during the upgrade. Seqwater has also recently built a new horse float unloading area to ensure continued access for horse riders during the upgrade.

As part of the dam safety requirement, we are required to build a parapet wall extending into Maddock Park from the dam wall which will alter the layout of the park. Seqwater has been collaborating with the dam design engineers to reduce the

impact of this wall on the recreation area and to align the site layout with Seqwater business standards.

We have taken community feedback and concerns on board and adjusted the design to reduce impacts to the beach area and Maddock Park, where possible. Additionally, we are planning to make improvements to the existing recreational area facilities at Maddock Park, such as, refurbishing the majority of existing shelters and seating structures, installing a new vessel wash down facility, improving the existing non-motorised launch vessel area and installing additional BBQ's.

Seqwater and our community



Free coffee and community information event

Construction work is set to commence in 2020. Drop in to speak with our team and learn more about the upcoming Ewen Maddock Dam Upgrade and recreation changes.

Ornamental Wetlands, Steve Irwin Way, Landsborough
Saturday 9 November 2019
8am-12pm

For more information, please contact us on 1300 737 928 or email communications@seqwater.com.au

Subscribe to our e-updates at seqwater.com.au/damimprovement



We have significantly invested in the Ornamental wetlands picnic area, on Steve Irwin Way to help provide an alternate recreation location during the upgrade. We have recently installed pumps for the wetlands, upgraded picnic tables, resurfaced the access and parking facilities and installed a new toilet block near to the Brew haha Café to significantly enhance this area and make the wetlands a fantastic, picnic destination.

Seqwater will be holding a community information event this **Saturday 9 November 2019** between **8am- 12pm** at the newly renovated Ornamental Wetlands on Steve Irwin Way. We will have designs for the recreation area changes available on the day. You may like to drop in to speak with the team, enjoy a **free espresso coffee** and learn more about the upgrade and recreation changes.

Did you know?

Background – Dam Improvement Program

In Queensland, dam owners are responsible for the safety of their dams under the Water Supply (Safety and Reliability) Act 2008 (the Act). The Department of Natural Resources Mines and Energy (DNRME) requires Seqwater to comply with the Queensland Dam Safety Management Guidelines under the Act. Like all dam operators across the country, we also seek to meet the national guidelines set by the Australian National Committee on Large Dams (ANCOLD). Our Dam Improvement Program considers all of these factors, so our dams can operate as they should,

now and into the future. There are some key changes since Ewen Maddock Dam was built, which impact on its compliance with the dam safety guidelines, including:

- the latest estimates of extreme rainfall
- data from flood events and updated flood modelling
- improved understanding of earthquake probabilities and loads
- significant population growth downstream
- advances in dam design and development of consistent methodologies for assessment of dam condition



Sign up for e-updates

We will be sending regular e-updates on the progress of this project to keep you informed. This is the best way to get the latest information, so if you know someone who might be interested in this project encourage them to subscribe by clicking [here](#).

Sign up for free dam release alerts

Sign up to our dam release notification service to be notified when Ewen Maddock Dam is spilling. This free service provides subscribers with notifications by email, SMS or recorded messages to telephone landlines when gated dams are releasing water or un-gated dams are spilling. [Register](#) now to get dam alerts or download the [Seqwater app](#) from the App Store or Google Play on your device.

For more information

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