

# Seqwater Dam Improvement Program

## Leslie Harrison Dam

### e-update



## Leslie Harrison Dam upgrade - June to December 2018

We are more than half way through the upgrade to Leslie Harrison Dam, and well on track to complete the project in mid-2019.

### Major work already completed

Check out the [timelapse video](#) from the construction site!

- Spillway anchoring - Sixteen anchors and 80 dowels have been installed at a depth of up to 17.5 metres. The anchors and dowels will pin the concrete spillway to the bedrock underneath to improve resilience in a major flood event.
- Weighted berm - loose, sandy (alluvial) soils were removed from behind the dam wall and replaced with 35,000 tonnes of rock. The weighted berm will act as a 'doorstop' behind the dam wall, improving resilience to major floods or earthquakes.
- Conduit and raw water pipeline - The existing conduit (tunnel under the dam) has been extended to the width of the weighting berm. The 50 year old pipeline from the dam to the Capalaba Water Treatment Plant has been replaced with new pipes.
- Electrical and communications infrastructure - all electrical and fibre optic cables have been relocated underground, improving the safety and reliability of dam control systems.
- Cofferdam - a new cofferdam on the old Tingalpa Creek prevents king tides from reaching dam infrastructure.

### What to expect in 2019

The remaining work to complete the upgrade includes:

- Sand filter buttress - the grassy slope of the dam wall and the filter layers behind it will be stripped back and replaced with a sand filter and earth buttress. This will improve the strength and resilience of the dam wall.
- Earthfill buttress - An earthfill buttress will be constructed above the rock layer of the weighted berm to add more weight to the structure. The weighted berm will act as a 'doorstop' behind the dam wall, improving resilience to major floods or earthquakes.
- Construction traffic will continue to bring materials to the site until around Easter 2019.
- Site rehabilitation - buildings and fences need to be removed, exposed areas revegetated and the temporary bridge removed to complete the project.
- Public dam tours - when the construction work is completed we will invite the community to come and see the finished product.

### Stay informed during the wet season

The wet season has begun! Stay informed and be prepared for storms, floods and other wet weather emergencies.

Seqwater provides a free [Dam Release Notification](#) service which sends notifications by email, text message, or even recorded messages to landlines. You can register to receive notifications at [this link](#).

You can also download the [Seqwater App](#) which includes dam release notifications, dam levels information, recreation, safety and lake closure updates and weather alerts..

### Contact the team



[Click here to watch a timelapse video of work so far.](#)

*The site has changed a lot since June 2018!*



*Steel anchors up to 17.5m long pin the concrete spillway to bedrock.*



*We dug down to bedrock for the weighted berm.*



*The temporary bridge kept most trucks away from Capalaba streets.*

If you have any questions about the upgrade, construction contractor Fulton Hogan's project contact details are:

Phone: 1800 405 086 (during work hours)

Email: [LeslieHarrisonDam@fultonhogan.com](mailto:LeslieHarrisonDam@fultonhogan.com)

We will keep you informed of the project's progress. If you know of anyone who would like to receive regular updates, please forward this update to them and ask them to contact the team.

For further details about the Leslie Harrison Dam Upgrade including our traffic and environmental management plans, visit [yourseqwater.com.au/leslie-harrison-dam-upgrade](http://yourseqwater.com.au/leslie-harrison-dam-upgrade)

Thank you for your patience and understanding while this essential work is carried out.



*More dam tours to come in 2019.*



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