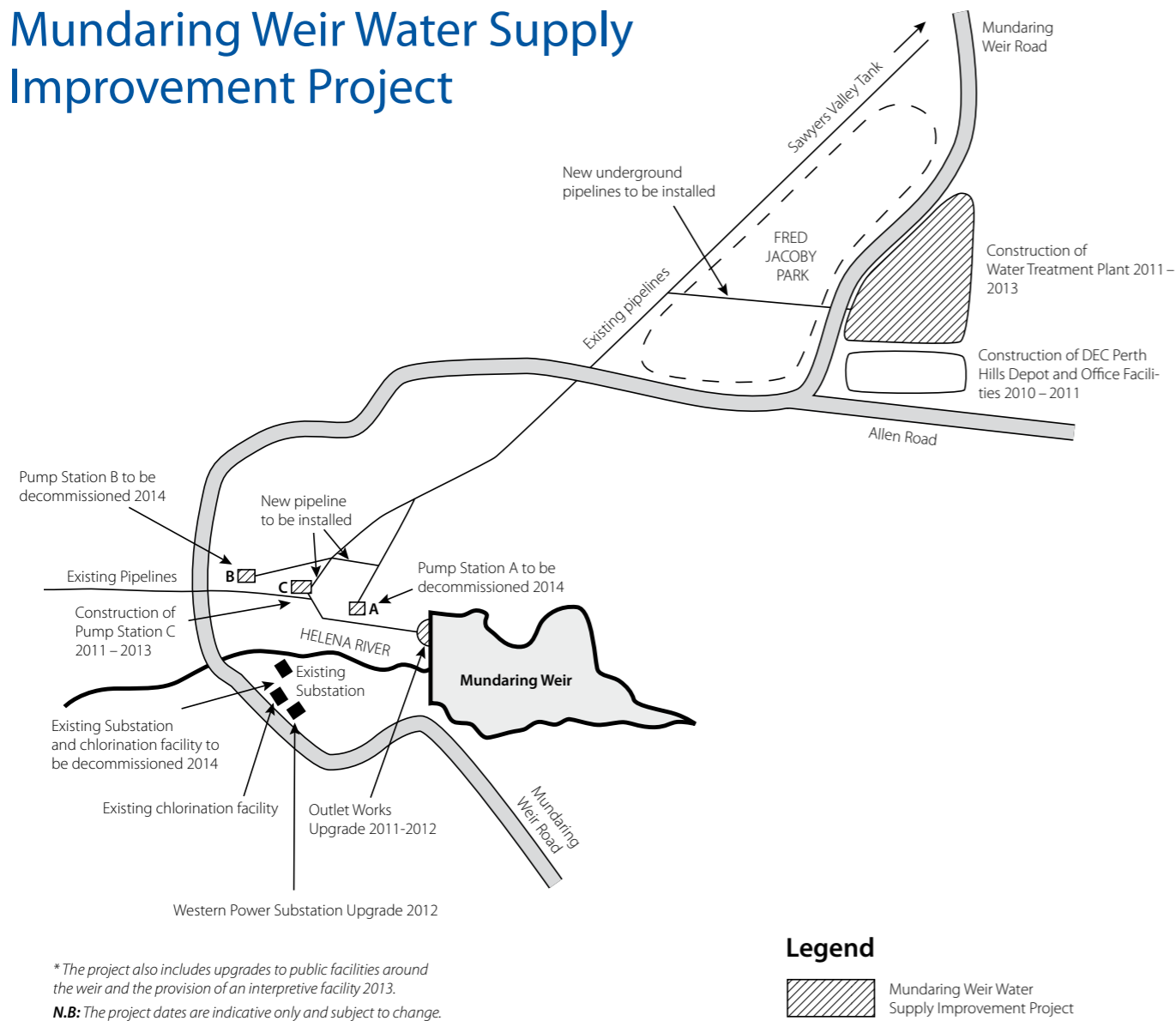


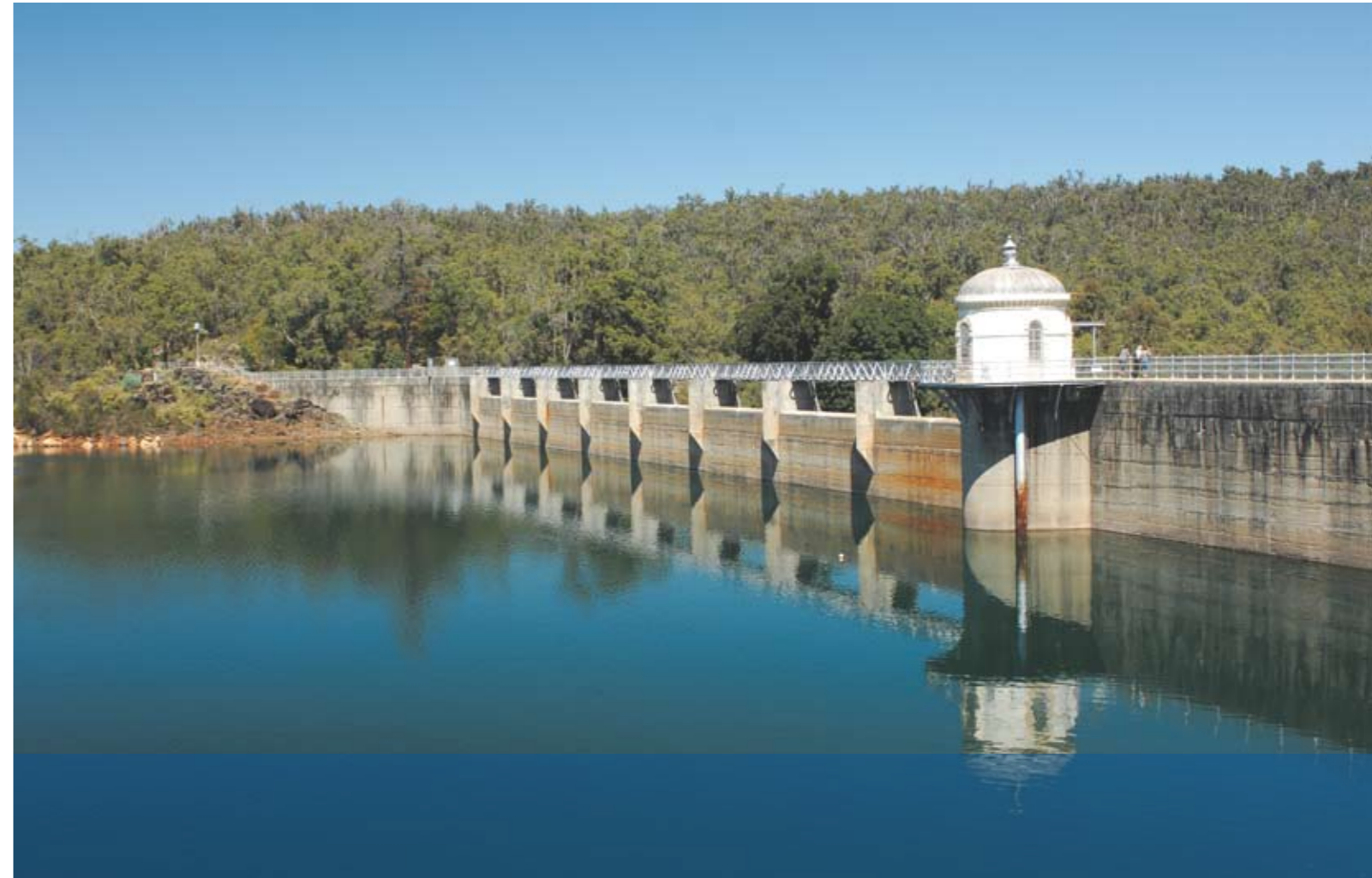
# Mundaring Weir Water Supply Improvement Project



\* The project also includes upgrades to public facilities around the weir and the provision of an interpretive facility 2013.  
**N.B:** The project dates are indicative only and subject to change.

# Mundaring Weir Water Supply Improvement Project

## extending the story of water



## For more information on the Mundaring Weir Water Supply Improvement Project:

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 08 9420 3506

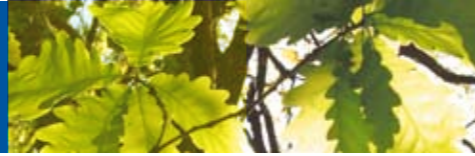
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# Mundaring Weir Water Supply Improvement Project – extending the story of water



The story of water began in Mundaring over a century ago, with the construction of Mundaring Weir and CY O'Connor's 560 kilometre Golden Pipeline to carry fresh water from Mundaring to Kalgoorlie.

In addition to being a significant historic landmark, the Mundaring Weir and associated infrastructure continue to be vital operational assets for the State, supplying water to more than 100,000 people via the Goldfields and Agricultural Water Supply Scheme (GAWS).



MUNDARING WEIR CONSTRUCTION, 1898-1903  
FOUNDATION OF WEIR WALL LOOKING EAST

As population growth continues and drinking water standards improve, it is necessary to upgrade and advance the water infrastructure supporting the GAWS to ensure that those dependent on this water source continue to receive a reliable and safe water supply.

The Mundaring Weir Water Supply Improvement Project involves the construction of several new assets at and around Mundaring Weir between 2010 and 2014; including a new water treatment plant, pump station and pipelines as well as upgrades to the Weir itself. In addition, the project brings with it improvements to the Mundaring Weir Precinct and benefits for the local community.

## Water Treatment Plant

The water treatment plant is being constructed to keep pace with improving water quality standards and to ensure reliable compliance with the Australian Drinking Water Guidelines, and will allow all water from the Mundaring Weir to be filtered prior to disinfection. Whilst disinfection facilities have existed at Mundaring Weir for many years, the filtration process has

not yet been introduced. The addition of filtration will ensure provision of better quality drinking water.

The plant will be designed to treat up to 250 megalitres of water per day (MLD), although its initial construction will be for a capacity of 160 MLD which will more than meet the current demand of up to 130 MLD.

Subject to relevant approvals, the plant will be located at the Department of Environment and Conservation (DEC) Perth Hills District Office & Depot site, situated off Mundaring Weir Road. The site selection for the plant followed an extensive 18 month community consultation process and was based on a sustainability assessment and the voting preferences of the community, as well as other economic, environmental and social criteria.

The DEC had a long term plan to replace and upgrade its Perth Hills facilities, so as part of the water treatment plant project, the Water Corporation is building new office and depot facilities on behalf of the DEC on the southern portion of the existing site.

The Water Corporation is working with the community to ensure that the water treatment plant design blends with the landscape as much as possible.

The water treatment plant is scheduled to be operational in 2013.

## Pump Station C

A new pump station is required to pump water from Mundaring Weir into the GAWS via the water treatment plant. Pump Station C will meet the new pumping requirements for the water treatment plant and will replace the aging A & B pump stations.

It will be located between the existing pump stations below the Weir and will be designed for an initial capacity of 160 MLD.

Construction of the pump station is scheduled to be completed in 2013.

## Substation

To provide sufficient power capacity for the new plant and pump station, the existing electricity substation located below the Weir needs to be replaced and upgraded by Western Power. The new substation will be located on Old Mundaring Weir Road, approximately 100 metres south east of the existing substation. It is scheduled to be completed in 2012.

## Outlet works upgrade

The outlet works upgrade will increase the capacity of the existing water off-take from Mundaring Weir. The project is currently in the scoping phase and the project requirements are being finalised.

The outlet works upgrade is scheduled to commence in late 2011.

## Precinct Improvements

As part of the project the Water Corporation is committed to making the Mundaring Weir Precinct an even better place to visit by investing in long term infrastructure and the conservation of heritage in the area.

Plans to establish an interpretation precinct to provide a link between the existing facilities, the new projects and the heritage values of the local area are underway. We are working with key stakeholders and have commissioned a Land Management Study to assist with determining the best option for the precinct.

We will also be working with the community and stakeholders to identify areas for improvement in the local area. This may range from upgrades to public amenities, footpaths, stairs and roads to improving signage, landscaping and picnic facilities.

## Other local benefits

In addition to the improvements to the Precinct, the construction phase of these projects will provide a great

boost for the local economy over a three year period through contractor and supplier opportunities and increased activity in the area.

## Working responsibly

As well as following the mandatory environmental and development approvals processes required for these projects, the Water Corporation is undertaking further environmental, social and heritage assessment work for all components of the Mundaring Weir Water Supply Improvement Project. Community input will be sought during this process to ensure that all possible impacts are considered and that management plans are put in place.

During the construction phase of the projects, the Water Corporation will liaise closely with key stakeholders to ensure all works are planned and managed well. Any disruptions to the area will be temporary.

