



## Canning oxygenation upgrade Update No. 2

October 2016



Above left A diver at work in the Canning River at Bacon Street. Above right Pipes recovered from the Bacon Street oxygenation plant site.

**Effective management of the Swan Canning Riverpark requires a diverse range of tools including the use of oxygen intervention technologies to maintain water quality. Oxygenation plants provide areas of refuge for aquatic animals and improve water quality during periods of low oxygen in the river.**

### Construction

The first stage of the Canning River oxygenation upgrades, which involved decommissioning in-river pipeworks and the Camsell Way compound, was successfully completed earlier this year. Divers removed eight distribution pipes with a combined length of more than 3.1km, two suction lines and several weights from the river, allowing access for a new distribution system to be installed. The removal of old oxygenation equipment from the compound was also completed at this time.

The second stage of the works will involve upgrading the land-based component of the oxygenation plant compound at Bacon Street. These works will involve the partial installation of an access road, modification to the gate at the entry to the site, pouring of a new concrete slab and reinstallation of the new equipment into the compound. These works started on 24 October and will be completed during December.

The third stage of the project is the installation of the in-river distribution pipe and weighting system to be connected to the equipment in the oxygenation compound. This will involve installation of a single pipe with multiple outlet points and will be weighted down with concrete ballast blocks to ensure it remains in place. These works will be conducted by divers with the use of a barge and on-board crane. The pipe installation will begin on 31 October and will possibly continue into early December. Given the nature of the work and inherent risks involved, there will be restricted access in the area where works are being undertaken.

These works will be confined to weekdays between 7am and 5pm and will comply with noise regulations. Dust generation on site will be controlled with the use of water carts, where required.

### Public access

The length of river between Kent Street Weir to just upstream of the Greenfield Street pedestrian bridge will be affected during installation of the in-river pipe and access to river users will be restricted. However, the restricted area will be minimised as appropriate to ensure as much of the river is accessible as possible.

To reduce the impact of disturbed sediment on the downstream part of the river, a silt curtain will be positioned across the river on the downstream side of the diving works and will limit the movement of watercraft beyond this point during in-river works. The silt curtain will be actively managed to allow access for river users before each weekend and when no in-river works are being conducted.

### Updates and contact details

We thank you for your patience during these works and will aim to provide regular updates to stakeholder groups on the project throughout the construction period. If any further information is required regarding the upgrade of the Bacon Street oxygenation plant, please contact river health manager Alex Hams on (08) 9278 0964 or alex.hams@dpaw.wa.gov.au.

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