



Department of  
Parks and Wildlife



SWAN CANNING  
RIVERPARK

**Environmental Monitoring and Reporting  
Canning River Estuary ~ Weekly profile**

**by  
Water Science Branch, Department of Water**

Date: Wednesday 27<sup>th</sup> April 2016

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominately south west breeze of up to 1 knot. The tide was stationary for the duration of the sampling period. Perth recorded 39.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Bacon Street and Nicholson Road oxygenation plants were operational the week prior to sampling, while Camsell Way oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout with the exception of fresh surface water at RIV and CASMID. Water was well oxygenated to oxygenated with the exception of low oxygen bottom water at SAL and RIV and near anoxic bottom water at CASMID. Water temperature ranged from 17.1 to 22.9 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and oxygenated throughout all sites. Water temperature ranged from 18.3 to 19.5 ° C.

**Definitions:**

Salinity – fresh <5ppt, brackish 5-25ppt, saline 25-35ppt, hypersaline >35ppt

Dissolved oxygen – well oxygenated >6 mg/L  
oxygenated >4 to 6 mg/L, low oxygen >2 to 4 mg/L,  
hypoxic >0.5 to 2.0 mg/L, near anoxic <0.5 mg/L

# Canning River Estuary - Physical-chemical Profile - 27th April 2016

