



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: Tuesday 19th April 2016

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and a predominately south easterly breeze of up to 3 knots. The tide was stationary for the duration of the sampling period. Perth recorded 35.8 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 with the exception of hyper saline bottom water at SCB2 and SAL, brackish surface water at RIV and fresh surface water at RIV. Water was well oxygenated to oxygenated at all sites with the exception of low oxygen bottom water at SAL and RIV and near anoxic bottom water at CASMID. Water temperature ranged from 20.0 to 23.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated at all sites. Water temperature ranged from 19.2 to 20.1 ° 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 - 19th April 2016

