



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 28th March 2017

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and south to south westerly breeze of up to 3 knots. The tide was flowing for the duration of the sampling period. Perth recorded 7.0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling, while the Bacon Street oxygenation plant was operational up to 21/3/17.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish, with the exception of saline bottom water at SCB2 and fresh surface water at CASMID. Water was well oxygenated to oxygenated on the surface, and bottom water was low in oxygen at SCB2 and SAL, oxygenated at RIV and near anoxic at CASMID. Water temperature ranged from 20.1 to 23.4 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated, with exception of low oxygen bottom water at ELL and throughout PAC and KS9. Water temperature ranged from 18.7 to 21.0 °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 - 28th March 2017

