



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 17th January 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south easterly breeze of up to 6 knots. The tide was ebbing for the duration of the sampling period. Perth recorded 0.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road and Bacon Street oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout with the exception of brackish surface water at RIV and well oxygenated to oxygenated at all sites. Water temperature ranged from 22.9 to 25.4 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout at all sites. Surface water was well oxygenated to oxygenated at all sites. Bottom water was well oxygenated to oxygenated at most sites with the exception of hypoxic bottom water at KENU300 and low oxygen bottom water at BAC and ELL. Water temperature ranged from 22.5 to 26.4 ° 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 - 17th January 2017

