



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 February 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south easterly breeze of up to 6 knots. The tide was stationary for the duration of the sampling period. Perth recorded 0 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 brackish over saline at SCB2, brackish throughout SAL and RIV, and fresh over brackish at CASMID. Water was well oxygenated to oxygenated, with the exception of near anoxic bottom water at SCB2 and CASMID. Water temperature ranged from 22.2 to 27.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites, with the exception of hypoxic bottom water at ELL and low oxygen bottom water at PAC. Water temperature ranged from 23.3 to 25.8 ° 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 February 2017

