



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 8<sup>th</sup> June 2016

Weather & tide conditions: Conditions were fine with up to 20% cloud cover and a predominately southerly breeze of up to 7.2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 30.6 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. The Bacon Street and Camsell Way oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout SCB2, brackish over saline at SAL and fresh over brackish at RIV and CASMID. Surface water was well oxygenated at all sites and bottom water was oxygenated at SCB2, hypoxic at SAL and CASMID and low in oxygen at RIV. Water temperature ranged from 9.7 to 18.4 ° 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 12.0 to 12.9 ° 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 - 8th June 2016

