



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 3<sup>rd</sup> November 2015

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and an easterly breeze of up to 2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 29.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street, Camsell Way and Nicholson Rd oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2, brackish over saline at SAL and fresh over brackish at RIV and CASMID. Water was well oxygenated and oxygenated throughout SCB2, well oxygenated and low oxygen throughout SAL, oxygenated over hypoxic at RIV and oxygenated over near anoxic at CASMID. Water temperature ranged from 20.6 to 24.9 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Surface water was well oxygenated and oxygenated at all sites. Bottom water was oxygenated at all sites, except low oxygen at KENU300 and KS7. Water temperature ranged from 19.5 to 23.5 °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 - 3rd November 2015

