



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 16<sup>th</sup> May 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a south easterly breeze of up to 1 knot. The tide was flooding during the sampling period and water was flowing downstream over the Kent St weir boards. Perth recorded 10.6 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 at SCB2 and SAL, brackish over saline at RIV and fresh over saline at CASMID. Water was well oxygenated to oxygenated throughout SCB2 and SAL, oxygenated on the surface over low oxygen bottom water at RIV and well oxygenated on the surface over low oxygen to hypoxic bottom water at CASMID. Water temperature ranged from 16.9 to 19.9 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh over brackish from KEN to KS7 and fresh from MASD50 to ELL. Water was well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at KEN. Water temperature ranged from 16.6 to 19.8 ° 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 - 16th May 2017

