



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 8th March 2017

Weather & tide conditions: Conditions were fine with up to 5% cloud cover and a south easterly breeze of up to 8 knots. The tide was flooding during the sampling period and water was flowing over the Kent St weir boards. Perth recorded 2.4 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 brackish over saline at SCB2, brackish throughout SAL and fresh over brackish at RIV and CASMID. Water was well oxygenated to oxygenated on the surface over near anoxic bottom water at SCB2, SAL and CASMID. Water was oxygenated throughout RIV. Water temperature ranged from 22.9 to 28.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout most sites, with the exception of low oxygen surface water at ELL and hypoxic bottom water at ELL, PAC and KS7. Water temperature ranged from 24.7 to 27.2 ° 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 March 2017

