



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 21st July 2015

Weather & tide conditions: Conditions were fine with up to 15% cloud cover and a south westerly breeze of up to 3 knots. The tide was flowing for the duration of the sampling period, and water was flowing over the Kent St Weir boards. Perth recorded 43.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout at SCB2, brackish over saline at SAL, fresh over saline at RIV, and fresh throughout at CASMID. Water was well oxygenated throughout at all sampled sites, with the exception of bottom water which was oxygenated at SAL and RIV. Water temperature ranged from 13.2 to 15.9 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout at all sites. Water temperature ranged from 13.9 to 14.6 °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 - 21st July 2015

