



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 11<sup>th</sup> August 2015

Canning Estuary run: SCB2 (08:08) upstream to SAL (08:39) on the Trailcraft. Crew of

Weather & tide conditions: Conditions were overcast with up to 90% cloud cover and a south easterly breeze of up to 3 knots. The tide was flowing for the duration of the sampling period. Perth recorded 27.8 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 brackish over saline at SCB2 and SAL, fresh over brackish at RIV and fresh throughout CASMID. Water was well oxygenated over oxygenated at all sites except for CASMID which was oxygenated throughout. Water temperature ranged from 12.7 to 16.2 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 13.0 to 14.0 °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 - 11th August 2015

