



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 18<sup>th</sup> October 2016

Weather & tide conditions: Conditions were fine with up to 2% cloud cover and an easterly breeze of up to 10 knots. The tide was ebbing for the majority of the sampling period. Perth recorded 6.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road oxygenation plant was operational the week prior to sampling, while Bacon Street oxygenation plant was not operational. Camsell Way oxygenation plant has been decommissioned and will no longer be operating.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish throughout at SCB2 and SAL with well oxygenated surface water over low oxygen bottom water (SCB2) and oxygenated bottom water (SAL). RIV was well oxygenated and fresh throughout. Water temperature ranged from 16.5 to 19.2 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout. Water temperature ranged from 14.5 to 16.8 °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 - 18th October 2016

