



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 1<sup>st</sup> November 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and an easterly breeze of up to 5 knots. The tide was flowing for the duration of the sampling period. Perth recorded 4.4 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.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish throughout SAL, brackish over saline at SCB2 and fresh throughout RIV. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 19.0 to 20.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated from ELL to BACU300 and at BACD300, BACD500 and KEN, well oxygenated over near anoxic at BAC and well oxygenated over hypoxic at KENU300. Water temperature ranged from 16.4 to 19.7 °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 - 1st November 2016

