



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 22<sup>nd</sup> March 2016

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and a predominately south to south easterly breeze of up to 6 knots. The tide was stationary for the duration of the sampling period. Perth recorded 1.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Bacon Street and Nicholson Road oxygenation plants were operational the week prior to sampling, while Camsell Way oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hyper saline throughout all sites. Water at SCB2 and SAL was oxygenated while there was low oxygen water at RIV. Water temperature ranged from 23.9 to 24.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout all sites, with the exception of low oxygen bottom water at PAC and NIC, hypoxic bottom water at ELL and KEN and near anoxic bottom water at KENU300. Water temperature ranged from 22.5 to 24.8 ° 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 - 22nd March 2016

