



Department of **Biodiversity,  
Conservation and Attractions**



**SWAN CANNING  
RIVERPARK**

## Environmental Monitoring and Reporting Canning River Estuary ~ Weekly profile

by

**Water Science Branch, Department of Water and Environmental Regulation**

Date: Wednesday 3<sup>rd</sup> January 2018

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south to south easterly breeze of up to 2 knots. The tide was flowing during the sampling period. Gosnells recorded 0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2 and SAL and brackish at RIV and CASMID. Water was well oxygenated to oxygenated throughout with the exception of low oxygen bottom water at RIV. Water temperature ranged from 25.3 to 31.1 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was mostly well oxygenated to oxygenated throughout all sites, with the exception of near anoxic bottom water at ELL and low oxygen bottom water at PAC, MASD50 and BACD300. Water temperature ranged from 22.9 to 28.5 ° 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 - 3rd January 2018

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