



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 4<sup>th</sup> April 2017

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominantly south easterly breeze of up to 8 knots. The tide was flowing for the duration of the sampling period. Perth 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 on the surface of all sites, and bottom water was hypoxic at SCB2, low in oxygen at SAL and CASMID and oxygenated at RIV. Water temperature ranged from 19.5 to 23.1 ° 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 low oxygen bottom water at ELL, PAC, KS7 and BAC. Water temperature ranged from 18.7 to 21.3 ° 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 - 4th April 2017

