



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 9<sup>th</sup> February 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and a predominately north to north easterly breeze of up to 4 knots. The tide was stationary 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: Bacon Street, Camsell Way and Nicholson Road oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout with the exception of hyper saline water at SCB2 and hyper saline bottom water at SAL. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 26.0 to 31.6 ° 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 hypoxic bottom water at KENU300, BACU300, KS7, MASD50, NIC, near anoxic bottom water at ELL and at NICD200 and low oxygen bottom water at KEN, PAC and KS9. Water temperature ranged from 21.6 to 28.0 ° 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 - 9th February 2016

