



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: Wednesday 9<sup>th</sup> March 2016

Weather & tide conditions: Conditions were fine with up to 1% cloud cover and a predominately north to north easterly breeze of up to 6 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 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 and oxygenated throughout all sites. Water temperature ranged from 24.5 to 26.9 ° 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 near anoxic bottom water at KENU300, hypoxic bottom water at KS7 and at ELL, low oxygen bottom water at KEN, BACD300, BACU300 to GRE, MASD50 and KS9. Water temperature ranged from 23.3 to 29.7 ° 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 - 9th March 2016

