



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 24<sup>th</sup> May 2016

Weather & tide conditions: Conditions were fine with up to 100% cloud cover and a predominately south westerly breeze of up to 4 knots. The tide was stationary for the duration of the sampling period. Perth recorded 75.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road oxygenation plant was operational up to 21/5/16 in the week prior to sampling. Bacon Street and Camsell Way oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2, brackish over saline at SAL, fresh over saline at RIV and fresh over brackish at CASMID. Water was well-oxygenated throughout all sites with the exception of low oxygen bottom water at SAL and hypoxic bottom water at RIV and CASMID. Water temperature ranged from 15.9 to 17.9 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites with the exception of brackish bottom water at KENU300. Water was well oxygenated throughout all sites, with the exception of hypoxic bottom water at KENU300. Water temperature ranged from 16.1 to 19.0 ° 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 - 24th May 2016

