



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 6<sup>th</sup> September 2016

Weather & tide conditions: Conditions were fine with up to 40% cloud cover and a predominately north easterly breeze of up to 1 knots. The tide was stationary for the duration of the sampling period. Perth recorded 11.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road oxygenation plant was operational 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 brackish over saline at SCB2, fresh over brackish at SAL and fresh at RIV and CASMID. Water was mostly well oxygenated with the exception of near anoxic bottom water at SCB2 and hypoxic bottom water at SAL. Water temperature ranged from 14.1 to 17.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 13.4 to 15.2 °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 - 6th September 2016

