



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 30<sup>th</sup> August 2016

Weather & tide conditions: Conditions were fine with up to 90% cloud cover and a predominately north westerly breeze of up to 3 knots. The tide was flowing for the duration of the sampling period. Perth recorded 38.6 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 fresh at RIV and CASMID, fresh over brackish at SAL and brackish over saline at SCB2. Water was well oxygenated with the exception of low oxygen bottom water at SAL and hypoxic bottom water at SCB2. Water temperature ranged from 12.1 to 16.1 °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 12.0 to 13.3 °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 - 30th August 2016

