



**Environmental Monitoring and Reporting**  
**Canning River Estuary ~ Weekly profile**

by  
**Water Science Branch, Department of Water**

Date: Tuesday 23<sup>rd</sup> August 2016

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south to south easterly breeze of up to 5 knots. The tide was flowing for the duration of the sampling period. Perth recorded 30.8 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling. The 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 throughout RIV and CASMID. Water was well oxygenated throughout, with the exception of hypoxic bottom water at SCB2 and low oxygen bottom water at SAL. Water temperature ranged from 11.9 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 11.4 to 12.8 ° 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 - 23rd August 2016

