



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

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

Date: Tuesday 2<sup>nd</sup> August 2016

Weather & tide conditions: Conditions were fine with up to 2% cloud cover and a predominately easterly breeze of up to 4 knots. The tide was ebbing for the duration of the sampling period. Perth recorded 7.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Nicholson Road, 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, brackish at SAL, fresh over brackish at RIV and fresh at CASMID. Surface water was well oxygenated over low oxygen bottom water at SCB2 and SAL and there was oxygenated bottom water at RIV and CASMID. Water temperature ranged from 10.2 to 15.7 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 10.9 to 12.4 °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 - 2nd August 2016

