



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

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

Date: Tuesday 26<sup>th</sup> July 2016

Weather & tide conditions: Conditions were fine with up to 50% cloud cover and a northerly breeze of up to 1 knot. The tide was flowing for the duration of the sampling period. Perth recorded 20 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The 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 throughout SAL, fresh over brackish at RIV and fresh throughout CASMID. Surface water was well oxygenated at all sites, and bottom water was hypoxic at SCB2 and SAL, low in oxygen at RIV and well oxygenated at CASMID. Water temperature ranged from 11.3 to 15.4 ° 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 11.1 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 - 26th July 2016

