



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

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

Date: Tuesday 20<sup>th</sup> January 2015

Weather & tide conditions: Conditions were fine with 0% cloud cover and no wind. The tide was ebbing then flooding during the sampling period. Perth recorded 0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Bacon St and Camsell Way oxygenation plants were operational the week prior to sampling. Nicholson Rd oxygenation plant was operational for testing only.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout. Surface water was well oxygenated to oxygenated over bottom water which was oxygenated at SCB2 and SAL, and low in oxygen at RIV. Water temperature ranged from 26.2 to 27.4 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Surface water was well oxygenated to oxygenated at all sites. Bottom water was low in oxygen at KEN and NICD200, hypoxic at KS7, PAC and ELL, near anoxic at KEN300, then oxygenated at all other sites. Water temperature ranged from 21.3 to 27.6 °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 - 20th January 2015

