



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

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

Date: Tuesday 13<sup>th</sup> January 2015

Weather & tide conditions: Conditions were fine with up to 45% cloud cover and a south easterly breeze of up to 2 knots. The tide was flowing for the duration of 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 overnight only the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout with the exception of Brackish surface water at CASMID. Water was well oxygenated throughout SCB2 and on the surface of CASMID, oxygenated throughout SAL and on the surface of RIV and bottom water was low in oxygen at RIV and CASMID. Water temperature ranged from 23.6 to 28.2 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Water was well oxygenated and oxygenated throughout all sites, with the exception of low oxygen on the surface of ELL and at the bottom of KEN, and hypoxic water at the bottom of ELL and KS7. Water was near anoxic at the bottom of KENU300. Water temperature ranged from 21.5 to 26.3 °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 - 13th January 2015

