



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

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

Date: Tuesday 6<sup>th</sup> January 2015

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a south to south easterly breeze of up to 2 knots. The tide was ebbing for the duration of the sampling period and water was flowing over the Kent St weir boards. 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 overnight only the week prior to sampling for testing.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline throughout at SCB2 and SAL, then brackish over saline at RIV and CASMID. Water was well oxygenated on the surface over oxygenated bottom water at SAL and SCB2, oxygenated throughout at CASMID and oxygenated over low oxygen bottom water at RIV. Water temperature ranged from 25.5 to 30.8 °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 hypoxic at KENU300, KS7, PAC and ELL, low in oxygen at BACD500, BAC and NICD200 and oxygenated to well oxygenated at all other sites. Water temperature ranged from 21.5 to 28.8 °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 - 6th January 2015

