



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

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

Date: Tuesday 10<sup>th</sup> March 2015

Weather & tide conditions: Conditions were fine with up to 2% cloud cover and an easterly breeze of up to 3 knots. The tide was flooding for the duration of the sampling period. Perth recorded 0.0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: Bacon St, Camsell Way and Nicholson Rd oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hypersaline throughout at SCB2 and SAL, and saline throughout at RIV and CASMID. Water was well oxygenated throughout at SCB2 and SAL, oxygenated over low in oxygen bottom water at RIV, and well oxygenated over low in oxygen bottom water at CASMID. Water temperature ranged from 23.9 to 28.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Surface water was well oxygenated at all sites except ELL where surface water was oxygenated. Bottom water was well oxygenated to oxygenated at all sites except for KENU300, KS7 and ELL where bottom water was hypoxic. Water temperature ranged from 23.0 to 24.8 °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 - 10th March 2015

