



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

by  
Water Science Branch, Department of Water

Date: Tuesday 30<sup>th</sup> June 2015

Weather & tide conditions: Conditions were fine with up to 98 % cloud cover and a north easterly breeze of up to 5 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: The Bacon Street, Camsell Way & Nicholson Road oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was mostly well oxygenated throughout with the exception of low oxygenated bottom water at SAL and RIV and hypoxic bottom water at CASMID. Surface water was saline at SCB2, brackish at SAL and RIV and fresh at CASMID. Bottom water was saline throughout. Water temperature ranged from 12.9 to 18.1 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and mostly well oxygenated throughout with the exception of oxygenated bottom water at KENU300, BAC and GRE, and low oxygenated bottom water at KS7. Water temperature ranged from 12.7 to 13.8 °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 - 30th June 2015

