



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

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

Date: Tuesday 16<sup>th</sup> June 2015

Weather & tide conditions: Conditions were overcast with up to 60% cloud cover and an easterly to north easterly breeze of up to 9 knots. The tide was flooding and water was flowing downstream over the Kent Street weir boards. Perth recorded 0.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street, Camsell Way and Nicholson Road oxygenation plants were operational 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 oxygenated to well oxygenated at all sites, with the exception of bottom water which was low in oxygen at RIV and hypoxic at CASMID. Water temperature ranged from 14.4 to 18.1 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh over brackish at KEN and KENU300, then fresh throughout from BACD500 to ELL. Water was oxygenated to well oxygenated at all sites, except for bottom water which was low in oxygen from KS7 to NICD200, and near anoxic at KEN and KENU300. Water temperature ranged from 13.7 to 17.6 °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 - 16th June 2015

