



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 8<sup>th</sup> August 2017

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a north to north easterly breeze of up to 4 knots. The tide was flowing during the sampling period. Perth recorded 4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was not operational from 04/08/17 and the Bacon Street was not operational for the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, fresh over brackish at SAL and RIV and fresh throughout CASMID. Water was well oxygenated on the surface at all sites, and bottom water was low in oxygen at SCB2 and SAL, hypoxic at RIV and well oxygenated at CASMID. Water temperature ranged from 14.0 to 16.1 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 14.3 to 14.8 °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 - 8th August 2017

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