



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 7<sup>th</sup> August 2018

Weather & tide conditions: Conditions were fine with up to 95% cloud cover and a predominantly north-westerly breeze of up to 3 knots. The tide was ebbing during the sampling period. Gosnells<sup>1</sup> recorded 74.5 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road and Bacon Street oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was fresh over brackish at SCB2 and SAL and fresh at RIV and CASMID. Water was well oxygenated to oxygenated with the exception of bottom waters low in oxygen at SAL and hypoxic at SCB2. Water temperature ranged from 13.6 to 16.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water well oxygenated throughout all sites. Water temperature ranged from 13.9 to 14.1 ° 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

<sup>1</sup> Rainfall data missing from the Gosnells City station was substituted with rainfall data from the Perth Metro station.

# Canning River Estuary - Physical-Chemical Profiles - 7<sup>th</sup> August 2018

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