



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

by  
Aquatic Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 10<sup>th</sup> July 2018

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south-easterly breeze of up to 4 knots. The tide was flowing during the sampling period. Perth<sup>1</sup> recorded 46.2 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2 and SAL, fresh over brackish at RIV and fresh CASMID. Water was well oxygenated to oxygenated throughout, with the exception of hypoxic bottom water at SAL. Water temperature ranged from 11.2 to 16.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated throughout all sites. Water temperature ranged from 12.8 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

<sup>1</sup>Perth rainfall data was used due to the absence of data from the Gosnells City station.

# Canning River Estuary - Physical-Chemical Profile - 10<sup>th</sup> July 2018

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