



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

by  
Water Science Branch, Department of Water and Environmental Regulation

Date: Tuesday 19<sup>th</sup> June 2018

Weather & tide conditions: Conditions were cloudy with up to 90% cloud cover, occasional rainfall and a north to north-westerly breeze of up to 3 knots. The tide was flowing during the sampling period. Perth<sup>1</sup> recorded 17 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2, brackish over saline at SAL, and fresh over brackish at RIV and CASMID. Water was well oxygenated to oxygenated throughout with the exception of bottom waters low in oxygen at RIV and hypoxic at CASMID. Water temperature ranged from 13.5 to 17.0 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites. Water was well oxygenated to oxygenated throughout all sites. Water temperature ranged from 13.5 to 14.7 ° 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 - 19th June 2018

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