



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

by  
Water Science Branch, Department of Water

Date: Tuesday 4<sup>th</sup> July 2017

Weather & tide conditions: Conditions were fine with up to 98% cloud cover and no breeze. The tide was stationary during the sampling period. Due to construction work at Kent St weir, observation of the flow over the weir was not possible. Perth recorded 24.4 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road oxygenation plant was operational the week prior to sampling but the Bacon Street oxygenation plant was not operational.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary brackish over saline at SCB2 and SAL, fresh over saline at RIV and fresh over brackish at CASMID. Water was well oxygenated to oxygenated, with the exception of low oxygen bottom water at SAL and near anoxic bottom water at CASMID. Water temperature ranged from 11.5 to 16.7 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites, with the exception of brackish bottom water at KENU300. Water temperature ranged from 12.0 to 14.6 ° 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 - 4th July 2017

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