



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

**by
Water Science Branch, Department of Water**

Date: Tuesday 27th October 2015

Weather & tide conditions: Conditions were fine with up to 85% cloud cover and an west to south easterly breeze of up to 4 knots. The tide was flowing for the duration of the sampling period. Perth recorded 0 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was saline at SCB2 and SAL, and brackish at RIV. Water was well oxygenated and oxygenated throughout all sites with the exception of low oxygen bottom water at RIV. Water temperature ranged from 20.3 to 23.6 °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, with the exception of low oxygen bottom water at ELL, PAC, KS7 and BAC, near anoxic bottom water at KENU300 and hypoxic bottom water at KEN. Water temperature ranged from 18.3 to 21.5 °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 - 27th October 2015

