



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

by
Water Science Branch, Department of Water

Date: Tuesday 16th August 2016

Weather & tide conditions: Conditions were fine with up to 35% cloud cover and an east to north easterly breeze of up to 6 knots. The tide was flowing for the duration of the sampling period. Perth recorded 14.8 mm of rainfall during the week prior to the morning of sampling

Oxygenation: The Bacon Street, Camsell Way and Nicholson Road oxygenation plants were not operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish throughout SAL and SCB2 and fresh throughout RIV and CASMID. Water was well oxygenated to oxygenated throughout, with the exception of hypoxic bottom water at SAL and SCB2. Water temperature ranged from 13.0 to 16.6 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated to oxygenated throughout all sites. Water temperature ranged from 12.8 to 14.3 ° 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 - 16th August 2016

