



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

by
Water Science Branch, Department of Water

Date: Tuesday 13th September 2016

Weather & tide conditions: Conditions were fine with up to 50% cloud cover and a predominately easterly breeze of up to 12 knots. The tide was ebbing for the duration of the sampling period. Perth recorded 12 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

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

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish over saline at SCB2, fresh over brackish at SAL and RIV and fresh at CASMID. Water was mostly well oxygenated to oxygenated with the exception of hypoxic bottom water at SCB2 and low oxygen bottom water at SAL. Water temperature ranged from 12.5 to 16.3 ° C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh and well oxygenated throughout all sites. Water temperature ranged from 11.9 to 13.7° 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

Canning River Estuary - Physical-chemical Profile - 13th September 2016

