



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

by
Water Science Branch, Department of Water

Date: Tuesday 19th July 2016

Weather & tide conditions: Conditions were fine with up to 60% cloud cover and a north easterly breeze of up to 2 knots. The tide was flowing for the duration of the sampling period. Perth recorded 39.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Nicholson Road, 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 fresh throughout RIV and CASMID. Water was well oxygenated on the surface at all sites, and bottom water was hypoxic at SCB2, low in oxygen at SAL and well oxygenated at RIV and CASMID. Water temperature ranged from 11.5 to 15.2 ° 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 12.0 to 13.6 ° 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 - 19th July 2016

