



Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water

Date: Wednesday 29th April 2015

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a north to north 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, Camsell Way and Nicholson Road oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was hypersaline throughout SCB2, saline throughout SAL and RIV and brackish over saline at CASMID. Water was well oxygenated to oxygenated at all sites, with the exception of low oxygen bottom water at CASMID. Water temperature ranged from 17.5 to 19.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout all sites, with the exception of brackish bottom water at KENU300. Water was well oxygenated to oxygenated at all sites, with the exception of hypoxic bottom water at KS7, near anoxic bottom water at KENU300 and low oxygen bottom water at KEN. Water temperature ranged from 16.1 to 22.1 °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 - 29 April 2015

