



Department of
Parks and Wildlife



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RIVERPARK

Environmental Monitoring and Reporting
Canning River Estuary ~ Weekly profile

by
Water Science Branch, Department of Water

Date: Tuesday 22nd December 2015

Weather & tide conditions: Conditions were fine with 0% cloud cover and a south easterly to easterly breeze of up to 6 knots. The tide was flooding and water was flowing downstream over the Kent Street weir boards for the duration of the sampling period. Perth recorded 0.0 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 well oxygenated to oxygenated. Water was saline throughout at SCB2 and SAL, then brackish at RIV. Water temperature ranged from 23.4 to 25.9 °C.

Lower Canning River (upstream of Kent St Weir): The lower Canning River was fresh throughout. Surface water was well oxygenated from KEN to MASD50, then oxygenated from NICD200 to ELL. Bottom water was low in oxygen at KEN, MASD50, NIC, and PAC, near anoxic at KENU300, hypoxic at ELL and well oxygenated to oxygenated at all other sites. Water temperature ranged from 20.4 to 27.6 °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 - 22nd December 2015

