



Department of
Parks and Wildlife



SWAN CANNING
RIVERPARK

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

**by
Water Science Branch, Department of Water**

Date: Tuesday 10th November 2015

Weather & tide conditions: Conditions were fine with up to 20% cloud cover and predominantly an east to north easterly breeze of up to 8 knots. The tide was flooding for the duration of the sampling period and water was flowing downstream over the Kent Street weir boards. Perth recorded 0.6 mm of rainfall during the week prior to the morning of sampling (Bureau of Meteorology).

Oxygenation: The Bacon Street, Camsell Way and Nicholson Rd oxygenation plants were operational the week prior to sampling.

Canning Estuary (downstream of Kent St Weir): The Canning Estuary was brackish on the surface and saline on the bottom at SCB2, brackish at SAL and fresh over brackish at RIV. Water was well oxygenated over oxygenated at SCB2 and SAL, and oxygenated over low in oxygen bottom water at RIV. Water temperature ranged from 21.8 to 24.5 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Surface water was well oxygenated to oxygenated at all sites. Bottom water was low in oxygen at KEN, PAC and ELL, hypoxic at KENU300 and well oxygenated to oxygenated at all other sites. Water temperature ranged from 19.5 to 24.4 °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 - 10th November 2015

