



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 17th November 2015

Weather & tide conditions: Conditions were fine with up to 10% cloud cover and north easterly to north westerly breeze of up to 10 knots. The tide was ebbing for the duration of the sampling period and water was flowing downstream over the Kent Street weir boards. Perth recorded 0.2 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 saline at SCB2 brackish over saline SAL, then brackish throughout at RIV and CASMID. Surface water was well oxygenated to oxygenated. Bottom water was oxygenated at SCB2, low in oxygen at SAL and RIV, then hypoxic at CASMID. Water temperature ranged from 25.0 to 30.0 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Surface water was well oxygenated except for oxygenated surface water at ELL. Bottom water was near anoxic at KEN, hypoxic at MASD50, PAC and ELL, low in oxygen BAC, NICD200 and NIC, and oxygenated to well oxygenated at all other sites. Water temperature ranged from 20.9 to 26.5 °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 - 17th November 2015

