



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

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

Date: Wednesday 4<sup>th</sup> March 2015

Weather & tide conditions: Conditions were clear with 0% cloud cover and a predominantly easterly breeze of up to 8 knots. The tide was flooding 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 saline throughout at SAL and RIV, and hypersaline throughout at SCB2. Water was oxygenated at all sampled sites. Water temperature ranged from 22.4 to 24.3 °C.

Lower Canning River (upstream of Kent St Weir): The Lower Canning River was fresh throughout. Surface water was well oxygenated from KEN to KS9, and oxygenated at PAC and ELL. Bottom water was well oxygenated from BACD500 to KS9, oxygenated at KEN and PAC, low in oxygen at ELL and hypoxic at KENU300. Water temperature ranged from 22.6 to 25.3 °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

