



Department of  
Parks and Wildlife



**SWAN CANNING  
RIVERPARK**

## Environmental Monitoring and Reporting Swan River Estuary ~ Weekly profile

by  
Water Science Branch, Department of Water

Date: Monday 10<sup>th</sup> August 2015

Weather & tide conditions: Conditions were overcast with up to 100% cloud cover and a south westerly breeze of up to 16 knots. The predicted tides at Guildford were 1.05 m (high tide) at 08:27 and 0.64 m (low tide) at 19:38. Perth recorded 24.0 mm of rainfall during the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Guildford and Caversham oxygenation plants were operational the week prior to sampling.

Lower Swan/Canning Estuary (FP7 to NAR): The Lower Swan Estuary was saline throughout, with the exception of brackish surface water at NAR. Water was well oxygenated and oxygenated at all sites. Water temperature ranged from 13.8 to 16.0 °C.

Middle Swan Estuary (NIL to RON): The Middle Swan Estuary was brackish over saline at all sites, except RON which was brackish throughout. Water was well oxygenated on the surface over low oxygen bottom water at all sites, except for RON which had hypoxic bottom water. Water temperature ranged from 13.0 to 16.1 °C.

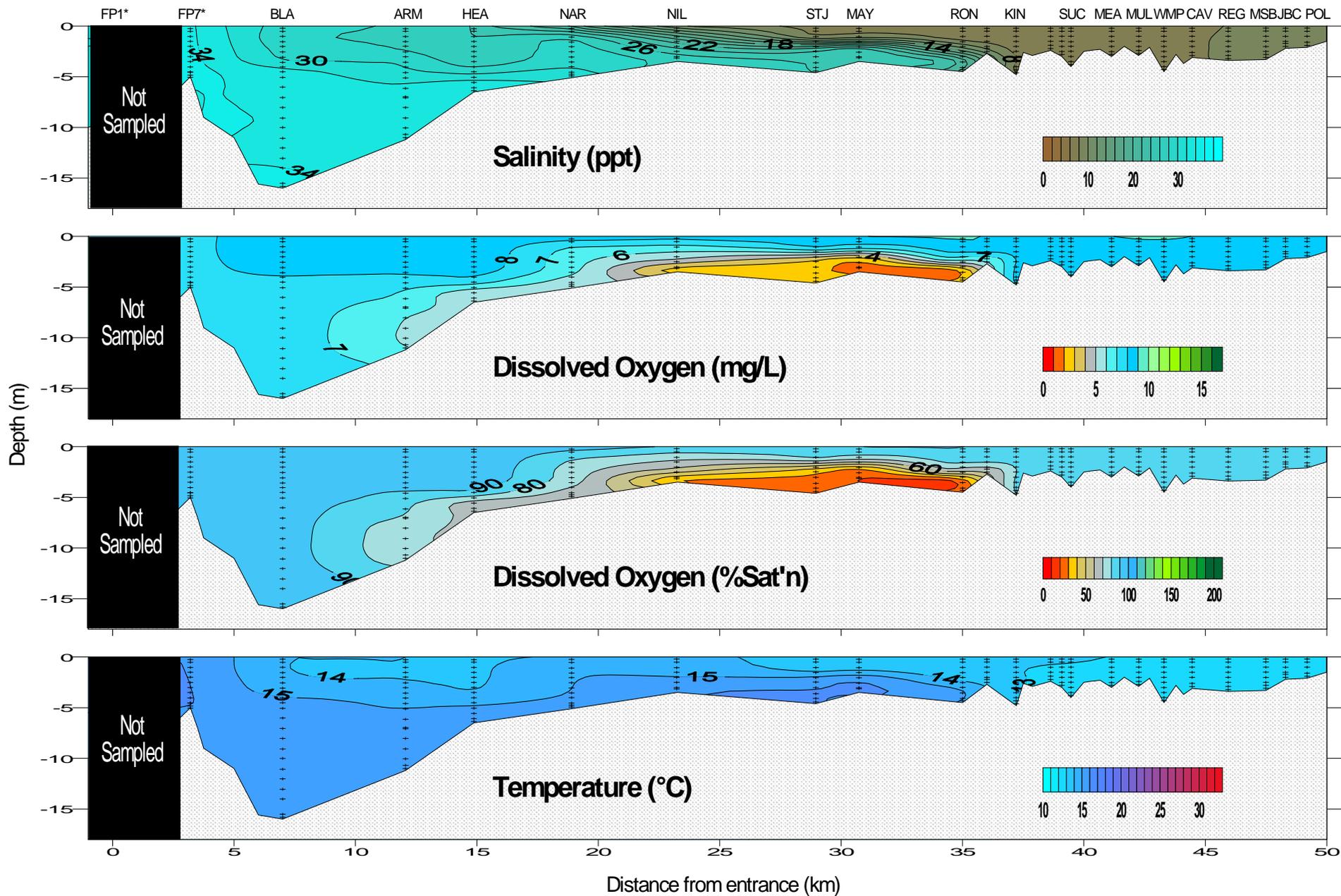
Upper Swan Estuary (BWR10 to POL): The Upper Swan Estuary was brackish and well oxygenated throughout all sites, with the exception of BWR10 which had low oxygen bottom water. Water temperature ranged from 12.2 to 14.5 °C.

**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

# Swan River Estuary - Physical-chemical Profile - 10th August 2015



\*Data for sites FP1 (Harbour entrance) and FP7 (Fremantle Bridge) are supplied courtesy of the Fremantle Port Authority