



Swan Canning Estuary Water Quality Monitoring Project

Weekly Water Quality Report

Canning Estuary and Lower Canning River

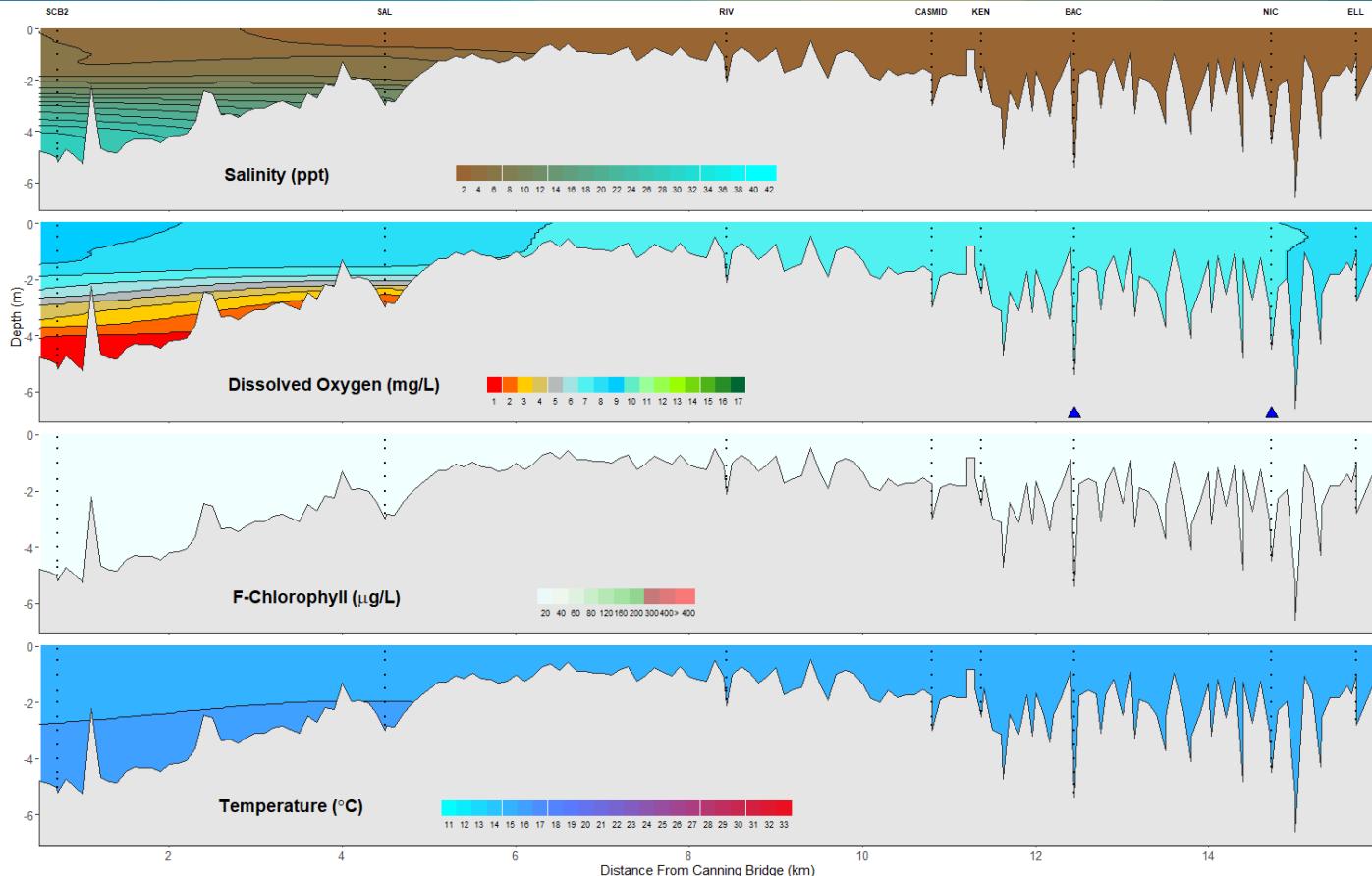
20th July 2021

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Canning Estuary and Lower Canning River - Water Quality Profiles – 20th July 2021





Date: 20th July 2021

NB: Kent Street Weir was opened to alleviate winter flows on 9 July 2021.

Weather & tide conditions: Conditions were overcast with a southerly breeze of up to 4 knots. The predicted tides at Barrack St were 1.20 m at 7:47 am (high tide) and 0.70 m at 7:03 pm (low tide). Perth Airport recorded 40.4 mm of rainfall in the week prior to sampling (Bureau of Meteorology).

Oxygenation: The Bacon St and Nicholson Rd oxygenation plants were not triggered to provide oxygen in the 24 hours prior to sampling.

Canning Estuary (SCB2 to CASMID): The Canning Estuary was fresh over saline at SCB2, fresh over brackish at SAL and fresh from RIV to CASMID. Surface waters were oxygenated or well oxygenated and bottom waters were hypoxic at SCB2 and low in oxygen at SAL. Chlorophyll fluorescence low throughout this zone. Water temperature ranged from 14.5 to 15.8 °C.

Lower Canning River (upstream of KEN): The Lower Canning River was fresh, waters were oxygenated or well oxygenated and chlorophyll fluorescence was low throughout this zone. Water temperature ranged from 14.5 to 14.6 °C.

NB: Profile plots are visual interpolations of measured parameters only. Detailed data are available at wir.water.wa.gov.au.

Oxygenation Plant Operational Status:

- ▲ Operating for part or all of the 24 hours prior to sampling
- ▲ Operable but not triggered to operate in the 24 hours prior to sampling
- ▲ Inoperable for part or all of the 24 hours prior to sampling

Definitions:

- Salinity – fresh <5, brackish 5-25, saline 25-35, hypersaline >35
- Dissolved oxygen – well oxygenated >6mg/L, oxygenated >4-6mg/L, low oxygen >2-4mg/L, hypoxic 0.5-2mg/L, anoxic <0.5mg/L