



Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: ETN 900

Site description: Tanti Creek Mornington Estuary Site 1

Name of monitoring group

Persons monitoring: Martin Lenard + Ann Robb

Date and time of monitoring: 10.20 am 15/8/19

Please record your data below:

Parameter	Reading	Comments
Air Temperature	11.2 °C	
Water Temperature	11.2 °C	
Turbidity	32.14 NTU	
pH	7.43 Unit	
Conductivity	2070 µS / cm	
Dissolved Oxygen	8.7 mg / L	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	.34 ppm 0.11 $\times 0.326 = 0.11$ mg / L	
Ammonium	- 0.07 mg / L	
Nitrate	- mg / L	

Observations and Notes:

What has changed since last time you monitored?

Banks further eroded by spraying + flooding

What stands out about the site today?

Pools of water on east bank

Other observations:

Erosion around base of swamp paperbark getting worse. Northernmost one toppling over



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Waterway Information

Rate of flow:

- ☐ Very fast ☒ Fast ☐ Normal base flow ☐ Slow ☐ Trickle
☐ None ☐ Permanent ☐ Temporary ☐ Other

If 'Other', please specify:

Type of flow:

- ☐ Rising ☐ Steady ☒ Falling ☐ Peak ☐ Dry ☐ Pools / Puddles ☐ Other

If 'Other', please specify:

Waterway Appearance:

- ☐ Clear ☒ Muddy ☐ Smelly ☐ Frothy ☐ Scummy
☐ Oily ☐ Discoloured ☐ Milky ☐ Stained brown ☐ Other

If 'Other', please specify:

Waterway depth: 80 cm (0 to 3000cm)

Waterway width: 1.8 m (0 to 100m)

Weather:

- ☐ Sunny ☒ Cloudy ☐ Overcast ☐ Showers ☐ Rain
☐ Hail ☐ Windy ☐ Foggy ☐ Other

If 'Other', please specify:

Last rainfall:

- ☐ Raining now ☐ Last 24hrs ☒ Last 3 days ☐ Last 7 days ☐ More than a week ago

2mm 64mm in 4 days prior

Litter / Pollutants:

- ☒ Cans ☒ Paper ☐ Clothing ☐ Oil (m²)
☒ Food Packets ☒ Plastic ☒ Polystyrene ☐ Car bodies
☐ Waxed Cardboard ☒ Bottles ☐ Petrol/Diesel (m²) ☐ Other

If 'Other', please specify: