



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

Date and time of monitoring: 31/1/20 3.05pm

Please record your data below:

Parameter	Reading	Comments
Air Temperature	34.5 °C	
Water Temperature	24.3 °C	
Turbidity	9.9 NTU	
pH	7.7 Unit	
Conductivity	5500 µS / cm	
Dissolved Oxygen	8.3 ppm mg / L	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.15 ppm $\times 0.326 = 0.05$ mg / L	Been diluted from ETN 600 site
Ammonium	- 0.1 mg / L	Highest for some time. Some downstream of ETN 600.
Nitrate	- mg / L	

Observations and Notes:

What has changed since last time you monitored?

Evidence of major flooding. Creek bed contours changed significantly: some areas shallower + wider, others narrow + more deeply incised.

What stands out about the site today?

Sand deposits on east bank.

Other observations:

Several galaxias of varying sizes present. No large schools.
Possible small mosquito fish ~ 2cm



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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: 40 cm (0 to 3000cm)

Waterway width: 2 cm (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

77mm including 14mm in 20 mins.

Litter / Pollutants:

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

If 'Other', please specify:

rubber/plastic offcuts, black plastic