Melbourne WATERWATCH

Physical & Chemical Tests Record Sheet

Name of monitoring group: NA	
Person (s) conducting tests: Luisa (J.C tested turbidity) collected sample	
Date of tests: 18/6/18	**Time of tests:** 3:45pm
Site name: Merri Ck at CERES	**Site code:** YMR118

Test	What it measures	Your result	Comments
pH	Acidity/alkalinity		
Water Temperature	Water Temperature	°C	
Air Temperature	Air Temperature	°C	
Turbidity	Suspended solids/cloudiness	350 (Luisa) NTU ~~(Julia)~~	~~Smart 2:~~
Conductivity	Salinity/salts	µS/cm	
Stream flow	Flow rate	m^3/s	

Calculating Stream Flow:

Stream Flow = stream height (m) X stream width (m) X stream velocity (m/s)

Note: stream velocity (m/s) = (length object travelled (m) X 0.9) / time (s)

Flow was very fast, highly turbid (colour) high rainfall on weekend

Weather conditions at the time of sampling:

☐ sunny ☑ cloudy ☐ overcast ☐ raining ☐ windy

15mm over last 24hrs, over weekend between 20–40 mm

Last Rainfall: ☐ more than week ago ☐ during the last week ☑ during last 24 hours ☐ raining now

Water appearance:

☐ Clear	☐ Milky	☐ Foamy/Frothy
☑ Muddy	☐ Smelly	☐ Stained Green
☐ Scummy	☐ Oily	☐ Stained Brown

Rating Guide for physical and chemical tests

Please circle which number your readings are closest to – this will give you and idea of whether the results are good or not.

What we are measuring	Excellent	Good	Fair	Poor	Degraded
Electrical Conductivity (salts and ions)	**<100**	**<250**	**<500**	**<750**	**>750**
Turbidity (murkiness of the water)	**<15.0**	**<17.5**	**20.0**	**30.0**	**>30.0**

pH (how acidic or basic the water is)	**6.0 – 7.0**	**5.5 – 6.0 or 7.0 – 8.0**	**8.0 – 8.5**	**5.0 – 5.5 or 8.5 – 9.0**	**<5.0 or >9.0**