

**Physical & Chemical Tests Record Sheet**  
(To be completed monthly)

Site Name: <u>BARWON RIVER BREAKWATER</u>		Site Code: <u>BAR 161</u>	
Name of Monitoring Group: <u>BARWON INDIVIDUAL</u>			
Person(s) Conducting the test: <u>NORMAN NISBET</u>			
Date of test: <u>15-3-24</u>		Time of test: <u>12 noon 12.02</u> am/pm	
Site Risk Assessment Completed: <input checked="" type="checkbox"/> signature please: Site risk and management assessment at rear of book. Please note circumstantial hazards and additional risks in the box below			
Test	Result (units)	Calculations, dilutions and comments	
Dissolved Oxygen	<u>3.4</u> mg/L	<u>43</u> % sat.	<u>M, Sat, Sun 39-40° Poor</u>
Water Temperature		<u>21</u> °C	
Air Temperature		<u>25</u> °C	
pH	Meter calibrated to <input checked="" type="checkbox"/> pH & <input checked="" type="checkbox"/> pH <del>10</del>	<u>7.1</u> pH units	
Electrical Conductivity (Salinity)	Meter calibrated to <input checked="" type="checkbox"/> 1413, <input type="checkbox"/> 2,000 or <input checked="" type="checkbox"/> 12,880EC	<u>1940</u> EC units µS/cm.	
Reactive Phosphorus		<u>0.07</u> mg/L P	<u>Poor</u>
Turbidity		N.T.U./F.T.U.	
<b>Weather conditions at the time of sampling:</b>			
<input type="checkbox"/> sunny <input checked="" type="checkbox"/> cloudy <input type="checkbox"/> overcast <input type="checkbox"/> raining <input type="checkbox"/> windy			
<b>Rainfall:</b>			
Last rainfall: <input checked="" type="checkbox"/> More than week ago <input type="checkbox"/> During the last week <input type="checkbox"/> During the last 24 hours <input type="checkbox"/> Raining now			
Amount of rain (mm) _____			
<b>Water flow</b>		<b>Water appearance</b>	
Flow indicator (if available) _____ ML/day			
<b>Estimate of flow</b>			
<input type="checkbox"/> Not flowing (pool)	<input type="checkbox"/> Low (minimum)	<input type="checkbox"/> Clear	<input type="checkbox"/> Milky
<input type="checkbox"/> Medium (average)	<input type="checkbox"/> High (but below bankfull)	<input type="checkbox"/> Muddy	<input type="checkbox"/> Smelly
<input type="checkbox"/> Flood (over bank)	<input type="checkbox"/> Permanent (lakes & wetlands)	<input type="checkbox"/> Scummy	<input type="checkbox"/> Oily
		<input type="checkbox"/> Other (description)	<input type="checkbox"/> Foamy /frothy
			<input type="checkbox"/> Stained green
			<input type="checkbox"/> Stained brown
<b>Stream depth</b>			
Depth indicator <u>✓</u> _____ m <input type="checkbox"/> 0 - 50 cm deep <input type="checkbox"/> 51cm-1m deep <input type="checkbox"/> 1 to 2 m deep <input type="checkbox"/> Unknown depth			
<b>Stream width</b>			
Average width of stream: <u>50</u> m <input type="checkbox"/> < 2 m wide <input type="checkbox"/> 2 to 5 m wide <input type="checkbox"/> >5 m wide			
<b>Drain present at site:</b> <input checked="" type="checkbox"/> no <input type="checkbox"/> yes    Water flowing from drain: <input type="checkbox"/> yes    Color _____    Odour _____			
<b>Litter pollutants: (Tick type found)</b>			
<input type="checkbox"/> paper	<input type="checkbox"/> bottles	<input type="checkbox"/> plastic	<input type="checkbox"/> clothing
<input type="checkbox"/> packets	<input type="checkbox"/> cans	<input type="checkbox"/> polystyrene	<input type="checkbox"/> oil
		<input type="checkbox"/> waxed cardboard	<input type="checkbox"/> other
<b>Circumstantial hazards and additional risks</b>		<b>Waterwatch Data Management System: Data entry</b>	
Hazard: <u>BLUE GREEN</u> Risk:		Person entering site visit information	
Risk Control Measures: <u>A19m</u>		Date of entry	
		Site visit approved by Coordinator (initial and date)	

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is essential for ensuring transparency and accountability in the organization's operations.

2. The second part outlines the various methods and tools used to collect and analyze data. This includes the use of surveys, interviews, and data mining techniques to gather insights into customer behavior and market trends.

3. The third part focuses on the role of technology in modern data analysis. It highlights how advanced software and algorithms have significantly improved the speed and accuracy of data processing, allowing for more informed decision-making.

4. The fourth part addresses the challenges associated with data management, such as data privacy, security, and integration. It provides strategies to mitigate these risks and ensure that data is handled responsibly and effectively.

5. The fifth part discusses the importance of data governance and the establishment of clear policies and procedures. This ensures that data is used consistently and ethically across the organization.

6. The sixth part explores the future of data analysis, including the impact of artificial intelligence and machine learning. It suggests that these technologies will continue to revolutionize the way we analyze and interpret data.

7. The seventh part provides a summary of the key findings and recommendations. It stresses the need for ongoing monitoring and evaluation to ensure that data analysis remains a valuable tool for the organization.

8. The eighth part concludes with a call to action, encouraging all stakeholders to embrace a data-driven culture and work together to maximize the organization's potential.