

WATERWATCH TEST

Site code/name	BUNGEYS HOLE WERRIBEE RIVER
Date & time	4/2/18
Monitors	SUELIN HAYNES

Parameter	Reading	Comments												
Air temp – thermometer in shade 2 mins	21 °C													
Water temp – thermometer in water 2 mins	23 °C													
Dissolved Oxygen Rinse glass tubes 3 times. Add 1ml sample to control tube. Rinse oxygen reaction bottle 3 times, fill with sample until overflowing without air bubbles. Add 5 drops O ₂ -1, and 5 drops of O ₂ -2, close the bottle with stopper avoiding air bubbles, and mix by shaking. Wait 1 min, then add 12 drops O ₂ -3, close and shake until deposits dissolved. Put 1mL of solution into sample tube, place on comparator.	7 mg/L													
Ammonium – wear gloves & goggles Rinse glass tubes 3 times. Fill to mark with sample water. Place in holder, leave outer tube blank, inner tube for sample test. Add 10 drops NH ₄ -1 to sample tube, close and mix. Add 1 level spoon NH ₄ -2 to sample tube, close and mix, wait 15 min Look down both tubes and turn disc until colours match.	0.3 mg/L													
Phosphates – Rinse glass tubes 3 times. Fill to mark with sample water. Place in holder, leave outer tube blank, inner tube for sample test. Add 1 spoon PO ₄ -1 to sample tube, close and mix. Add 15 drops PO ₄ -2 to sample tube, close and mix, wait 5 mins. Look down both tubes and move disc until colours match	0.07 mg/L													
pH – Turn on and calibrate first: pH 4 Before reading > CAL > wait 1-2min > HOLD CON > After reading pH 7 Before reading > wait 1-2 min > HOLD CON > After reading pH 10 Before reading > wait 1-2 min > HOLD CON > After reading Rinse probe with distilled water, test sample > HOLD > record result	<table border="0"> <tr> <td>Before</td> <td>After</td> <td rowspan="4">Signature</td> </tr> <tr> <td><u>4.1</u></td> <td><u>4.0</u></td> </tr> <tr> <td><u>7.0</u></td> <td><u>7.0</u></td> </tr> <tr> <td><u>10.0</u></td> <td><u>10.0</u></td> </tr> <tr> <td>8.3</td> <td>Units</td> <td></td> </tr> </table>	Before	After	Signature	<u>4.1</u>	<u>4.0</u>	<u>7.0</u>	<u>7.0</u>	<u>10.0</u>	<u>10.0</u>	8.3	Units		
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Electrical Conductivity – Remove battery cap, turn on & calibrate: EC1413 Rinse > Test > press white button > HOLD/ENT > After EC12880 Rinse > Test > press white button > HOLD/ENT > After Rinse probe with sample water. Test sample > record	<table border="0"> <tr> <td>Before</td> <td>After</td> <td rowspan="3">Signature</td> </tr> <tr> <td><u>1450</u></td> <td><u>1420</u></td> </tr> <tr> <td><u>1100</u></td> <td><u>1190</u></td> </tr> <tr> <td></td> <td>µS/cm</td> <td></td> </tr> </table>	Before	After	Signature	<u>1450</u>	<u>1420</u>	<u>1100</u>	<u>1190</u>		µS/cm				
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Turbidity – shake sample, pour in tube until no longer see wavy lines (avoid direct sunlight), note reading on scale.	1 NTU													

Waterway info – circle answers

Weather – sunny / cloudy / overcast / raining / windy

Rainfall – now / last 24hrs / during the last week / over a week ago. Amount mm _____

Flow estimate – Flood (overbank) / Bankfull / high / normal / low

Appearance – clear / scummy / smelly / foamy/frothy / stained brown / muddy / milky / oily / discoloured / stained green / other _____

Litter & Pollutants – cans / paper / clothing / oil / food packets / plastic / polystyrene / car bodies / waxed cardboard / bottles / petrol or diesel / other _____

What has changed since the last time you monitored? _____

What stands out about the site today? _____

Other observations _____