

## **BURNETT / BAFFLE WATER QUALITY IMPROVEMENT PLAN (WQIP)**

### **BAFFLE CATCHMENT WORKSHOP – 16 MAY 2007**












### **DRAFT RESULTS FROM WORKSHOP - HUMAN WATERWAY USES AND VALUES**












#### **Explanation provided to participants**












1. The accompanying table allows you to identify human waterway uses/values (“Environmental Values - EVs”) for specific waterways in the Baffle catchment. The different human uses/values are shown across the top of the table (eg irrigation, stock watering, etc).
2. The workshop will proceed downwards through each column in the table and will record, in turn, waterway uses/values for waters listed in the left hand column of the table (freshwaters, then estuaries, then marine waters). Workshop organisers will seek verbal input from workshop attendees, and will record this in a ‘master copy’ table (and, where helpful, also on maps). If participants have differing views from those expressed/agreed at the workshop, they can record these on their own table and hand in the table to organisers at the conclusion of the workshop.
3. As a minimum, we will be seeking to fill in human uses/values for all major rows with grey shading.
4. Where requested by workshop attendees, waterway uses/values can be recorded at a more detailed scale, for example where particular uses are limited to specific waterways. (Refer to unshaded rows under each of the major [grey shaded] rows for these more detailed listings.)
5. In each cell, there is provision to record current uses/values and also any known future uses/values.
6. The method for recording level/importance of use is as follows:  
**H** – High importance/use;  
**M** – moderate importance/use;  
**L** – low importance/use;  
**X** – waterway use/value not selected (i.e. no use).

Workshop attendees will be given the opportunity to discuss the levels of importance of waterway uses/value before these are recorded.












7. This table focuses only on human uses and values. A **separate table** will record information on aquatic ecosystems in the area.
8. Following the workshop we will prepare draft tables summarising the uses/values identified by participants and will send draft table outputs to workshop attendees for any feedback/correction.












Waterway	Irrigation  (eg cane irrigation)	Farm supply  (eg fruit packing, milking sheds)	Stock watering  (eg cattle)	Aquaculture  (eg barramundi, red claw farm)	Human consumer  (eg of wild or stocked fish, shellfish)	Primary recreation  (fully immersed in water eg swimming, snorkelling)	Secondary recreation  (possibly splashed with water, eg sailing, fishing)	Visual appreciation  (no contact with water, eg picnic, bush walking)	Drinking water  (raw water supplies taken from river for drinking)	Industrial use  (eg power generation, manufacturing)	Cultural and spiritual values  (note: values from consultations with Traditional Owners not included)
	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future
<b>FRESHWATERS</b>											
<b>LITTABELLA CREEK</b>	<b>H/H</b>	<b>L/L</b>	<b>M/M</b>	<b>L-M/L<sup>1</sup></b>	<b>L/L</b>	<b>L/L</b>	<b>L/L</b>	<b>L/H</b>	<b>X/H?</b> (marina proposal?)	<b>L/L</b>	<b>/</b>
Littabella Ck main channel	/	/	/	H/H may use surface water	/	/	/	/	/	/	/
Littabella Ck tributaries	/	/	/	/	/	/	/	/	/	/	/
➤ Arthur Creek	/	/	/	/	/	/	/	/	/	/	/
➤ Mullet Creek	H/H (mango, macadamia, lychees)	H/H Packing plant (mango, macadamia, lychees)	/	/	/	/	/	/	/	/	/
➤ Other (specify) Unnamed tributaries of Fresh Water Lagoon	/	/	/	/	/	/	/	H/H (within Littabella NP)	/	/	/
Other freshwaters in area (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>DEEPWATER CREEK</b>	<b>H/H</b> Macadamia farms (Blackwater/ Deepwater Cks)	<b>L/L</b> Vegetable grower	<b>L/L</b>	<b>X/X?</b>	<b>H/H</b>	<b>H/H</b> (swimming holes, National Park)	<b>H/H</b>	<b>H/H</b>	<b>M/M</b> (some from creek, but mainly Agnes dune g/w sources)	<b>X/X</b>	<b>/</b>
Deepwater Ck main channel	/	/	/	/	/	/	/	/	/	/	/
Deepwater Ck tributaries	/	/	/	/	/	/	/	/	/	/	/

Waterway	Irrigation  (eg cane irrigation)	Farm supply  (eg fruit packing, milking sheds)	Stock watering  (eg cattle)	Aquaculture  (eg barramundi, red claw farm)	Human consumer  (eg of wild or stocked fish, shellfish)	Primary recreation  (fully immersed in water eg swimming, snorkelling)	Secondary recreation  (possibly splashed with water, eg sailing, fishing)	Visual appreciation  (no contact with water, eg picnic, bush walking)	Drinking water  (raw water supplies taken from river for drinking)	Industrial use  (eg power generation, manufacturing)	Cultural and spiritual values  (note: values from consultations with Traditional Owners not included)
	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now /future	Now / future
➤ Blackwater Creek	/	/	/	/	/	/	/	/	/	/	/
➤ Other (specify)	/	/	/	/	/	/	/	/	/	/	/
Other freshwaters in area (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>EURIMBULA CREEK</b>	<b>X/X</b>	<b>X/X</b>	<b>L/L</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>L/L</b>	<b>H/H</b>	<b>X/X</b>	<b>X/X</b>	<b>/</b>
Eurimbula Ck main channel	/	/	/	/	/	/	/	/	/	/	/
Eurimbula Ck tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
Pancake Creek	/	/	/	/	/	/	/	/	/	/	/
Jenny Lind Creek	/	/	/	/	/	/	/	/	/	/	/
Other freshwaters in area (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>RODDS BAY / WORTHINGTON CK</b>	<b>X/X</b>	<b>X/X</b>	<b>M/M (grazing lease)</b>	<b>L/L (may use surface water)</b>	<b>X/X</b>	<b>X/X</b>	<b>L/L</b>	<b>L/L</b>	<b>X/M?</b>	<b>X/X</b>	<b>/</b>
Scrubby Creek	/	/	/	/	/	/	/	/	/	/	/
Sandy Creek	/	/	/	/	/	/	<b>L/L</b>	/	/	/	/
Worthington Creek	/	/	/	/	/	/	/	/	<b>Potential weir site?</b>	/	/
Other freshwaters in area (specify)	/	/	/	/	/	/	/	/	/	/	/

Waterway	Irrigation  (eg cane irrigation)	Farm supply  (eg fruit packing, milking sheds)	Stock watering  (eg cattle)	Aquaculture  (eg barramundi, red claw farm)	Human consumer  (eg of wild or stocked fish, shellfish)	Primary recreation  (fully immersed in water eg swimming, snorkelling)	Secondary recreation  (possibly splashed with water, eg sailing, fishing)	Visual appreciation  (no contact with water, eg picnic, bush walking)	Drinking water  (raw water supplies taken from river for drinking)	Industrial use  (eg power generation, manufacturing)	Cultural and spiritual values  (note: values from consultations with Traditional Owners not included)
	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now /future	Now / future
<b>BAFFLE CREEK</b>	<b>H/H</b>	<b>L/L</b>	<b>H/H</b>	<b>M/H</b>	<b>L/L</b>	<b>L-M//L-M</b>	<b>L-M/L-M</b>	<b>H/H</b>	<b>H/H</b>	<b>X/X</b>	<b>/</b>
Baffle Ck main channel	H/H (paulownia, improved pastures, dairy)	/	/	M/H	/	/	/	/	H/H	/	/
Baffle Ck western tributaries	H/H Dairy, turf, irrigated Paulownia	/	/	L/L	/	/	/	/	/	/	/
➤ Killarney Creek	/	/	/	X/L	/	/	/	/	/	/	/
➤ Three Mile Creek	(turf farm but unsure if surface water used)	/	/	L/L	/	/	/	/	/	/	/
➤ Colosseum Creek	/	/	/	X/L	/	/	/	/	/	/	/
➤ Granite Creek	/	/	/	X/L	/	/	/	/	/	/	/
➤ Other (specify)	/	/	/	/	/	/	/	/	/	/	/
Baffle Ck southern tributaries	M/H	/	/	L/M	/	/	/	/	/	/	/
➤ Murrays Creek	(application for irrigation) <sup>1</sup>	/	/	/	/	/	/	/	/	/	/
➤ Bottle Creek	/	/	/	/	/	/	/	/	/	/	/
➤ Other (specify) Duck Ck	H/H Macadamia plantation	/	/	/	/	/	/	/	/	/	/

<sup>1</sup> Future water uses depend on outcomes of water resource planning process currently underway by State Government (Dept of Natural Resources and Water)  
Draft Version 1 – Not Government Policy

Waterway	Irrigation  (eg cane irrigation)	Farm supply  (eg fruit packing, milking sheds)	Stock watering  (eg cattle)	Aquaculture  (eg barramundi, red claw farm)	Human consumer  (eg of wild or stocked fish, shellfish)	Primary recreation  (fully immersed in water eg swimming, snorkelling)	Secondary recreation  (possibly splashed with water, eg sailing, fishing)	Visual appreciation  (no contact with water, eg picnic, bush walking)	Drinking water  (raw water supplies taken from river for drinking)	Industrial use  (eg power generation, manufacturing)	Cultural and spiritual values  (note: values from consultations with Traditional Owners not included)
	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future
Baffle Ck central tributaries	L/L	/	/	X/L	/	/	/	/	/	/	/
➤ Captain Ck	/	/	/	/	/	/	/	/	/	/	/
➤ Oyster Ck	/	/	/	/	/	/	/	/	/	/	/
➤ Euleilah Ck	/	/	/	/	/	/	/	/	/	/	/
Other (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>ESTUARIES</b>											
<b>LITTABELLA CREEK</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>H/H</b>	<b>M/M</b>	<b>L/M</b>	<b>M/H (fishing)</b>	<b>L/M (limited access)</b>	<b>X/X</b>	<b>X/X</b>	<b>/</b>
Littabella Creek estuary	/	/	/	/	/	/	/	/	/	/	/
Yandaran Creek estuary	/	/	/	/	/	/	/	/	/	/	/
Other estuaries in area (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>DEEPWATER CREEK</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>X/X</b>	<b>X/X</b>	<b>/</b>
Deepwater Creek estuary	/	/	/	/	/	/	/	/	/	/	/
Broadwater Creek estuary	/	/	/	/	/	/	/	/	/	/	/
Other estuaries in area (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>EURIMBULA CREEK</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>X/X?</b>	<b>X/X?</b>	<b>/</b>
Eurimbula Creek estuary	/	/	/	/	/	/	/	/	/	/	/
Other estuaries in area (specify)	/	/	/	/	/	/	/	/	Round Hill Ck - proposed	Round Hill Ck - proposed	/

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	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future
Round Hill Ck									marina/resort?	marina/resort?	
<b>RODDS BAY / WORTHINGTON CK</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>X/X</b>	<b>X/X</b>	<b>/</b>
Twelve Mile Creek estuary	/	/	/	X/X	/	/	/	/	/	/	/
Scrubby Creek estuary	/	/	/	X/X	/	/	/	/	/	/	/
Sandy Creek estuary	/	/	/	X/X	/	/	/	/	/	/	/
Worthington Creek estuary	/	/	/	X/X	/	/	/	/	/	/	/
Other estuaries in area (specify) Rodds Bay	/	/	/	H/H (large facility)	/	/	/	/	/	/	/
<b>BAFFLE CREEK</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>H/H (several aquaculture operations)</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>X/X</b>	<b>X/X?</b> (proposed canal estate?)	<b>/</b>
Baffle Creek estuary	X/X	X/X	X/X	/	/	/	/	/	X/X	/	/
<b>COASTAL/MARINE WATERS adjacent to the Baffle Basin area</b>											
<b>ALL WATERS (unless need for subdivision)</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>X/L-M</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>X/M</b> (Agnes Water desalination plant intake will be 600m offshore)	<b>X/X?</b>	<b>/</b>
➤ Sub area (specify) Humock Hill Island, Seaview, Turkey Beach etc.	X/X	X/X	X/X	/	/	/	/	/	X/?	/	/

<sup>1</sup> Where a range in importance grades was provided by stakeholders in workshops (eg L-M, M-H), we have kept this as a range (rather than choose a particular grade).

DRAFT