

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

**BURNETT EAST/ KOLAN / ELLIOTT CATCHMENT WORKSHOP – 18 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 Burnett east subcatchment (including Kolan and Elliott catchments). 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.












	<b>Irrigation</b>  (eg cane irrigation)	<b>Farm supply</b>  (eg fruit packing, milking sheds)	<b>Stock watering</b>  (eg cattle)	<b>Aquaculture</b>  (eg barramundi, red claw farm)	<b>Human consumer</b>  (eg of wild or stocked fish, shellfish)	<b>Primary recreation</b>  (fully immersed in water eg swimming, snorkelling)	<b>Secondary recreation</b>  (possibly splashed with water, eg sailing, fishing)	<b>Visual appreciation</b>  (no contact with water, eg picnic, bush walking)	<b>Drinking water</b>  (raw water supplies taken from river for drinking)	<b>Industrial use</b>  (eg power generation, manufacturing)	<b>Cultural and spiritual values</b>  (note: values from consultations with Traditional Owners not included)
<b>Waterway</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>












**FRESHWATERS** (Note: Instream storages (dams, weirs and barrages) have been included and these have been underlined)












**GIN GIN CREEK AND KOLAN RIVER**












	<b>H/H</b> (horticulture)	<b>H/H</b> (packing sheds)	<b>H/H</b>	<b>X or L / X or L</b> Redclaw/ crayfish but maybe using water from irrigation channels)	<b>L/L</b>	<b>L/L</b> (hyacinth restricts use)	<b>M/M</b>	<b>L/L</b>	<b>H/H</b> (Gin Gin water supply)	<b>X/X</b>	<b>/</b>
<b>Gin Gin Creek (top of catchment to junction with Kolan River)</b>											
Gin Gin Ck main channel	/	/	/	/	/	/	/	/	/	/	/
Cabbage Tree Ck (enters Gin Gin Ck from the north)	/	/	/	/	/	/	/	/	/	/	/
Other tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
Other freshwaters in area (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>Kolan River 'flowing waters' upstream of Fred Haigh Dam storage</b>	<b>H/H</b> (cane, pastures)	<b>L/L</b>	<b>H/H</b>	<b>L-M/L-M</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>L/L</b>	<b>X/X</b>	<b>X/X</b>	<b>/</b>
Main Kolan channel	/	/	/	/	/	/	/	/	/	/	/
Kolan tributaries	/	/	/	/	/	/	/	/	/	/	/
Other freshwaters in area (specify)	/	/	/	/	/	/	/	/	/	/	/












Waterway	<b>Irrigation</b>  (eg cane irrigation)	<b>Farm supply</b>  (eg fruit packing, milking sheds)	<b>Stock watering</b>  (eg cattle)	<b>Aquaculture</b>  (eg barramundi, red claw farm)	<b>Human consumer</b>  (eg of wild or stocked fish, shellfish)	<b>Primary recreation</b>  (fully immersed in water eg swimming, snorkelling)	<b>Secondary recreation</b>  (possibly splashed with water, eg sailing, fishing)	<b>Visual appreciation</b>  (no contact with water, eg picnic, bush walking)	<b>Drinking water</b>  (raw water supplies taken from river for drinking)	<b>Industrial use</b>  (eg power generation, manufacturing)	<b>Cultural and spiritual values</b>  (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>Fred Haigh Dam storage</b> (part of Kolan River water supply scheme)	H/H	H/H	H/H	H/H	H/H	H/H	H/H	H/H	H/H (Gin Gin)	X/X	/
Tributaries entering dam	/	/	/	/	/	/	/	/	/	/	/
➤ Walily Creek	/	/	/	/	/	/	/	/	/	/	/
➤ Takilberan Creek	/	/	/	/	/	/	/	/	/	/	/
Other tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>Kolan River 'flowing' waters downstream of Fred Haigh Dam to upstream end of Bucca Weir pool (junction with Gin Gin Ck)</b>	H/H (orchards, cane, spuds)	M/H (horticulture)	H/H	X/L	L/L	X/X	L/L	L/L	X/X	X/X	/
Kolan main channel	/	/	/	/	/	/	/	/	/	/	/
Kolan tributaries	/	/	/	/	/	/	/	/	/	/	/
➤ 4 Mile Creek											
➤ Stony Creek	/	/	/	/	/	/	/	/	/	/	/












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><u>Bucca Weir pool</u></b> (Note: Density of water hyacinth is affecting current uses)	H/H (horticulture, cane)	H/H	H/H	X/L	H/H	H/H (school camps, long distance swimmers)	H/H (community facilities, rowing course)	H/H (heavy use of area)	L?/L?	X/X	/
Weir pool	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering weir pool	/	/	/	/	/	/	/	/	/	/	/
<b><u>Kolan River ‘flowing’ waters downstream of Bucca Weir to upstream end of Kolan Barrage pool</u></b>	(workshop decided to amalgamate this area with Kolan weir pool (below) as very small section is flowing, and no obvious difference in use)										
Kolan main channel	/	/	/	/	/	/	/	/	/	/	/
Kolan tributaries	/	/	/	/	/	/	/	/	/	/	/
<b><u>Kolan Barrage Weir Pool</u></b>	H/H (cane, fruit trees, avocados, mangoes)	H/H	H/H	L-M/H	H/H	H/H	H/H	H/H (Smiths crossing)	H/H (Moore Park)	X/X	/
Weir pool	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering weir pool	/	/	/	/	/	/	/	/	/	/	/












Waterway	Irrigation	Farm supply	Stock watering	Aquaculture	Human consumer	Primary recreation	Secondary recreation	Visual appreciation	Drinking water	Industrial use	Cultural and spiritual values
	 (eg cane irrigation)	 (eg fruit packing, milking sheds)	 (eg cattle)	 (eg barramundi, red claw farm)	 (eg of wild or stocked fish, shellfish)	 (fully immersed in water eg swimming, snorkelling)	 (possibly splashed with water, eg sailing, fishing)	 (no contact with water, eg picnic, bush walking)	 (raw water supplies taken from river for drinking)	 (eg power generation, manufacturing)	 (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>Freshwater tributaries downstream of Kolan Barrage</b>	M-H/H	L-M/L-M	M/M	X/X (This assumes that the bass hatchery does not use surface water)	L/L	X/X	X-L/X-L	X/X	X/X	X/X	/
➤ Sandy Creek	M/M	M/M	/	/	/	/	X/X	/	/	/	/
Yandaran Creek (to Rosedale Rd)	H/H	L/L	/	/	/	/	L/L	/	/	/	/
Other tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>BURNETT RIVER</b>											
<b>Burnett 'flowing' waters downstream of Claude Wharton Weir to upstream end of Paradise Dam storage</b> (part of upper Burnett water supply scheme)	H/H	H/H	H/H	H/H	L/L	L/L	L/L	M/M	H/H (Gayndah Shire offtake location)	X-L/M-H	/
Burnett main channel	/	/	/	/	/	/	/	/	/	/	/
Other Burnett 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
<b>Paradise Dam storage</b> (part of Bundaberg water supply scheme)	M/M	M/M	M/M	L/L (turtle hatchery/)	L/H (likely to increase use as dam fills)	L/H	L/H	L/H	X?/L?	L/H (Equagold sources water from dam – potential for future mines to do same)	/
Dam storage	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering dam	/	/	/	/	/	/	/	/	/	/	/
➤ Sunday creek (from north)	/	/	/	/	/	/	/	/	/	/	/
➤ Others (specify) Mingo Ck	X/X	X/X	H/H	X/X	H/H	H/H (Mingo crossing)	H/H	H/H	X/X	X/X	/
<b>Burnett ‘flowing’ waters downstream of Paradise Dam to St Agnes Ck junction/ upstream end Ned Churchward (Walla) Weir pool</b>	H/H (cane horticulture, citrus)	H/H	H/H	L-M/L-M	L/L	H/H (Booyal crossing)	H/H	H/H	L/L (campers)	X/M-H (possible future mining near Biggenden)	/
Burnett main channel	/	/	/	/	/	/	/	/	/	/	/
Burnett tributaries	/	/	/	/	/	/	/	/	/	/	/

Waterway	Irrigation	Farm supply	Stock watering	Aquaculture	Human consumer	Primary recreation	Secondary recreation	Visual appreciation	Drinking water	Industrial use	Cultural and spiritual values
	 (eg cane irrigation)	 (eg fruit packing, milking sheds)	 (eg cattle)	 (eg barramundi, red claw farm)	 (eg of wild or stocked fish, shellfish)	 (fully immersed in water eg swimming, snorkelling)	 (possibly splashed with water, eg sailing, fishing)	 (no contact with water, eg picnic, bush walking)	 (raw water supplies taken from river for drinking)	 (eg power generation, manufacturing)	 (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
➤ Degilboe Creek (from south)	/	/	/	/	/	/	/	/	/	/	/
➤ Others (specify)	/	/	/	/	/	/	/	/	/	/	/
<b><u>Ned Churchward (Walla) Weir pool</u></b>	H/H	H/H	H/H	L-M/L-M	H/H	M/M	M/M	L/L	M/M	X/X	/
Weir pool	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering weir pool	/	/	/	/	/	/	/	/	/	/	/
<b><u>Perry River flowing waters and Perry River Dam (Placer Dam)</u></b>	X/X	X/X	H/H	L/L	L/L	X/X	L/L	L/L	X/X	H/H	/
Others (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>Burnett ‘flowing’ waters downstream of Ned Churchward Weir to upstream end of Ben Anderson Barrage pool</b>	H/H (Pine Ck irrigation)	H/H	H/H	L-M/L-M	M/M	H/H	H/H	H/H	X/X	H/H (Bingera Mill)	/
Burnett main channel	/	/	/	/	/	/	/	/	/	/	/
Burnett tributaries	/	/	/	/	/	/	/	/	/	/	/
<b><u>Ben Anderson Barrage weir pool (including Bingera)</u></b>	H/H	H/H	H/H	M/M	H/H	H/H	H/H	H/H	H/H (Bundaberg water supply)	H/H (Milaquinn Mill)	/
Weir pool	/	/	/	/	/	/	/	/	/	/	/

Waterway	Irrigation	Farm supply	Stock watering	Aquaculture	Human consumer	Primary recreation	Secondary recreation	Visual appreciation	Drinking water	Industrial use	Cultural and spiritual values
	 (eg cane irrigation)	 (eg fruit packing, milking sheds)	 (eg cattle)	 (eg barramundi, red claw farm)	 (eg of wild or stocked fish, shellfish)	 (fully immersed in water eg swimming, snorkelling)	 (possibly splashed with water, eg sailing, fishing)	 (no contact with water, eg picnic, bush walking)	 (raw water supplies taken from river for drinking)	 (eg power generation, manufacturing)	 (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
Tributaries entering weir pool	/	/	/	/	/	/	/	/	/	/	/
<b>Other freshwater creeks downstream of Ben Anderson Barrage</b>	/	/	/	/	/	/	/	/	/	/	/
Splitters Creek	L/M	H/H (mango, avocado, macadamia)	L/L	L/L	L-M/L-M	L/L	H/H (includes canoeing)	H/H	X/X	X/X	/
Bundaberg Creek including Baldwin Swamp	X/X	X/X	L/L	X/X	X/X	L/L	L/L	H/H	X/X	X/X	/
Other tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>Coastal freshwater creeks between Kolan and Elliott rivers</b>	L/L (Bargara golf course – Moneys Ck)	X/X	L/L (eg Palmers Ck)	X/X	X/X	X/X	X/X	L/L	X/X	X/X	/
Moore Park Creek											
Kelly's Creek (at Bargara)	/	/	/	/	/	/	/	/	/	/	/
Rifle Range Creek (at Innes Park)	/	/	/	/	/	/	/	/	/	/	/
Palmers Creek	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/

Waterway	Irrigation	Farm supply	Stock watering	Aquaculture	Human consumer	Primary recreation	Secondary recreation	Visual appreciation	Drinking water	Industrial use	Cultural and spiritual values
	 (eg cane irrigation)	 (eg fruit packing, milking sheds)	 (eg cattle)	 (eg barramundi, red claw farm)	 (eg of wild or stocked fish, shellfish)	 (fully immersed in water eg swimming, snorkelling)	 (possibly splashed with water, eg sailing, fishing)	 (no contact with water, eg picnic, bush walking)	 (raw water supplies taken from river for drinking)	 (eg power generation, manufacturing)	 (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
Other creeks (specify)											
<b>ELLIOTT RIVER</b>											
<b>Elliott River</b>	<b>H/H</b>	<b>H/H</b>	<b>M/M</b>	<b>L/L</b>	<b>L/L</b>	<b>L/L</b>	<b>M/M</b>	<b>H/H</b>	<b>X/X</b>	<b>X/X</b>	<b>/</b>
Elliott main channel	/	/	/	/	/	/	/	/	/	/	/
Yellow Waterholes Creek	/	/	/	/	/	/	/	/	/	/	/
Theodolite Creek	/	/	/	/	/	/	/	/	/	/	/
Lagoon Creek	/	/	/	/	/	/	/	/	/	/	/
Other tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
<b>ESTUARIES</b>											
<b>KOLAN ESTUARY</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>L/L</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>
Other estuaries in area (specify)	X/X	X/X	X/X	/	/	/	/	/	X/X	/	/
<b>BURNETT ESTUARY</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>H/H</b> (port, seafood processing)	<b>/</b>
Other estuaries in area (specify)	X/X	X/X	X/X	/	/	/	/	/	X/X	/	/
<b>ELLIOTT ESTUARY</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>L/M</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>
Other estuaries in area	X/X	X/X	X/X	/	/	/	/	/	X/X	/	/

	<b>Irrigation</b>  (eg cane irrigation)	<b>Farm supply</b>  (eg fruit packing, milking sheds)	<b>Stock watering</b>  (eg cattle)	<b>Aquaculture</b>  (eg barramundi, red claw farm)	<b>Human consumer</b>  (eg of wild or stocked fish, shellfish)	<b>Primary recreation</b>  (fully immersed in water eg swimming, snorkelling)	<b>Secondary recreation</b>  (possibly splashed with water, eg sailing, fishing)	<b>Visual appreciation</b>  (no contact with water, eg picnic, bush walking)	<b>Drinking water</b>  (raw water supplies taken from river for drinking)	<b>Industrial use</b>  (eg power generation, manufacturing)	<b>Cultural and spiritual values</b>  (note: values from consultations with Traditional Owners not included)
	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now / future</b>	<b>Now /future</b>	<b>Now / future</b>
(specify)											
<b>COASTAL/MARINE WATERS adjacent to the Burnett/Kolan/Elliott catchments</b>											
<b>ALL WATERS (unless need for subdivision) – no sub areas requested/specified</b>	<b>X/X</b>	<b>X/X</b>	<b>X/X</b>	<b>L/H</b> (L for sea scallop. H for sea ranching)	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>H/H</b>	<b>X/X</b>	<b>L?/L?</b> (Burnett port activities?)	<b>/</b>

Other comments: Where a range is 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).