

BURNETT / BAFFLE WATER QUALITY IMPROVEMENT PLAN (WQIP)

BURNETT INLAND SOUTH CATCHMENT WORKSHOP – 21 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 Inland South subcatchments. 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
FRESHWATERS (Note: instream storages (dams, weirs and barrages) have been included and these have been <u>underlined</u> .)											
BOYNE/STUART RIVERS											
Boyne River top of catchment to upstream end Boondooma Dam storage	L/L (hay, sorghum, lucerne)	X?/X?	H/H	X/X	L/L	L/L	L/L	L/L	L/L (most water in this area is extracted through 'bed sands')	X/X	/
Boyne River main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
Stuart River top of catchment to upstream end Gordonbrook Dam storage	M/M (peanuts, lucerne)	L-M/L-M (piggeries – washdown)	M-H/M-H (cattle)	X/X	L/L	L/L	L/L	L/L (Alice Ck, Bunya Mtns, caravan parks/ pull outs)	X-L/X-L	X/X	?/? 2 native title areas (Stuart, Bunya Mtns)
Stuart River main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
<u>Gordonbrook Dam storage</u>	L/L (peanuts, lucerne)	L/L (piggery)	L/L (grazing permit around dam)	X/X	X/M-H (algal blooms restrict use but area is set up for fishing (boat ramp) and used to be fished)	X/M	X/M	M/H	H/H (Kingaroy water supply)	H/H (meat works)	/

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
Dam storage	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering dam	/	/	/	/	/	/	/	/	/	/	/
Stuart River 'flowing waters' downstream of Gordonbrook Dam to upstream end of Proston Weir pool	M/M (flood irrig harvesting permit: peanuts, lucerne)	L/L (large piggery)	L/L (large piggery)	L?/M? (Home Ck redclaw)	L/L	L/L	L/L	L/L	X/X	X/X	/
Stuart River main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
Proston Weir pool	/	/	M/M	/	/	/	/	/	/	/	/
Weir pool	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering weir pool	/	/	/	/	/	/	/	/	/	/	/
Stuart River 'flowing waters' downstream of Proston Weir to upstream end of Boondooma Dam storage	L-M/L-M (peanuts, corn, sorghum, olives)	L/L	L/L (group stock watering supply)	L/M	L/L	L/L	L/L	L/L	L/L	X/X	/
Stuart River channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (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
Boondooma Dam storage including pipeline to Tarong (part of Boyne/Tarong water supply scheme.) ¹	M/M? (orchards)	M/M? (piggeries, feedlots)	M/M? (feedlots, piggeries)	X/X	H/H (fish, redclaw)	H/H	H/H (cabins, track)	H/H	H/H (Proston, Boondooma Dam township, Tarong drinking water, plus more towns could use in future)	H/H (Tarong)	/
Dam storage	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering dam	/	/	/	/	/	/	/	/	/	/	/
Boyne River 'flowing' waters downstream of Boondooma Dam to top of Jones Weir pool (Burnett R)	H/H (table grapes, citrus, nuts, pasture)	H/H	H/H	L/L	M/M	M/M	M/M	H/H	X/X	X/X	/
Boyne River channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/












¹ Fully allocated, but allocations are tradable. Future use hard to determine due to south east corridor pipeline project
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
➤ BARKER/BARAMBAH CREEK /											
Barker Creek top of catchment to Nanango Weir pool	L/L (lucerne)	L/L	M/M-H	X/X	L/L	L/L	L/L	L/L (see separate listing for Bunya Mtns)	L/L	X/X	/
Barker Creek main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (waterways arising from Bunya Mountains)	/	/	/	/	/	/	/	H/H	/	/	/
<u>Nanango Weir pool</u>	X/X	X/X	X/X	X/X	L/H	L/L (now 'no swimming' signs)	L/L	L/L	X/X	X/X	/
Weir pool	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering weir pool	/	/	/	/	/	/	/	/	/	/	/
Meandu Creek	/	/	/	/	/	/	/	/	/	/	/
Meandu Creek upstream of Meandu Creek Dam	X/X	X/X	X/L	X/X	X/X	X/X	X/X	X/X	X/X	M/M	/
<u>Tarong Cooling water dam</u>	(stakeholders agreed that there was no need to address this dam)										
<u>Tarong Meandu Creek Dam</u>	X/X	X/X	L/L	X/L	X/X	X/X	X/X	X/X	X/X	X/L	/
Meandu Creek downstream of dam (includes water released from power station)	H/L-M (Lucerne, rye, pasture)	M/L-M (dairy)	H/L-M	X/X	L/L (some fishing from	L/L	L/L	X/X	X/X	L?/L?	/

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 improvement ²	Now / future	Now / future	Now / future	Now / future (bridge)	Now / future	Now / future	Now / future	Now / future	Now /future	Now / future
Barker Ck ‘flowing’ waters downstream of Nanango Weir to upstream end Bjelke Petersen Dam	H/L-M	M/L-M	H/L-M	X/X	L-M/L-M	L-M/L-M (includes, Chinamans Broadwater?)	L/L	L/L	L/L	X/X	/
Barker Creek main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries	/	/	/	/	/	/	/	/	/	/	/
<u>Bjelke Petersen Dam storage (Lake Barambah)</u>	H/H (Olives, vineyards)	X/X	H/H	X/X	H/H	H/H	H/H	H/H	X/X	X/X	/
Dam storage	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering dam	/	/	/	/	/	/	/	/	/	/	/
Barambah Creek top of catchment to upstream end Francis Weir pool	L/L	X/X	H/H	X-L/X (small farm at Mannamba that grows out fish?)	L-M/L-M	L/L	L/L	L/L (National Trail area)	L/L	X/X	/
Barambah Ck main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/

² Future availability will depend on degree of recycling by power station.
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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
Upper Barambah Ck irrigation weir pools near Bjelke Petersen Dam	H/H (cotton, small crops, potatoes, pumpkins, olives, grapes)	H/H	H/H	X/X	M/M	L/L	L/I	L/L	X/X	X/X	/
Francis Weir pool	/	/	/	/	/	/	/	/	/	/	/
Joe, Murray, Dudley, and Greg Sippel Weir pools	/	/	/	/	/	/	/	/	/	/	/
Wessling Weir pools	/	/	/	/	/	/	/	/	/	/	/
Tributaries entering weir pools	/	/	/	/	/	/	/	/	/	/	/
Barambah Ck 'flowing' waters downstream of Bjelke Petersen Dam to Burnett River junction	H/H (cotton, olives)	H/H	H/H	M?/M? (2 hatcheries including one large hatchery?)	M-H/H	M-H/M-H	M-H/M-H	M/M	H/H (Cherbourg, Wondai, Murgon)	H/H (meatworks, tannery)	/
Barambah Creek main channel	/	/	/	/	/	/	/	/	/	/	/
➤ From Bjelke Petersen dam to upstream end Murgon Weir pool	/	/	/	/	/	/	/	/	/	/	/
➤ From Murgon Weir to upstream end of Merlwood 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
➤ From Silverleaf Weir to upstream end Stonelands gauging weir pool	/	/	/	/	/	/	/	/	/	/	/
➤ From Stonelands gauging weir to junction with Burnett River	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/
Barambah Ck weir pools downstream of Bjelke Petersen Dam to Burnett River junction	H/H	H/H	H/H	M/M	L-M/L-M	M/M	M/M	M/M	X/X (aside from Murgon Weir – see below)	X/X (aside from Murgon Weir – see below)	/
Murgon Weir pool	/	/	/	/	/	/	/	/	H/H (Murgon)	H/H (Murgon meatworks)	/
Merlwood Weir pool	/	/	/	/	/	/	/	/	/	/	/
Clark Weir pool	/	/	/	/	/	/	/	/	/	/	/
Silverleaf Weir pool	/	/	/	/	/	/	/	/	/	/	/
Stonelands gauging weir pool	/	/	/	/	/	/	/	/	/	/	/
Barambah Creek main waterholes	/	/	/	/	/	/	/	/	/	/	/
Cherbourg waterhole	/	/	/	/	/	/	/	/	H/H (water released from BP dam)	/	/
Ficks Crossing waterhole	/	/	/	/	/	H/H	H/H	H/H	/	/	/

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 (camping area)	Now / future	Now /future	Now / future
(natural?)											
Boonara Creek to junction with Barambah Creek	M/M (most from bores – fodder crops incl lucerne, sorghum)	M/M	H/H	L/L	L/L	L/L	L/L	L/L	L/L	X/X	/
Boonara Creek main channel	/	/	/	/	/	/	/	/	/	/	/
Tributaries (specify)	/	/	/	/	/	/	/	/	/	/	/

Other comments: 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 one particular grade).