

Black / Ross Water Quality Improvement Plan (WQIP)

Rural Areas Workshop - Wednesday 23 July 2008 (Bluewater)












Human Uses and Values of Waterways












Explanation












1. The accompanying table allows you to identify human uses/values i.e. Environmental Values (EVs), for specific waterways (freshwater and estuaries) in the Black River and Ross River Basins, from Crystal Creek in the north to Black River, and Ross River above the dam, and the adjacent coastal and marine waters (*see maps after the tables for waterway locations*). The different human uses/values are shown across the top of the table (e.g. irrigation, stock watering, etc).
2. The workshop will proceed through each row 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 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. The unshaded rows under each of the major [grey shaded] rows will be used, if necessary, 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 ecological values of 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	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: additional consultations to occur with Traditional Owners)
	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 underlined)											
Black River Basin (Abbreviations FrW Undev is freshwater undeveloped areas and FrW Devel is freshwater developed areas)											
Crystal Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Crystal Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Crystal Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Lorna Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Lorna Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Lorna Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Ollera Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Ollera Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Ollera Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Scrubby Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Scrubby Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Scrubby Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Hencamp Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Hencamp Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Hencamp Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/

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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
Rollingstone Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Rollingstone Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Rollingstone Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Surveyors Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Surveyors Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Surveyors Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Wild Boar Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Wild Boar Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Wild Boar Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Station Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Station Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Station Creek (FrW Estuary)	/	/	/	/	/	/	/	/	/	/	/
Saltwater Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Saltwater Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Saltwater Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Cassowary Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Cassowary Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/

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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
Cassowary Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Leichhardt Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Leichhardt Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Leichhardt Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Christmas Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Christmas Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Christmas Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Sleeper Log Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Sleeper Log Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Sleeper Log Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Two Mile Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Two Mile Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Two Mile Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Bluewater Ck (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Bluewater Ck (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Bluewater Ck (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Deep Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/

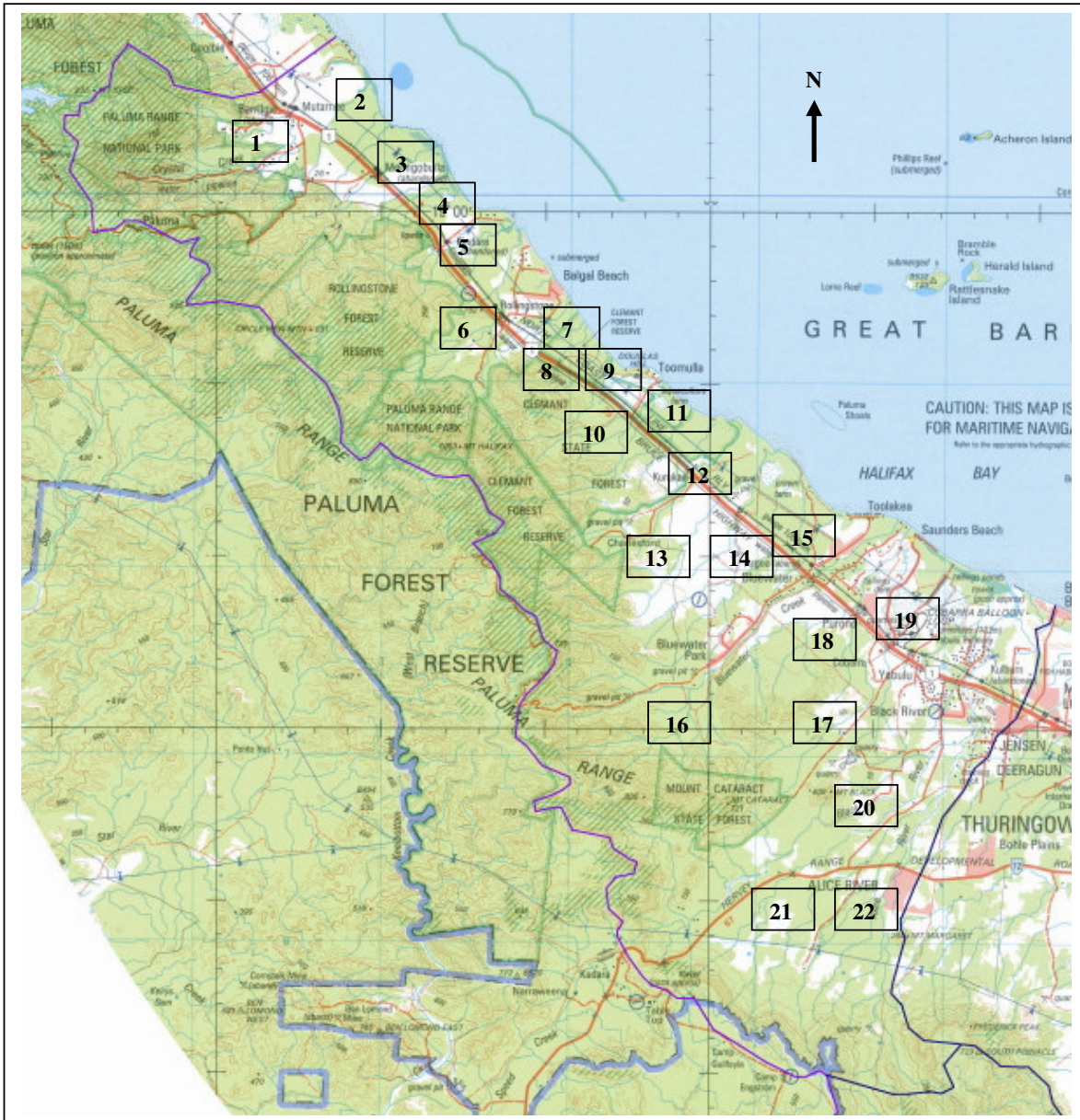
Waterway	Irrigation	Farm supply	Stock watering	Aquaculture	Human consumer	Primary recreation	Secondary recreation	Visual appreciation	Drinking water	Industrial use	Cultural and spiritual values
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	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now / future	Now /future	Now / future
Deep Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Deep Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Althaus Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Althaus Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Healy Creek	/	/	/	/	/	/	/	/	/	/	/
Healy Creek (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Black River (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Black River (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Black River (Estuary)	/	/	/	/	/	/	/	/	/	/	/
Scrubby Creek (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Scrubby Creek (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Alice River (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Alice River (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Coastal/Marine Waters adjacent to the Black River Basin catchments											
Halifax Bay				/	/	/	/	/			/
				/	/	/	/	/			/
				/	/	/	/	/			/
				/	/	/	/	/			/
				/	/	/	/	/			/

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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
Outer Marine				/	/	/	/	/			/
				/	/	/	/	/			/
Freshwaters											
Ross River Basin (Ross River Dam and upstream)											
Lake Ross (Ross Dam)	/	/	/	/	/	/	/	/	/	/	/
Ross River (FrW Undev)	/	/	/	/	/	/	/	/	/	/	/
Ross River (FrW Devel)	/	/	/	/	/	/	/	/	/	/	/
Round Mountain Creek	/	/	/	/	/	/	/	/	/	/	/
Lagoon Creek	/	/	/	/	/	/	/	/	/	/	/
Plum Tee Creek	/	/	/	/	/	/	/	/	/	/	/
Central Creek (also known as Ross Creek)	/	/	/	/	/	/	/	/	/	/	/
Sandy Creek	/	/	/	/	/	/	/	/	/	/	/
Spring Creek	/	/	/	/	/	/	/	/	/	/	/
Deep Creek	/	/	/	/	/	/	/	/	/	/	/
Leichhardt Creek	/	/	/	/	/	/	/	/	/	/	/
Cattle Creek	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/

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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
	/	/	/	/	/	/	/	/	/	/	/
Six Mile Creek	/	/	/	/	/	/	/	/	/	/	/
Toonpan Lagoon	/	/	/	/	/	/	/	/	/	/	/
Jimmys Lagoon	/	/	/	/	/	/	/	/	/	/	/
Four Mile Creek /Flagstone Creek	/	/	/	/	/	/	/	/	/	/	/
One Mile Creek/Spring Creek/Lansdowne Creek	/	/	/	/	/	/	/	/	/	/	/
Antill Plains Creek	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/
Sachs Creek	/	/	/	/	/	/	/	/	/	/	/
Blacksoil Gully/Mt Stuart	/	/	/	/	/	/	/	/	/	/	/
	/	/	/	/	/	/	/	/	/	/	/

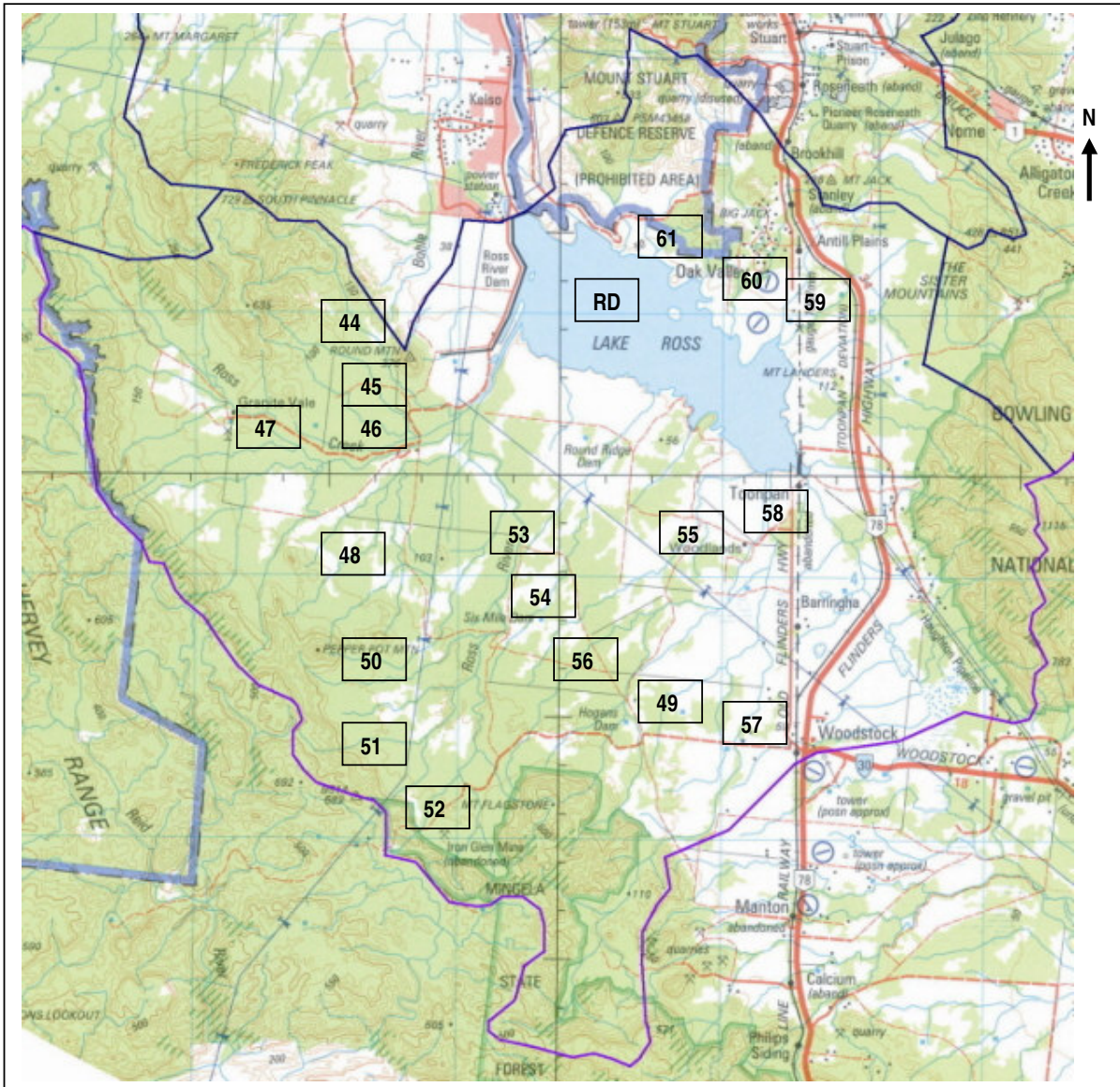
Other comments:

Rural Areas (Crystal Creek to Black River) and Adjacent Coastal and Marine Waters Map



Waterway	Code	Waterway	Code
Crystal Creek	1	Leichhardt Creek	12
Lorna Creek	2	Christmas Creek	13
Ollera Ck	3	Sleeper Log Creek	14
Scrubby Creek	4	Two Mile Creek	15
Hencamp Ck	5	Bluewater Creek	16
Rollingstone Ck	6	Althaus Creek	17
Surveyors Creek	7	Deep Creek	18
Wild Boar Creek	8	Healy Creek	19
Station Creek	9	Black River	20
Saltwater Creek	10	Scrubby Creek	21
Cassowary Creek	11	Alice River	22

Upper Ross River (Ross River Dam and above)



Waterway	Code	Waterway	Code
Round Mountain Ck	44	Six Mile Creek	54
Lagoon Creek	45	Jimmys Lagoon	55
Plum Tee Creek	46	Flagstone Creek	56
Central Creek (Ross Creek)	47	Lansdowne Creek	57
Sandy Creek	48	Toonpan Lagoon	58
Spring Creek	49	Antill Plains Creek	59
Deep Creek	50	Sachs Creek	60
Leichhardt Creek	51	Blacksoil Gully	61
Cattle Creek	52	Lake Ross (Ross Dam)	RD
Ross River	53		