

Black / Ross Water Quality Improvement Plan (WQIP)

Results from the Rural Areas Workshop - Wednesday 23 July 2008 (Bluewater)

Human Uses and Values of Waterways

Explanation

The following table shows the results of a workshop to identify human uses/values i.e. Environmental Values (EVs), for specific waterways (freshwater and estuaries) from Crystal Creek to Black River and the adjacent coastal and marine waters. Also included are the waterways that flow to the Ross Dam i.e. the Ross Dam catchment. The different human uses/values are shown across the top of the table (e.g. irrigation, stock watering, etc) with the results for each waterway included in the associated row.

The workshop proceeded through each row in the table with workshop facilitators recording waterway uses/values for waters listed in the left hand column of the table as nominated and agreed by workshop attendees. As a minimum human uses/values were identified for all rows with grey shading. Where there were similarities between waterways the human use/values were identified for a grouping of waterways with any exceptions to the human use/values noted for particular waterways.

Where any known future uses/values were identified these were also recorded. Unless there are two uses/values recorded separated by a forward slash (/) then the identified uses/values apply to both now and the future.












The level/importance of use was recorded as follows:












- H – High importance/use;
- M – Moderate importance/use;
- L – Low importance/use;
- ? – Further investigation required












Where the level of importance/use was undecided two values have been entered separated by a hyphen (-). Workshop attendees discussed the levels of importance of waterway uses/value before these were recorded.












A blank space was left where no waterway use/value was identified.












Columns that have been blacked out means the human uses are not applicable to that water type.












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											
Crystal Creek (Undeveloped)						L	L	M - H	H		H
Crystal Creek (Developed)	M	M	H		M	H	L - M	H	H		H
Lorna Creek (Undeveloped)						L	L	L			H
Lorna Creek (Developed)	M	M	H		M	H	L - M	H			H
Ollera Ck (Undeveloped)						L	L	L			H
Ollera Creek (Developed)	M	M	H		M	H	L - M	H			H
Scrubby Ck (Undeveloped)						L	L	L			H
Scrubby Creek (Developed)	M	M	H		M	H	L - M	H			H
Hencamp Ck (Undeveloped)						L	L	L			H
Hencamp Ck (Developed)	M	M	H		M	H	L - M	H			H
Rollingstone Ck (Undev.)						L	L	L			H
Rollingstone Ck (Developed)	M	L	H		M	H	L - M	H			H
Surveyors Ck						L	L	L			H
Wild Boar Creek						L	L	L			H
Station Creek						L	L	L			H

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
Saltwater Ck (Undeveloped)						L	L	L			H
Saltwater Creek (Developed)	M	L	H		M	H	M	M			H
Cassowary Ck (Undeveloped)						L	L	L			H
Cassowary Ck (Developed)	M	L	H		M	H	L - M	H			H
Leichhardt Ck (Developed)	M	L	H		M	H	M	M	L		H
Christmas Ck (Developed)	L	L	H		M	H	L - M	H			H
Sleeper Log Ck (Developed)	L	L	H		M	H	L - M	H			H
Bluewater Ck (Undeveloped)						L	L	M - H			H
Bluewater Ck (Developed)	M - H	M	H		M	H	H	H			H
Deep Creek (Undeveloped)						L	L	M - H			H
Deep Creek (Developed)	M - H	M	H		L	H	H	H			H
Althaus Creek (Undeveloped)						L	L	M - H			H
Althaus Creek (Developed)			H		L	H	H	H			H
Healy Creek				?				?			
Black River (Undeveloped)						L	L	L			H
Black River (Developed)	L		H		L	L					H
Scrubby Ck (Undeveloped)						L	L	L			H
Alice River (Developed)	L		H		L	L					H

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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
Estuaries											
Crystal Creek					H	M	M - H	H			H
Lorna Creek					H	M	M - H	H			H
Ollera Creek					H	M	M - H	H			H
Scrubby Creek					H	M	M - H	H			H
Hencamp Creek					H	M	M - H	H			H
Rollingstone Creek					H	L	H	H			H
Surveyors Creek					H	M	M - H	H			H
Wild Boar Creek					H	M	M - H	H			H
Station Creek					H	M	M - H	H			H
Saltwater Creek				H	H	L	H	H			H
Cassowary Creek					L	L	L	L			H
Leichhardt Creek					H	L	H	H			H
Christmas Creek					H	L	H	H			H
Two Mile Creek					H	L	H	H			H
Bluewater Creek					H	L	L	H			H
Deep Creek				?	?	?	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: 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
Healy Creek					H	L	H	H			H
Black River					H	L	M	L			H
Coastal/Marine Waters adjacent to the Black River Basin catchments											
Halifax Bay					H	M - H	H	H			H

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Freshwaters											
Ross River Basin (Ross River Dam and upstream)											
Lake Ross (Ross Dam)	L				L	L	L	M	H	M	M
Ross River (FrW)	L		M - H			L	L	L			H
Round Mountain Creek	L		M - H			L	L	L			H
Lagoon Creek	L		M - H			L	L	L			H
Plum Tee Creek	L		M - H			L	L	L			H

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Central Creek (also known as Ross Creek)	L		M - H			L	L	L			H
Sandy Creek	L		M - H			L	L	L			H
Spring Creek	L		M - H			L	L	L			H
Deep Creek	L		M - H			L	L	L			H
Leichhardt Creek	L		M - H			L	L	L			H
Cattle Creek	L		M - H			L	L	L			H
Six Mile Creek	L	L	M					L			H
Toonpan Lagoon	L	L	M					L			H
Jimmys Lagoon	L	L	M					L			H
Four Mile Creek /Flagstone Creek	L	L	M					L			H
One Mile Creek/Spring Creek/Lansdowne Creek	L	L	M					L			H
Antill Plains Creek	L	L	M					L			H
Sachs Creek						L	L	M			H
Blacksoil Gully/Mt Stuart						L	L	L			H

Additional comments

Crystal Creek	Above water supply intake. Old bullock tracks and tin mining infrastructure etc for cultural. Moodys farm drinking (dev).
Saltwater Creek	Variations: See below Sleeper Log Creek Weir on Blue Mtn Dr used for irrigation Defunct aquaculture ponds on Sleeper Log estuary. Old brick works near Christmas Ck above junction with Sleeper Log, now used as dump for green waste etc
Bluewater Ck (FrW Devel)	Weir downstream of hway used for veges and nursery. Estuary 2 nd rec lack of boat ramps
Deep Creek (Estuary)	Two aquaculture projects in the area including one effort to farm mangrove jack
Healy Creek	Small weir previously irrigation for a butterfly farm Burong Park
Black River	Report done on Black River by Vern V which he would share (Chris to follow up)
Black River	QNI has a licence to take water from Black River but main source of water is bore
Halifax Bay	Carol H to see if coral collection permits are current around Acheron Island
<u>Lake Ross (Ross Dam)</u>	Cobb and Co coach tracks plus indigenous cultural heritage