

Black / Ross Water Quality Improvement Plan (WQIP)

Results from the Urban and Rural Residential Workshop - Thursday 24 July 2008 (Annandale)

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 Bohle River to Cape Cleveland and the adjacent coastal and marine waters. 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)											
Ross River Basin (east)											
Alligator Ck (Undeveloped)	L?					H	H	H	L?		H
Alligator Creek (Developed)	L - M	M	L	?	L - M	L	L - M	L - M	L		H
Whites Creek	L		L		L	L	L - M	L - M			H
Slippery Rocks Creek	L		L		L	L	L - M	L - M			H
Crocodile Creek	L		L		L	L	L - M	L - M	L		H
Killymoon Creek	M		L		L	L	L - M	L - M	L		H
Cape Cleveland						L	L	L			H
Stuart Creek (Mt Stuart ephemeral)	L	L	L			L		L			H
Stuart Creek (ephemeral to estuary i.e. includes pools)	L	L	L		M	L	M	L - M			H
Sandfly Creek			L			L	L	M			H
Ross River Basin (west)											
Bohle River (above Condon STP)	L	L	L	?	L	L	L	L		?	H
Bohle River (below Condon STP)	L	L	L		M	M/H	M/H	M/H			H
Little Bohle River	L		L		L	L	L	M			H

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	 (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
Middle Bohle Creek	L		L		L	L	L	M			H
Stoney Creek	L		L		L	L	L	M			H
Saunders Creek	L		L		L	L	L	M			H
Louisa Creek					L		L	L			H
Town Common							L - M	H			H
Pallarenda					H		H	H			H
Ross River Basin (below the Ross River Dam)											
Ross River (below the Dam)	M	L			H	H	H	H			H
<u>Ross River Weir Pools (All)</u>	M				H	H	H	H			H
<u>Ross River (Black Weir)</u>	H				H	H	H	H	H		H
<u>Ross River (Gleesons Weir)</u>	L				H	H	H	H			H
<u>Ross River (Aplins Weir)</u>	L				H	H	H	H			H
Tributaries from Defence land					L	L	L	L			H
University (Campus) Creek					L	L	L	M			H
Lavarack Barracks Creek with weirs					L	L	L	M			H
Ross Creek and tributaries					H	L	L	H			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
Estuarine Waters											
Alligator and Stuart sub basins				L	H	L	H	H			H
Bohle sub basin (upper)					M		M	L - M			H
Bohle sub basin (lower)					H		H	H			H
Louisa Creek					M		M	M			H
Ross sub basin					H		H	H		?	H
Coastal/Marine Waters adjacent to the Ross River Basin catchments											
All coastal marine					H	H	H	H			H

Additional comments

Freshwater	
Alligator Ck (Undeveloped)	NP area. Water drawn from stream for NP camping area is it used for irrigation and or drinking water.
Alligator Ck	Question about presence of small aquaculture enterprise. Need to check.
Crocodile	Freshwater component mainly from Killymoon. Campers may use it for drinking
Cape Cleveland	20 huts near the water and no road access so relatively untouched.
Stuart Creek (ephemeral to estuary i.e. includes pools)	Mouth is now Little Sandfly Creek. Flows between Sandfly and Stuart Creek to Ross River modified through irrigation/drainage channel creek diversion
Bohle River (above Condon STP)	Golf course above Dalrymple Rd source of water for irrigation. Quarry source of water below Herveys Range Road. Source of water for aquaculture
Bohle River (below Condon STP to salt 1 km above hwy)	Future use increasing due to growing population. Reticulated water so no industrial use etc and irrigation and other use via riparian access
Louisa Creek	Channel undefined below Blakeys Crossing. Flows into Little Snaggy then Bohle.
Pallarenda	Three Mile Creek popular fishing spot
Ross River	Irrigation based on riparian rights and pumping from river. May be an increase during dry periods pumping from weir pools.
Tributaries from Defence land	e.g. Hellhole Creek. Public use is prohibited and occurs occasionally
Ross Creek	The Lakes and Ross River (below Aplins) included in estuaries
Estuaries	
Alligator and Stuart sub basin	One inactive in Crocodile Creek and a prawn farm on right bank of creek 3 ha (3 ponds)
Ross sub basin	Aquarium takes water occasionally and trawlers use water for washing decks Ross Creek. Port area may also use water from Ross Creek estuary
Cleveland Bay	Rock Pool extracts water and treats it for swimming pool on the Strand