

























Table : Waterway uses/values in the **Lower Fitzroy catchment**
(based on results from Rockhampton stakeholder workshop, held 4 February 2010)













	Waterway uses/values for Lower Fitzroy waterways (✓ = present ✗ = absent) H = High M = Medium L = Low)											
Waterway	Aquatic Ecosystem  (e.g. cotton irrigation)	Irrigation  (e.g. fruit packing, milking sheds)	Farm use  (e.g. cattle)	Stock watering  (e.g. barramundi, red claw farm)	Aquaculture  (e.g. of wild or stocked fish, shellfish)	Human consumer  (fully immersed in water e.g. swimming, snorkelling)	Primary recreation  (possibly splashed with water, e.g. sailing, fishing)	Secondary recreation  (no contact with water, e.g. picnic, bush walking)	Visual appreciation  (raw water supplies taken from river for drinking)	Drinking water  (e.g. power generation, manufacturing)	Industrial use  (e.g. traditional lore and customs)	Cultural and spiritual values 
LOWER FITZROY - undeveloped	✓	✗	✗ - ✓?	✓ (L)	✗	✓ (L)	✓	✓	✓	✓ (L) (Hikers)	✗ - ✓? (some mines extract from undeveloped waters, Marlborough Nickel)	✓
1 – Fitzroy Western tributaries (incl. Develin, Marlborough, Melaleuca, Redcliffe, Ten Mile Cks) – excl. main Fitzroy channel.	✓	✗ - ✓? (mainly from bores?)	✓	✓	✗	✓	✓	✓	✓	✓ (L) (Hedlow Ck)	✓? (Crystalfeys Mine?)	✓
2 – Fitzroy Eastern tributaries (incl. Alligator, B K, Bills, Canal, Daly, Etna, Hedlow, Jennet, Limestone, Maryvale, Nankin, Ramsay, Sutherland Cks) – excl. main Fitzroy channel, urban stretches and tidal areas.	✓	✓	✓	✓	✓ (x 6 possibly inactive)	✓	✓	✓	✓	✓ (Hedlow Ck)	✓? (Limestone Ck, QMag uses city supply)	✓

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Waterway uses/values for Lower Fitzroy waterways
 (✓ = present ✗ = absent) H = High M = Medium L = Low)

Waterway	Aquatic Ecosystem 	Irrigation  (e.g. cotton irrigation)	Farm use  (e.g. fruit packing, milking sheds)	Stock watering  (e.g. cattle)	Aquaculture  (e.g. barramundi, red claw farm)	Human consumer  (e.g. of wild or stocked fish, shellfish)	Primary recreation  (fully immersed in water e.g. swimming, snorkelling)	Secondary recreation  (possibly splashed with water, e.g. sailing, fishing)	Visual appreciation  (no contact with water, e.g. picnic, bush walking)	Drinking water  (raw water supplies taken from river for drinking)	Industrial use  (e.g. power generation, manufacturing)	Cultural and spiritual values  (e.g. traditional lore and customs)
3 – Urban Creeks (incl. Moores, Limestone, Frenchmans, Thozet, Lakes, Splitters Ck) – excl. tidal areas.	✓	✓ (L) (Acreages near Limestone Ck – lawns)	✗ (meatworks has dam in tributary as well as town water source)	✓ (L)	✗	✓	✓	✓	✓	✗	✓ (meatworks dam in tributary, Lakes Ck)	✓
4 – Fitzroy South/Central tributaries (incl. Gogango, Moah, Two Mile, Middle, Deep, Louisa, Ridgeland, Limestone, Lion, McGinley, Neerkol, Oakey, Poison, Station, Swan, Tea Tree Cks – excl. main Fitzroy channel and tidal areas.	✓	✓	✓	✓	✓ (L) (x2, 1 possibly inactive)	✓	✓	✓	✓	✓ (L) (most are on rainwater)	✓ (Pinklilly Sands gravel works)	✓
5 – Fitzroy lower estuarine creeks (incl. Casuarina Ck)	✓	✗	✗	✗ (dry times) ✓ (flood times –main channel)	✗ - ✓? (? Re any brine shrimp culture in salt works)	✓ (Crabs)	Stakeholders = ✗ ✓? TO response = ✓	✓	✓	Stake-holder = ✗ TO response = ✓	✓ (salt works)	✓

Waterway uses/values for Lower Fitzroy waterways
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Waterway	Aquatic Ecosystem 	Irrigation  (e.g. cotton irrigation)	Farm use  (e.g. fruit packing, milking sheds)	Stock watering  (e.g. cattle)	Aquaculture  (e.g. barramundi, red claw farm)	Human consumer  (e.g. of wild or stocked fish, shellfish)	Primary recreation  (fully immersed in water e.g. swimming, snorkelling)	Secondary recreation  (possibly splashed with water, e.g. sailing, fishing)	Visual appreciation  (no contact with water, e.g. picnic, bush walking)	Drinking water  (raw water supplies taken from river for drinking)	Industrial use  (e.g. power generation, manufacturing)	Cultural and spiritual values  (e.g. traditional lore and customs)
6 – Fitzroy main channel - above barrage (up to top of catchment) (including Eden Bann weir, Fitzroy barrage)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ (H)	✓ (H)	✓
7 – Fitzroy main channel - below barrage, i.e. estuarine (incl. tidal areas of tributaries) (need to refine boundaries of sub catch – include Broadmeadows with river mouth)	✓	✗	✗	✗ (dry times) ✓ (flood events) (ponded pasture use?)	✓	✓	Stakeholders = ✗ - ✓? TO response= ✓	✓	✓	Stakeholders = ✗ ✓? TO response= ✓	✗	✓
8 – Raglan Ck and tributaries (incl. 12 Mile, Besch, Branch, Cattle, Connor, Digger, Dingo, Five Mile, Horrigan, Hut, Inkerman, Langmorn, Larcom Vale, Oaky, Pelican, Perry, Raglan, Reedy, Six Mile, Tea Cks). - excl. tidal areas. Add 8 Mile Ck	✓	✓	✓	✓	✓ (L)	✓	✓	✓	✓	Stakeholders = ✗ TO response= ✓	✓ (licence from Bajool weir for industrial, Cheetham Salts and Bajool explosives plant)	✓

Waterway uses/values for Lower Fitzroy waterways
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9 – Raglan estuarine area (includes all tidal areas)	✓	✗	✗	✗	✓ (L)	✓	Stakeholders = ✗ TO response= ✓	✓	✓	Stakeholders = ✗ TO response= ✓	✓ (Port Alma uses estuarine water?)	✓
GROUNDWATERS (based on DERM interpretation of bores, licences after workshop, and similar inputs from other workshop)	✓	✓	✓	✓	✗	✗	? (any swimming pools?)	✗	✗	✓	?	✓

Traditional owner's (TO) responses were the same as the stakeholder responses unless otherwise indicated in blue. These are based on past and present cultural and spiritual values.

Notes:

1. EVs identified are for current waterway uses/values. During workshops, stakeholders were also invited to comment on known future waterway uses/values (e.g. already approved) that might change from current status. Any such future uses are identified in the relevant cells.
2. EVs are provided for surface and ground waters.
3. The aquatic ecosystem EV is selected for all waters. In principle, the aim for aquatic ecosystems is to maintain (and where possible improve) current condition. A separate table has been prepared to identify the high ecological value and slightly disturbed waterways in this catchment, using available information and stakeholder input.
4. For the “domestic” component of a “stock and domestic” water licence, a number of EVs may be relevant depending on the use e.g. “**irrigating**” if used to water lawns, etc; “**farm use**” if used to wash down sheds, fruit, etc.; “**drinking water**” if used for drinking; “**primary recreation**” if used for showers (with a similar risk of ingestion of water).
5. Stock watering is typically the “**stock**” component of a “stock and domestic” licence.
6. Where groundwaters are used as a source for filling swimming pools, this is captured under primary recreation.
7. Tourism water uses/values are captured under relevant EVs e.g. sightseeing (visual recreation), sailing (secondary recreation), swimming (primary recreation), etc.

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8. For industrial uses, the main intent was to identify specific industrial uses of water direct from waterways (rather than from town water supplies). Road works may also source water from waterways as required (e.g. dust suppression).