LAKE THERESA REVIEW 2024

INFORMATION RATING ⭐⭐

Stocking group: Clermont Fish Stocking Group Inc
Species stocked: Barramundi, Golden Perch, Saratoga
Stocking timeframe: 2007-2016
Fish timeframe: 2013-2019
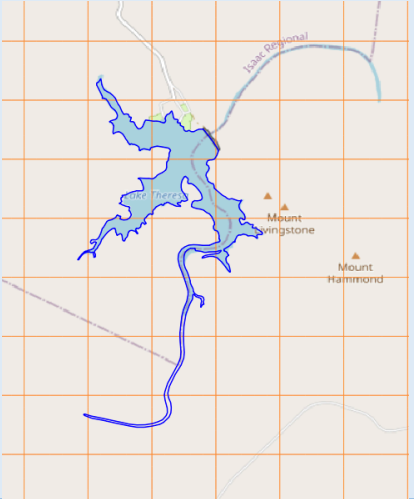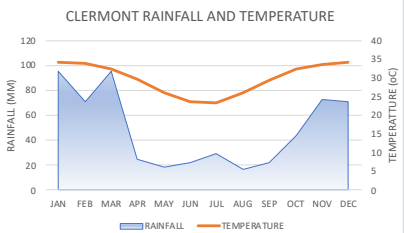Stocking Group Facebook: https://www.facebook.com/groups/429653063735459/about/

Lake Theresa is a small impoundment on Theresa Creek 20km south of Clermont. It is part of the Stocked Impoundment Permit Scheme and has been stocked with Barramundi and Golden Perch and a small number of Saratoga.
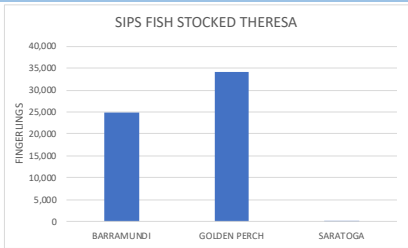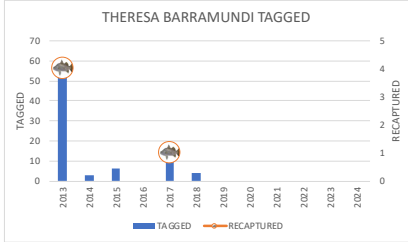
There is very little tagging data for this impoundment however there was a batch release of 848 tagged Barramundi in Nov 2007. Following this release there was a major flow in creek in 2008 and many of the fish left the impoundment. In 2008 and 2009 there were 5 of these fish recaptured in the pools below the dam wall.

In late 2009 there were 4 fish recaptured above Bedford Weir on the Mackenzie River around 220-230km downstream. Then in early 2010 the first recapture was made of a fish in the Fitzroy estuary. That was around 770km down river from where it was released. From that time a further 43 fish were recaptured in the Fitzroy estuary (750km), north along the coast to Corio Bay (850km), and south to Gladstone Harbour (835km). That is the most significant migration of tagged Barramundi recorded to date.

It was a coincidence that these fish were stocked just before the largest flow in Theresa Creek in Jan 2008 which allowed the fish to migrate from the lake and it seems likely that they made it all the way to the Fitzroy estuary on that or possibly subsequent flows.

The contribution of commercial fishers in the Fitzroy River and estuaries was important in this data collection as 86% of the estuarine recaptures were reported by commercial fishers. It also indicated that commercial fishers benefited from restocking in the Fitzroy River catchment.

Product of Infofish Australia   Supported by Suntag and FFSAQ

LAKE THERESA		LOCATION

MEASURE	ACTUAL	GRAPH
Lake Theresa **Grid map** **Clermont CLT**	Surface area 2.5km^2	

ENVIRONMENTAL		
Mean monthly rainfall (mm) **Mean monthly air temperature (oC)**	Rainfall Month mm Max Jan 95 Mar 95 Temp Month oC Max Nov-Feb 34	

FISH	ACTUAL	GRAPH or MAP
BARRAMUNDI		
STOCKING		
Fish stocked 2007-2016	Year Fingerlings 2007 Barramundi (tagged) 848 2009-2016 Barramundi 24875 Golden Perch 34147 Saratoga 47	
TAGGED		
Fish tagged All fish tagged and recaptured below dam wall 2013-2024	Year Tagged Recaps 2013 59 4 2014 3 2015 6 2017 19 1 2018 4 Total 91 5	

BATCH RELEASE TAGGED BARRAMUND 2007

TAGGED

Batch release tagged Barramundi Nov 2007	Barramundi tagged 848 Recaptured 55 (6.5%)	No lengths recorded when fish released Estimated 200-350mm

RECAPTURE LENGTHS

Fish recaptured from batch release Barramundi Nov 2007	Barramundi tagged 848 Recaptured in lake 2 (0.2%) Recaptures below dam wall 5 (0.6%) Recaptures elsewhere 48 (5.7%)	
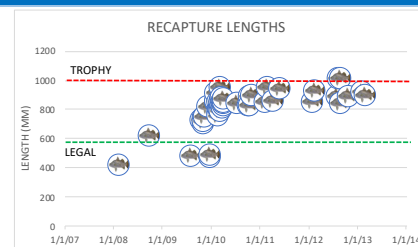
FLOW AND RECAPTURE TIMELINE

Recaptures from batch release of tagged fish Nov 2007 Below dam wall 4 fish Feb 08-Dec 09 Elsewhere 48 fish Nov 09-Mar 13		
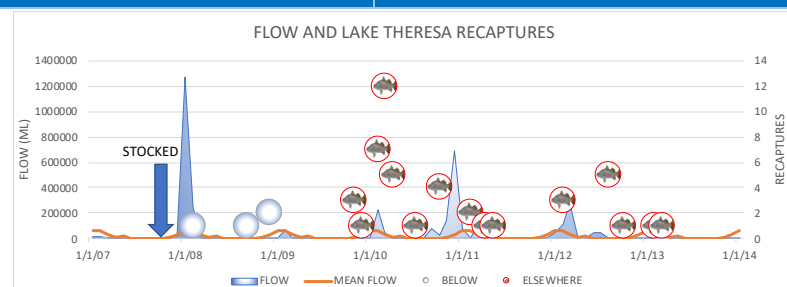
LOCATIONS

Locations Recaptures of tagged fish from 2007 release in lake	Recaptured elsewhere Nov 2009-Mar 2013 Recaptures 48 (5.7%)	

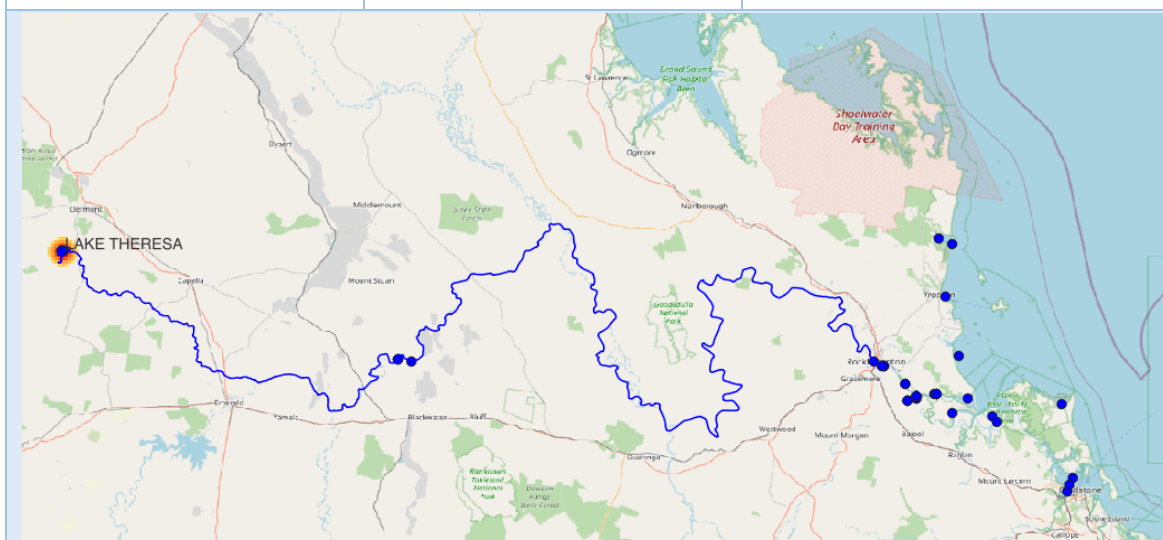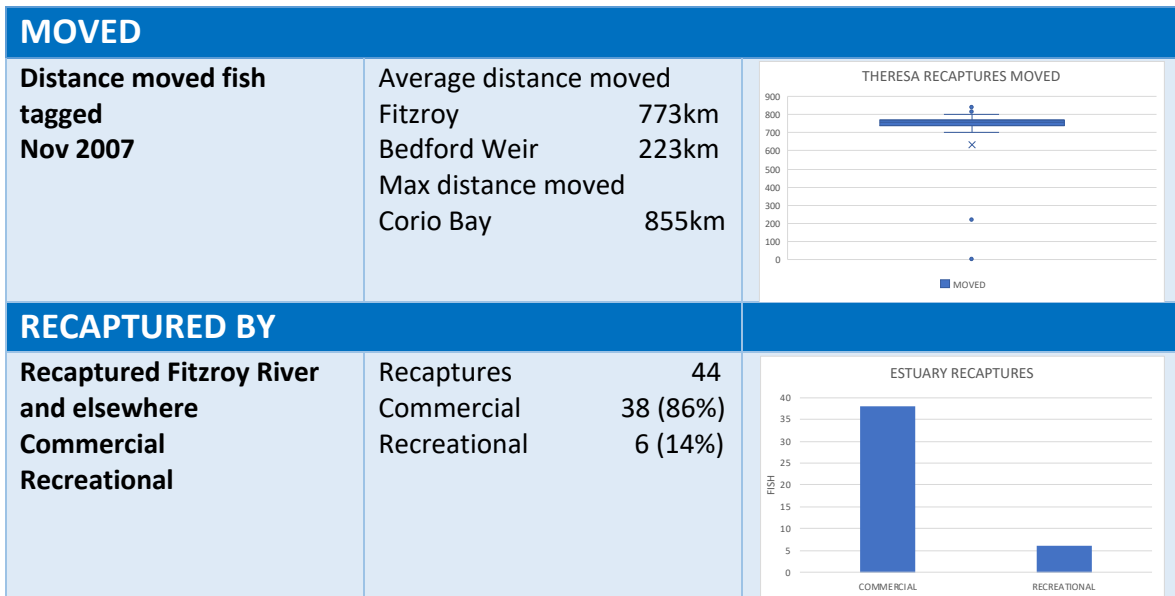| MOVED		
Distance moved fish tagged **Nov 2007**	Average distance moved Fitzroy 773km Bedford Weir 223km Max distance moved Corio Bay 855km	THERESA RECAPTURES MOVED
RECAPTURED BY		
Recaptured Fitzroy River and elsewhere **Commercial** **Recreational**	Recaptures 44 Commercial 38 (86%) Recreational 6 (14%)	ESTUARY RECAPTURES

DATA SOURCES

Data used in the Lake Theresa stocked Barramundi Crystal Bowl:

- Tag records and recapture records at http://crystalbowl.infofishaustralia.com.au/.
- Rainfall and temperature records from station 035124 Clermont Airport from http://www.bom.gov.au/climate/data/.
- Stocked fish records from https://www.data.qld.gov.au/dataset/queensland-freshwater-fish-stocking-records/ .