



LAKE ENOGGERA REVIEW 2024

INFORMATION RATING



Stocking group: Brisbane Valley Anglers Fish Stocking Association

Species stocked: Australian Bass, Mary River Cod

Stocking timeframe: 2016-2024 Fish timeframe: 2020-2024 Fisher timeframe: 2020-2024

Lake Enoggera was first stocked in 2016 and since then there have been 25.9K Bass and 750 Mary River Cod released.

Tagging of Bass in Enoggera commenced in 2020 with 492 fish tagged to date. There have not been any recaptures in the lake.

The lake spilled during much of 2022 and reached 250% in March. Since then, there have been 12 recaptures below the dam. There were 4 fish recaptured immediately below the dam and returned to the lake. There has been 1 fish recaptured in the upper Brisbane River and 5 fish recaptured in the Bremer River at Ipswich, all within a few kms of each other and around 100km from where they were tagged. With no recaptures in the lake, it is possible/likely that there was a significant exodus of fish from the lake when it spilled.

The lake spilled again in 2024 and reached 135% in February. One fish tagged after the 2022 spill has been recaptured below the dam wall.

There appears to be a substantial exodus of fish from the lake when it spills. This is supported by the lack of recaptures in the lake, recaptures of fish further afield, increased tagging of fish in Enoggera Creek, and the lack of larger fish tagged in the lake.

There have been no recordings of Mary River Cod from the impoundment although they were able to be tagged from 2023.





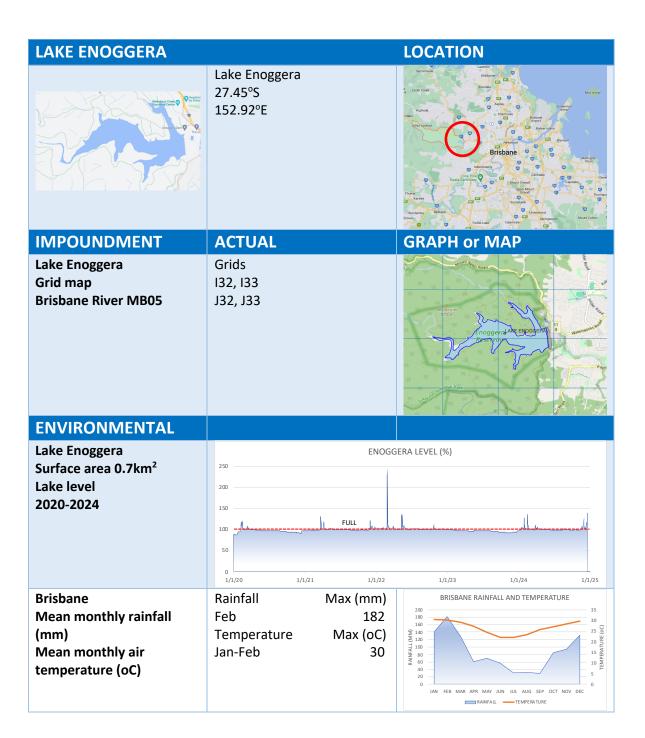




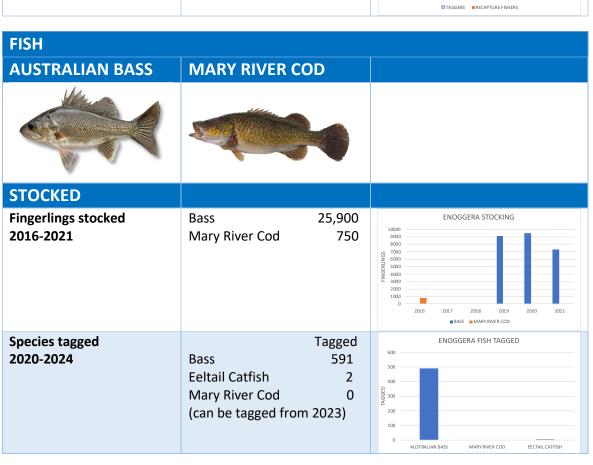


Product of Infofish Australia

Supported by Suntag, FFSAQ and BVA



FISHERS	ACTUAL	GRAPH or MAP					
DATA RELIABILITY							
Sample size (days fished) Tag days (blue arrow) Recaptures (orange arrow) Confidence % Error % 2020-2024	Reliability level Samples 10 Confidence Error	80% 20%	80% 10%	90% 10%	MODERATE 271 90% 5%	384 95% 5%	HIGH 664 99% 5%
ACTIVITY							
Fisher activity Taggers Month Days fished (94) 2020-2024	Days fished Taggers	Nov Oct Dec	94 19% 14% 13%	25% — 20% — 4 15% — 4 15% — 4 10% — 4 15% — 4 10% — 4	ENOGGERA FISH		
Fisher activity Taggers Weekdays Days fished (94) 2020-2024	Days fished Taggers	Weekend Weekdays	94 34% 66%	30% 25% 20% 15% 10% 5% 0% MON		THU FRI BRECAPTURE FISHERS	TIVITY SAT SUN



AUSTRALIAN BASS



DATA RELIABILITY

Sample size (fish/year)
Tagged (blue arrow)
Recaptured (orange
arrow)
Confidence %
Error %
2020-2024

Reliability level	LOW		MODERATE	MODERATE		HIGH
Samples	10	41	68	271	384	664
Confidence	80%	80%	90%	90%	95%	99%
Error	20%	10%	10%	5%	5%	5%
		•		,	,	

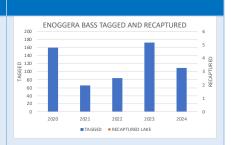
TAGGED

Bass tagged and recaptured 2020-2024

Tagged
2020 2021 2024
160 66 109
Recaptured
Lake Below
0 13
Recaps below lake returned

4

to lake



EFFORT

Fish tagged and days fished 2020-2024

High Now Low Fish tagged 2020 2021 2024 160 66 109 Days fished 2020 2021 2024 21 17 19

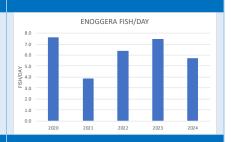


TAG RATE

Tag rate Fish/day 2020-2024 High Low Now Fish/day 2020 2021 2024 7.6 3.9 5.7

6.3

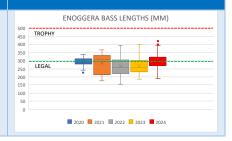
5 year average



LENGTHS

Average length (mm)
Bars show length range
Dots show outliers
2020-2024

High Low Now Average length 2020 2022 2023 292 265 294 Max 2022 2020 2023 395 340 430



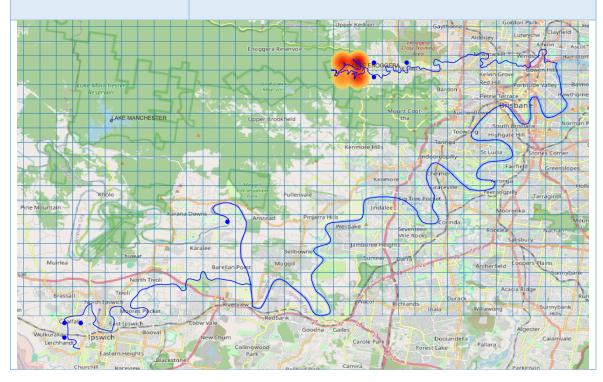
LOCATIONS

Locations Tagged Recaptured 2020-2024 Tagged fish 591 Recaptured in lake 0



LOCATIONS BELOW DAM

Tagged fish (red-orange heat map) Recaptured fish below dam (blue dots) 13 2020-2024 Enoggera Creek 7 Brisbane River 1 Bremer River 5



Data sources

Data used in the Lake Enoggera Crystal Bowl are:

- Tag records and recapture records for the impoundments at http://crystalbowl.infofishaustralia.com.au/
- Dam level data from SEQwater at https://www.seqwater.com.au/historic-dam-levels
- Rainfall and temperature records from Station 040913 Brisbane http://www.bom.gov.au/climate.
- Stocked fish records from Brisbane Valley Anglers Fish Stocking Association.

Basis for analysis

- Data reliability for fishers based on the sample size over the past 5 years for days fished by taggers and by fishers recapturing fish.
- Data reliability for fish based on average number of fish tagged and recaptured over the past 5 years.
- Catch rates calculated as number of fish tagged/days fished.
- Undersized Bass are <300mm, legal fish are >=300 and <500mm and trophy fish are >=500mm.
- Locations based on Infofish grid map MB05 for the impoundment and other grid maps where fish were recaptured outside the impoundment.