

LAKE ENOGGERA REVIEW 2025

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

SEQwater link: <https://www.seqwater.com.au/things-to-do/enoggera-reservoir-walkabout-creek-foreshore>

Scroll through the dashboard to cover all subjects or for information on a specific subject go to:

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LAKE ENOGGERA OVERVIEW

Summary for 2025

- Tagging in lake Enoggera commenced in 2020 with 693 fish tagged to date.
- There have been no recaptures in the lake however there have been 18 recaptures of fish from below the dam and elsewhere.


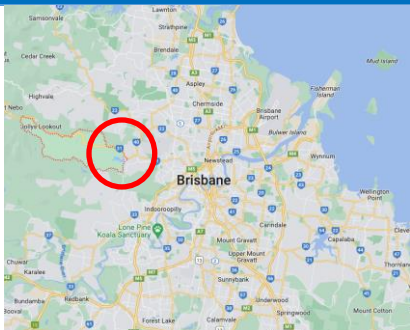
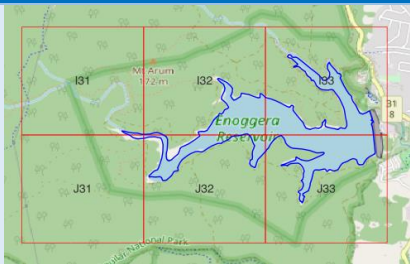
Lake Enoggera is a small lake on Enoggera Creek west of Brisbane that was first stocked in 2016 and since then there have been 37,400 Bass and 750 Mary River Cod released to end 2024.

Due to its small size the lake spills almost every year and 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.

The lake spilled during much of 2022 and reached 244% in March. Since then, there have been 18 recaptures below the dam and elsewhere. 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 6 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 were significant escapements of fish from the lake when it spilled.

The lake spilled in Feb 2024 and reached 135% and again in Dec at 199%. Two fish tagged after the 2022 spill were recaptured below the dam wall after the 2024 spills.

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

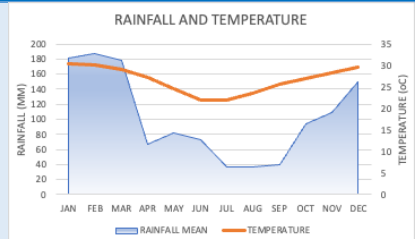
LAKE ENOGGERA LOCATION			
		<p>Lake Enoggera</p> <p>27.45°S</p> <p>152.92°E</p>	
			
LAKE			
<p>Lake Enoggera</p> <p>Grid map</p> <p>Enoggera LEN</p>		<p>Surface area</p> <p>0.7km²</p>	

ENVIRONMENTAL CONDITIONS

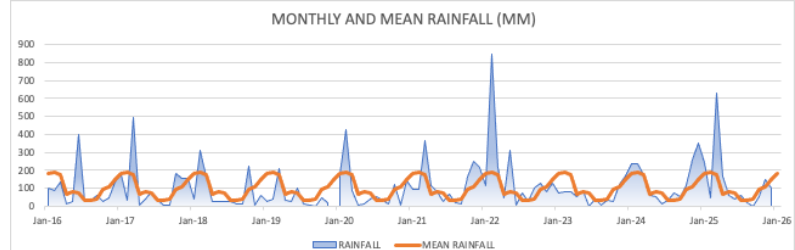
Brisbane
Mean monthly rainfall
(mm)
Mean monthly air
temperature (°C)

Rainfall
Feb
Temperature
Dec-Feb

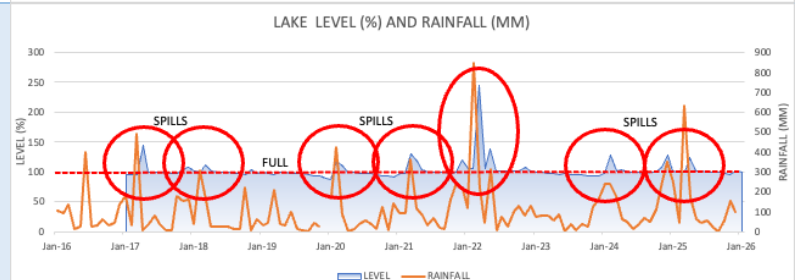
Max (mm)
187
Max (°C)
30



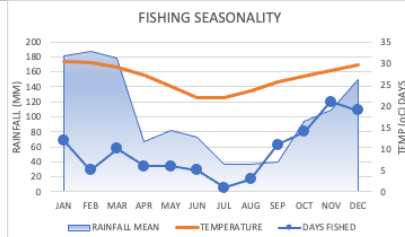
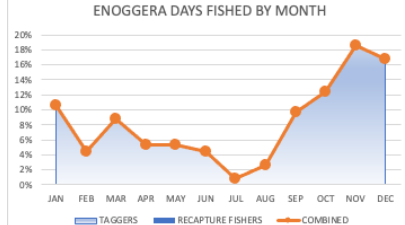
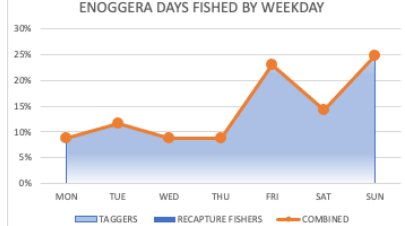




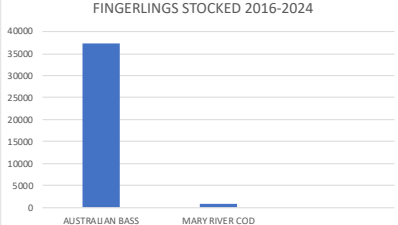
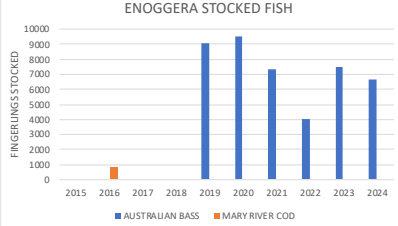
Monthly rainfall (mm) and
mean monthly rainfall
2016-2025

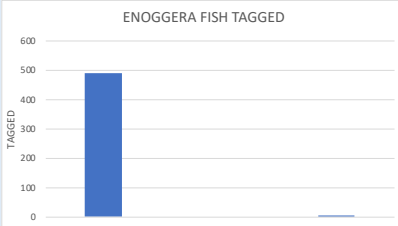
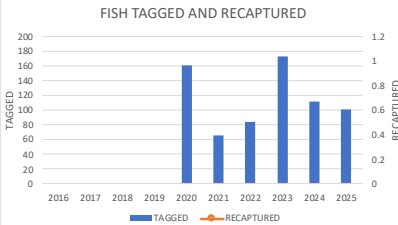
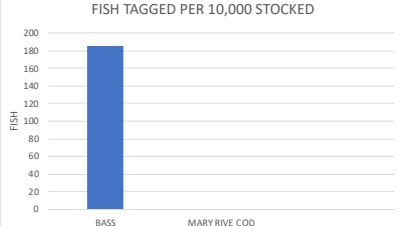


Lake level (%)
Monthly rainfall (mm)
Spills
Most years
2022 largest (244%)



FISHERS																																	
DATA RELIABILITY																																	
Sample size (days fished) Tag days (blue arrow) Recaptures (orange arrow) Confidence % Error % 2021-2025	<table><tr><td>Reliability level</td><td colspan="2">LOW</td><td colspan="2">MODERATE</td><td>MODERATE</td><td colspan="2">HIGH</td></tr><tr><td>Samples</td><td>10</td><td>41</td><td>68</td><td>271</td><td>384</td><td>664</td></tr><tr><td>Confidence</td><td colspan="2">80%</td><td colspan="2">80%</td><td>90%</td><td colspan="2">95%</td></tr><tr><td>Error</td><td colspan="2">20%</td><td colspan="2">10%</td><td>10%</td><td colspan="2">5%</td></tr></table>		Reliability level	LOW		MODERATE		MODERATE	HIGH		Samples	10	41	68	271	384	664	Confidence	80%		80%		90%	95%		Error	20%		10%		10%	5%	
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FISHER ACTIVITY																																	
Fishing seasonality	Months most fished																																
Taggers	Nov																																
Month	Dec																																
Days fished (113)	Oct																																
2020-2025	Months least fished																																
	Jul																																
	Aug																																
Fisher activity	Days fished 113																																
Taggers	Taggers	Nov 19%																															
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Enoggera days fished by month																																	
Fisher activity	Days fished 113																																
Taggers	Taggers	Weekend 39%																															
Weekdays		Weekdays 61%																															
Days fished																																	
2020-2025																																	

FISH STOCKED		
AUSTRALIAN BASS	MARY RIVER COD	
		
STOCKED		
Fingerlings stocked 2016-2024	Bass 37,400 Mary River Cod 750	 <p>FINGERLINGS STOCKED 2016-2024</p>
Fingerlings stocked by year 2016-2024		 <p>ENOGGERA STOCKED FISH</p>

TAGGED		
Species tagged Eeltail Catfish (native not stocked) 2020-2025	Bass 691 Eeltail Catfish 2 Mary River Cod 0 (can be tagged from 2023)	 <p>ENOGGERA FISH TAGGED</p>
Fish tagged and recaptured by year 2020-2025	Tagged 693 Recaptured in lake 0 Recaptured below 18	 <p>FISH TAGGED AND RECAPTURED</p>
Fish tagged per 10,000 fingerlings stocked	Bass 185 Mary River Cod 0	 <p>FISH TAGGED PER 10,000 STOCKED</p>

AUSTRALIAN BASS



DATA RELIABILITY

Sample size (fish/year)

Tagged (blue arrow)

Recaptured (orange arrow)

Confidence %

Error %

2021-2025

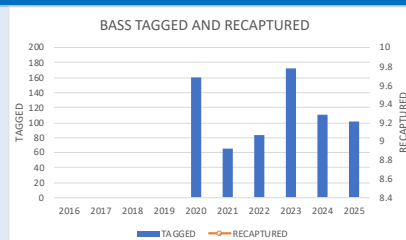
Reliability level	LOW		MODERATE		MODERATE		HIGH	
Samples	10	41	68	271	384	664		
Confidence	80%	80%	90%	90%	95%	99%		
Error	20%	10%	10%	5%	5%	5%		



TAGGED AND TAG RATE

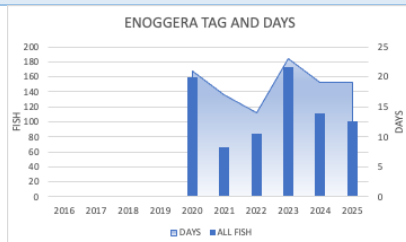
Bass tagged and recaptured
2020-2025

Tagged	2020	2021	2025
	160	66	101
Recaptured			
Lake		Below	
	0	18	



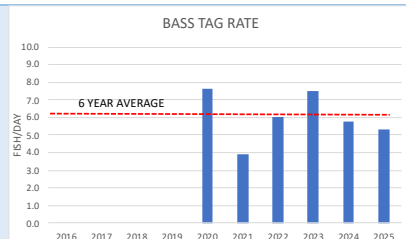
Fish tagged and days fished
2020-2025

High	Low	Now
Fish tagged		
2023	2021	2025
172	66	101
Days fished		
2023	2022	2025
23	14	19



Tag rate
Fish/day
2020-2025

High	Low	Now
Fish/day		
2020	2021	2025
7.6	3.9	5.3
5 year average		
		6.1



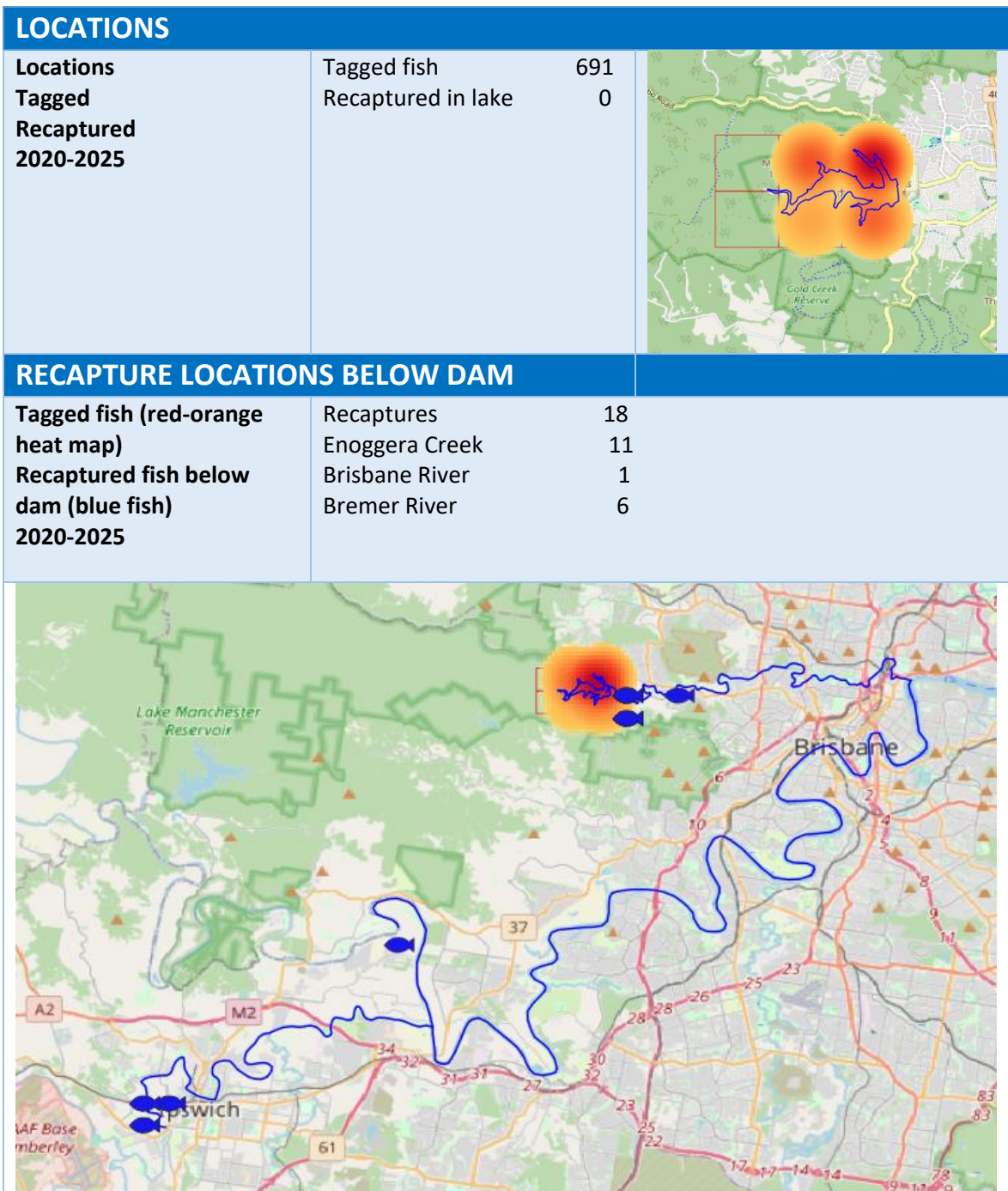
LENGTHS					
Average length (mm) Bars show length range Dots show outliers 2020-2025	High	Low	Now		
	Average length				
	2020	2024	2025		
	292	258	297		
	Max				
	2024	2020	2025		
	430	340	420		
Fish lengths percentage Undersize <300mm Legal 300-500mm Trophy 500+mm 2020-2025	High	Low	Now		
	Legal-trophy				
	2021	2024	2025		
	58%	19%	45%		
	Trophy				
	No trophy fish in any year				


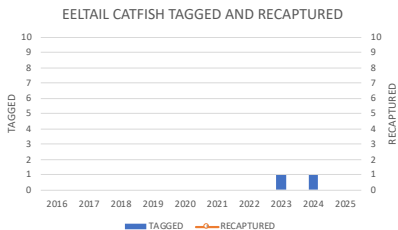
BASS LENGTHS (MM)


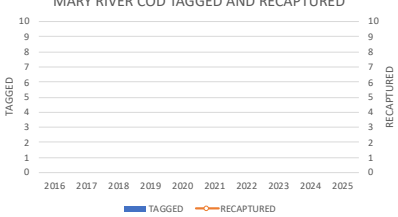
Legend: 2016 (blue), 2017 (red), 2018 (grey), 2019 (yellow), 2020 (light blue), 2021 (green), 2022 (dark blue), 2023 (brown), 2024 (dark grey), 2025 (gold)

BASS LENGTHS

Legend: UNDERSIZE (blue), LEGAL (yellow), TROPHY (green)



EELTAIL CATFISH																																			
																																			
TAGGED																																			
Fish tagged 2020-2025	Fish tagged 2	 <p>EELTAIL CATFISH TAGGED AND RECAPTURED</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Tagged</th> <th>Recaptured</th> </tr> </thead> <tbody> <tr><td>2016</td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>0</td><td>0</td></tr> <tr><td>2021</td><td>0</td><td>0</td></tr> <tr><td>2022</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>2</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>2</td></tr> <tr><td>2025</td><td>0</td><td>0</td></tr> </tbody> </table>	Year	Tagged	Recaptured	2016	0	0	2017	0	0	2018	0	0	2019	0	0	2020	0	0	2021	0	0	2022	0	0	2023	2	0	2024	0	2	2025	0	0
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MARY RIVER COD																																			
																																			
CAUGHT																																			
Fish tagged or recorded 2016-2025	Fish recorded 0	 <p>MARY RIVER COD TAGGED AND RECAPTURED</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Tagged</th> <th>Recaptured</th> </tr> </thead> <tbody> <tr><td>2016</td><td>0</td><td>0</td></tr> <tr><td>2017</td><td>0</td><td>0</td></tr> <tr><td>2018</td><td>0</td><td>0</td></tr> <tr><td>2019</td><td>0</td><td>0</td></tr> <tr><td>2020</td><td>0</td><td>0</td></tr> <tr><td>2021</td><td>0</td><td>0</td></tr> <tr><td>2022</td><td>0</td><td>0</td></tr> <tr><td>2023</td><td>0</td><td>0</td></tr> <tr><td>2024</td><td>0</td><td>0</td></tr> <tr><td>2025</td><td>0</td><td>0</td></tr> </tbody> </table>	Year	Tagged	Recaptured	2016	0	0	2017	0	0	2018	0	0	2019	0	0	2020	0	0	2021	0	0	2022	0	0	2023	0	0	2024	0	0	2025	0	0
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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 records from Station 040976 Brisbane Botanical Gardens Mount Coot-tha 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 LEN for the impoundment and other grid maps where fish were recaptured outside the impoundment.