



LAKE LESLIE REVIEW 2025

INFORMATION RATING



Stocking group: Warwick District Recreational Fish Stocking Association

Species stocked: Golden Perch, Murray Cod, Silver Perch

Stocking timeframe: 2014-2022

Fish timeframe: 2016-2025

Fisher timeframe: 2023-2025

DPI Link: <https://www.qld.gov.au/recreation/activities/boating-fishing/rec-fishing/dams/stocked-impoundment-permits/locations?dam=leslie-dam>

LAKE LESLIE OVERVIEW

LAKE LESLIE LOCATION

FISHER ACTIVITY

FISHER EFFORT

FISHER TRAVEL

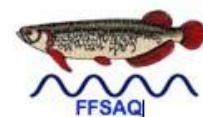
WHERE RECAPTURE FISHERS LIVE

STOCKED SPECIES

MURRAY COD

GOLDEN PERCH

SILVER PERCH



Product of Infofish Australia

Supported by Suntag and FFSAQ

LAKE LESLIE OVERVIEW

Summary for 2025

- Tagging in Lake Leslie has continued in 2025 with an additional 145 fish tagged and 12 recaptures.

Lake Leslie is regularly stocked by the Warwick District Recreational Fish Stocking Association with Murray Cod, Golden Perch and Silver Perch. From 2014-2022 there were 45,100 Murray Cod, 1.08 million Golden Perch and 55,000 Silver Perch fingerlings stocked.

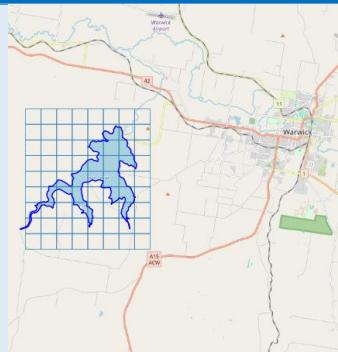
There was very little tagging effort in the lake prior to 2023 and that has increased since then. Interest was boosted by the inclusion of the lake in the SIPS 2.0 competition with 1 SIPS fish recaptured.

Almost all the Murray Cod tagged to date have been below the minimum legal length of 600mm while most of the Golden Perch tagged have been over the minimum legal length of 300mm. This is the only lake where there have been numbers of Silver Perch caught and tagged in the last few years.

The short period of tagging means that there is a limited history of recaptures and limited information available. That will improve if tagging is maintained over the next few years.

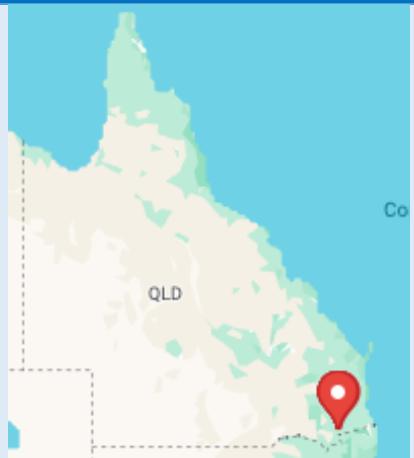
Based on where recapture fishers live Leslie is mainly fished by fishers from Warwick, Toowoomba, and to a lesser extent from Ipswich and Brisbane and other eastern centres.

LAKE LESLIE LOCATION



Lat
Lon

28.2°S
151.9°E

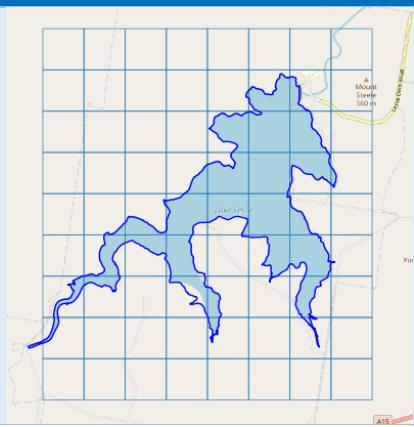


LAKE

Grid map

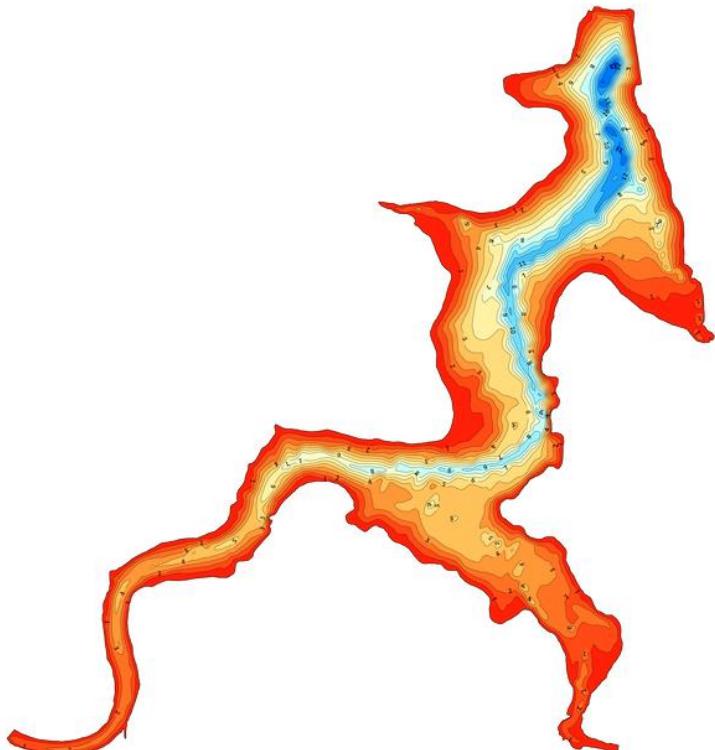
Lake Leslie LLW

Surface area 12.9km²

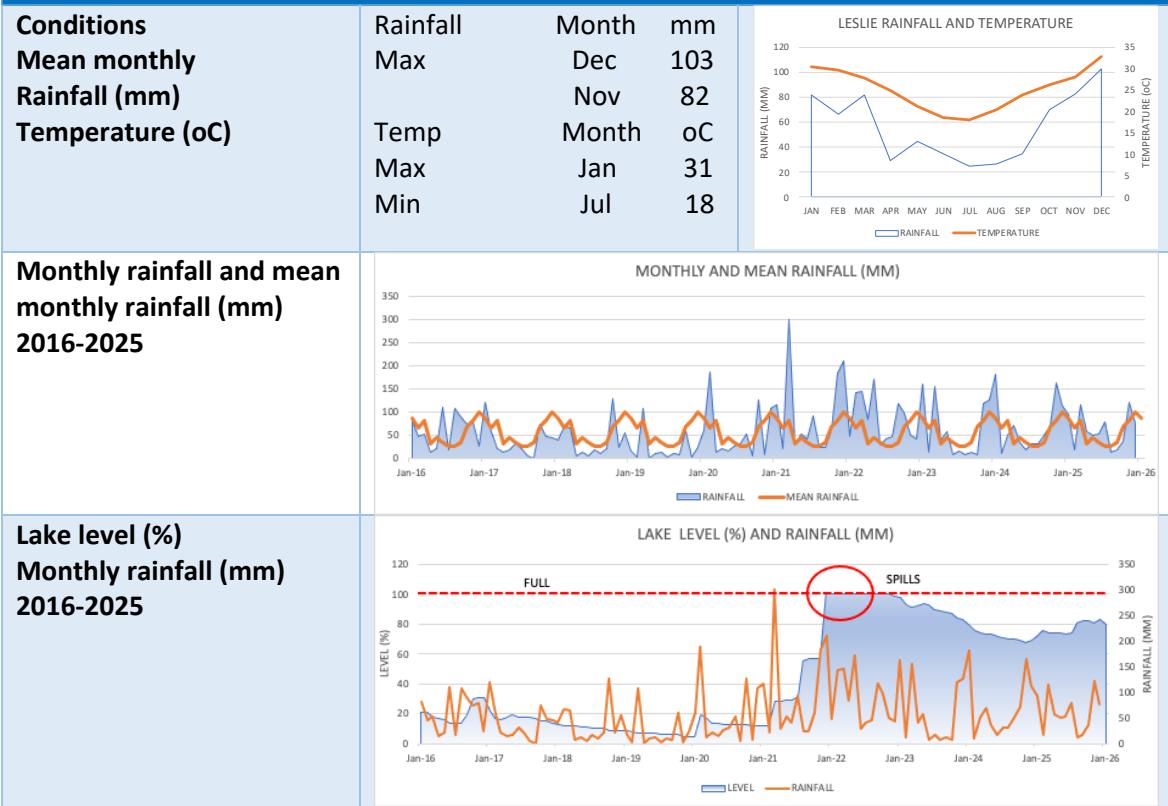


Bathymetry

(lake level very low)



ENVIRONMENTAL CONDITIONS



TYPE OF FISHERY

DATA RELIABILITY

Sample size (days fished)

Tag days (blue arrow)

Recaptures (orange arrow)

Confidence %

Error %

2021-2025

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



Seasonality

Mean temperature (oC)

Days fished

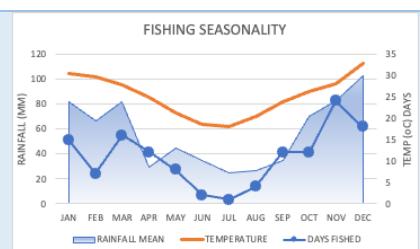
Taggers and recapture fishers combined

2021-2025

Months most effort

Most days

**Nov
Dec
Mar**



Harvest or experiential fishery

Fate of recaptured legal

Murray Cod

Golden Perch

2021-2025

Legal fish kept rate

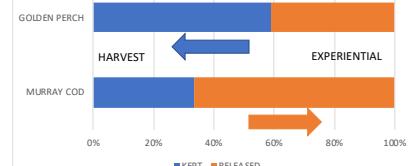
Murray Cod 1/3 (33%)

Golden Perch 10/17 (59%)

Caution: low numbers

Murray Cod

RECAPTURED LEGAL FISH FATE



Local or visitor fishery

Where recapture fishers live

2021-2025

Recapture fishers

36

Local

21 (58%)

Visitor

15 (42%)

TYPE OF FISHER



Gender of recapture fishers (ex-taggers)

2021-2025

Fishers

34

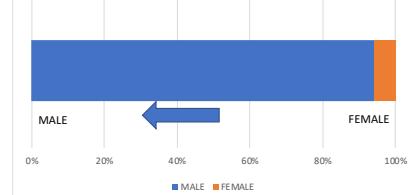
Female

2 (6%)

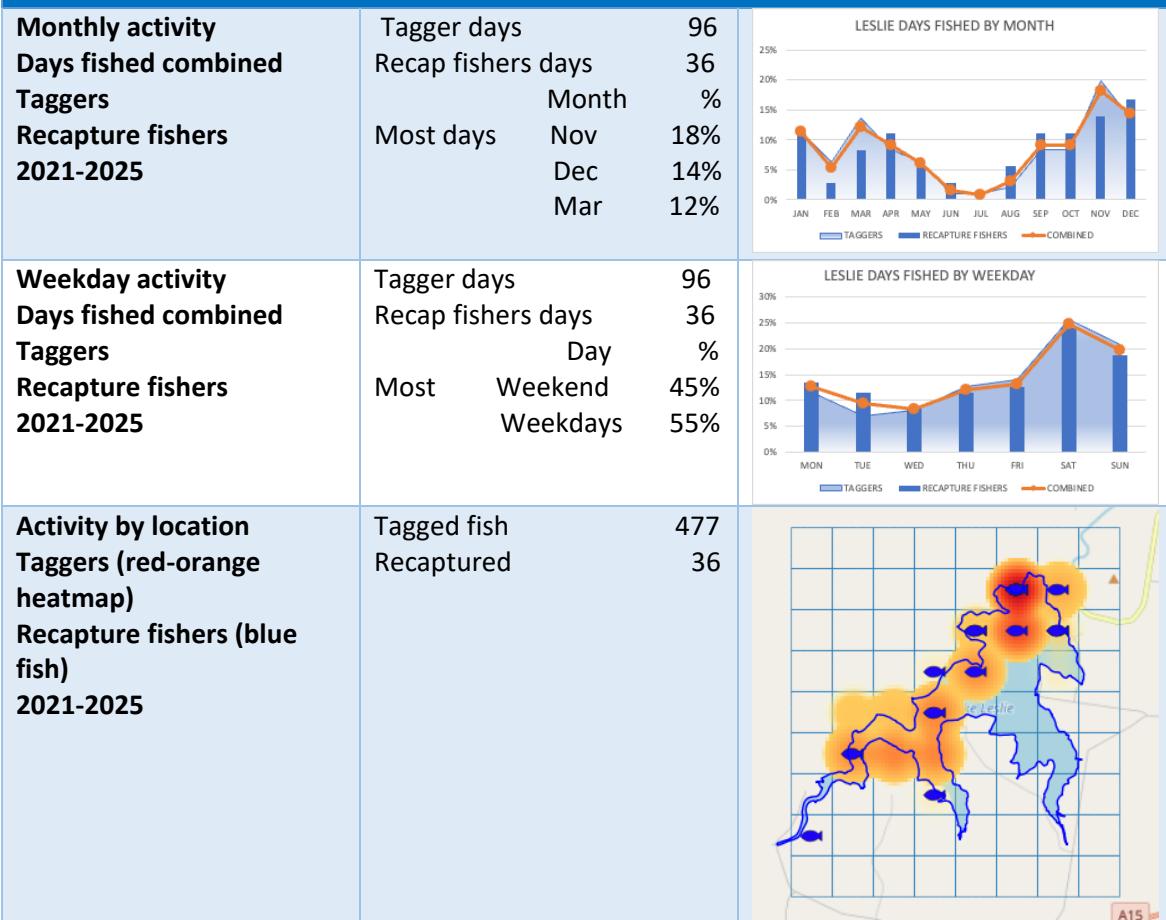
Male

32 (94%)

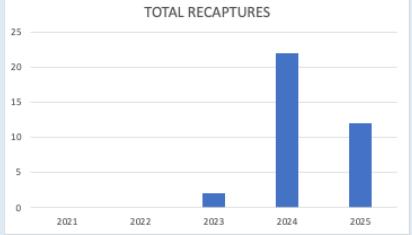
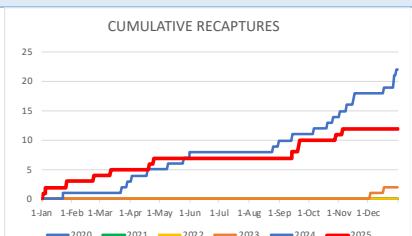
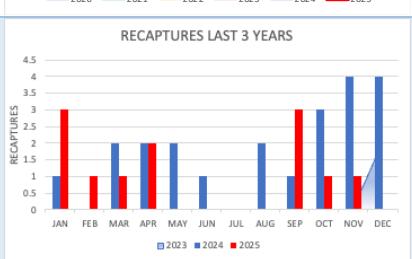
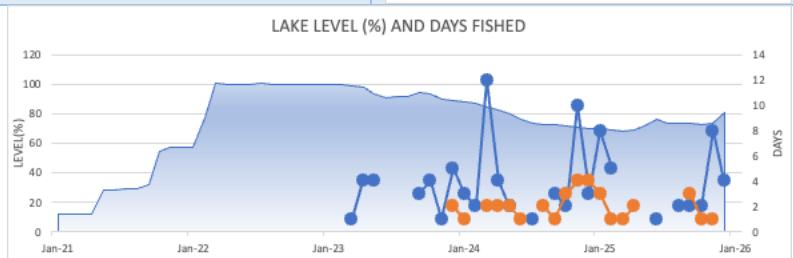
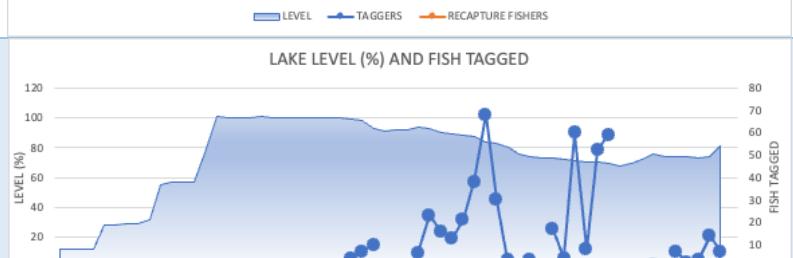
GENDER OF RECAPTURE FISHERS



FISHER ACTIVITY



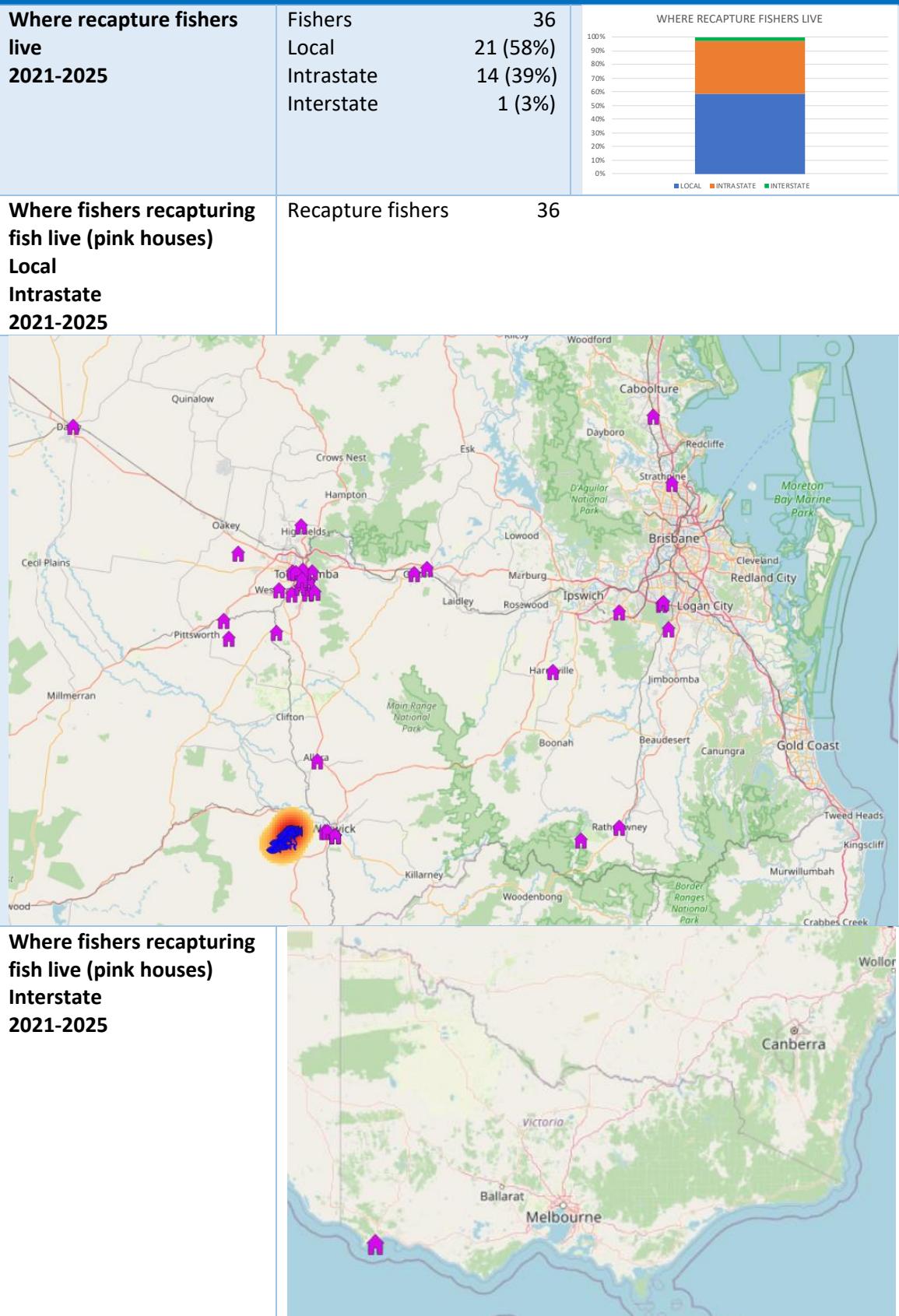
FISHER EFFORT

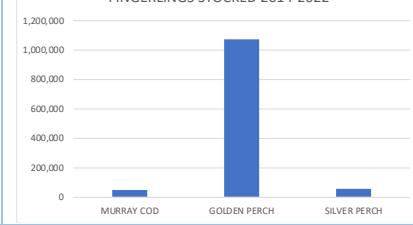
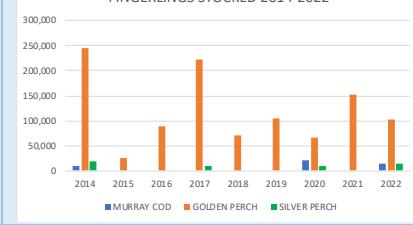
Total recaptures 2021-2025	Year	Recaps	
	2021	0	
	2022	0	
	2023	2	
	2024	22	
Cumulative recaptures 2021-2025			
Recaptures last 3 years 2023-2025			
Lake level (%) Days fished Taggers Recapture fishers 2021-2025			
Lake level (%) Fish tagged 2021-2025			

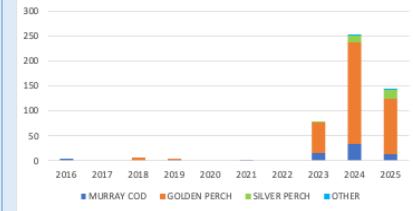
FISHER TRAVEL

Cumulative distance (km) home to recapture location 2021-2025	Year	Kms	<p>CUMULATIVE PROXY TRAVEL DISTANCE (KM)</p>
	2021	0	
	2022	0	
	2023	26	
	2024	3172	
	2025	947	
Distance (km) home to recapture location (ex-interstate) Bars show distance range Dots show outliers 2021-2025			<p>RECAPTURE FISHERS PROXY TRAVEL</p>
Distance (km) home to recapture location Bars show distance range Dots show outliers 2021-2025	Trips	36	<p>RECAPTURE FISHERS PROXY TRAVEL</p>
Local	10-78		
Intrastate	81-158		
Interstate	1476		
Proxy average travel distance (km) home to recapture location Local Intrastate Interstate 2021-2025	Trips	36	<p>RECAPTURE FISHER'S PROXY AVERAGE TRAVEL</p>
Local	55		
Intrastate	109		
Interstate	1476		

WHERE RECAPTURE FISHERS LIVE



STOCKED SPECIES																																										
MURRAY COD	GOLDEN PERCH	SILVER PERCH																																								
																																										
STOCKING																																										
Fingerlings stocked 2014-2022	Fingerlings Murray Cod 45,100 Golden Perch 1,077,300 Silver Perch 55,000	 <p>FINGERLINGS STOCKED 2014-2022</p> <table border="1"> <thead> <tr> <th>Species</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>MURRAY COD</td> <td>45,100</td> </tr> <tr> <td>GOLDEN PERCH</td> <td>1,077,300</td> </tr> <tr> <td>SILVER PERCH</td> <td>55,000</td> </tr> </tbody> </table>	Species	Number	MURRAY COD	45,100	GOLDEN PERCH	1,077,300	SILVER PERCH	55,000																																
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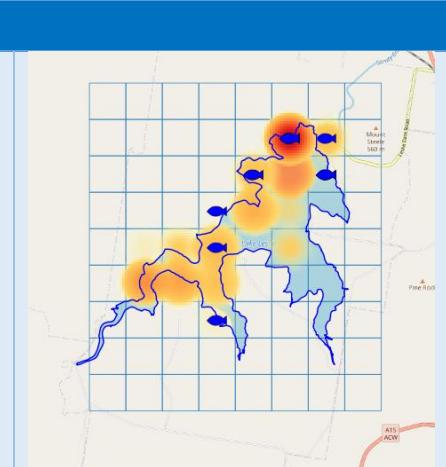
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Species tagged 2016-2025	Tagged	SPECIES TAGGED																																																		
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LOCATIONS

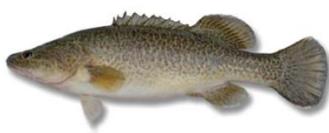
Tagged (red-orange heat map)
Recaptures (blue fish)
2016-2025

Tagged
Recaptured

493
37



MURRAY COD



DATA RELIABILITY

Sample size (fish/year)

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

Tagged (blue arrow)



Recaptured (orange arrow)



Confidence %

Error %

2021-2025

TAGGED AND TAG RATE

Murray Cod

Tagged 70

Tagged

Recaptured 17

Recaptured

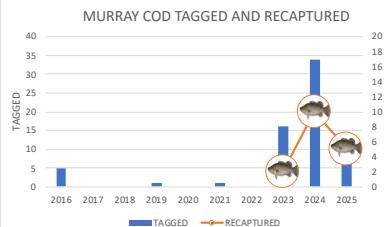
Recapture rate 24.3%

2016-2025

Tagged 2025 13

Recaptured

5



Catch and effort taggers

High Low Now

Fish caught

Catch 2024 2023 2025

Days fished

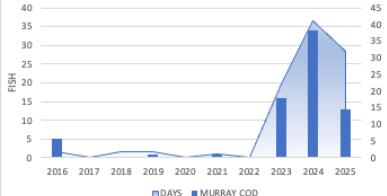
2024 2023 2025

2016-2025

34

16

TAG AND DAYS



Catch rate

High Low Now

fish/day

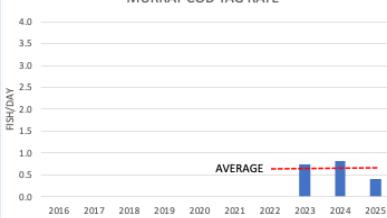
Catch rate 2024 2023 2025

2016-2025

0.8

0.7

MURRAY COD TAG RATE

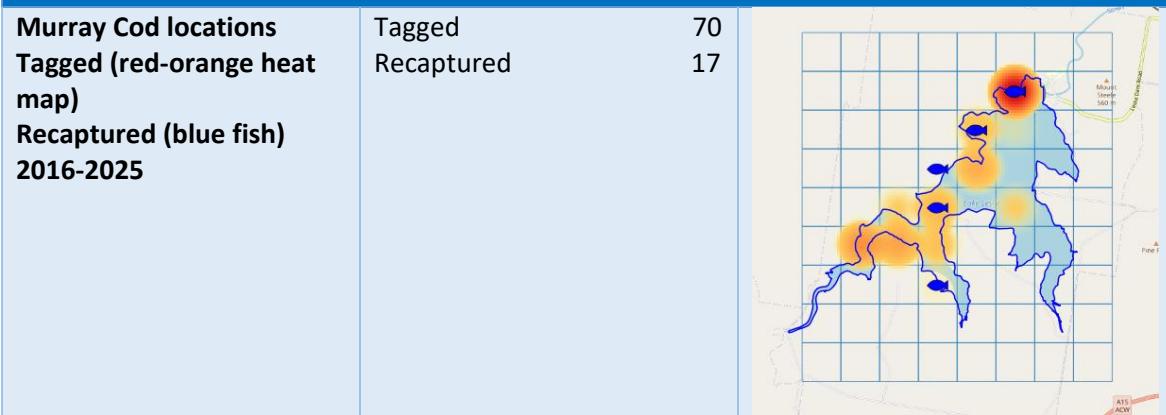


LENGTHS

Average length (mm)	High	Low	Now	MURRAY COD LENGTHS (MM)									
	2024	2023	2025	TROPHY		LEGAL							
	438	405	584					300	400	500	600	700	800
Largest								100	200	300	400	500	600
	775	630	810					700	800	900	1000		

Fish lengths percentage	High	Low	Now	MURRAY COD LENGTHS									
	Undersize <600mm	Legal-trophy	2025	UNDERSIZE		LEGAL		TROPHY					
Legal 600-999mm													
Trophy 1000+mm													
2016-2025													

LOCATIONS



GOLDEN PERCH



DATA RELIABILITY

Sample size (fish/year)

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

Tagged (blue arrow)



Recaptured (orange arrow)



Confidence %

Error %

2023-2025

TAGGED AND TAG RATE

Golden Perch

Tagged 386

Tagged

Recaptured 19

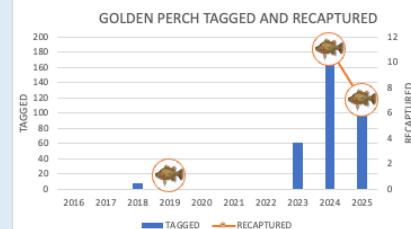
Recaptured

Recapture rate 4.9%

2016-2025

Tagged 2025 111

Recaptured 7



Tag and effort taggers

High Low Now

Fish caught

Catch

Days fished

2024 2023 2025

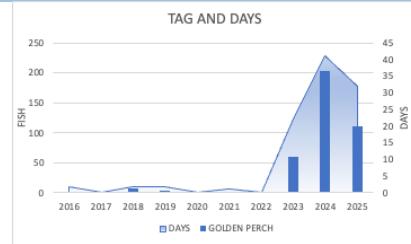
2016-2025

204 61 111

Days

2024 2023 2025

41 22 32



Tag rate

High Low Now

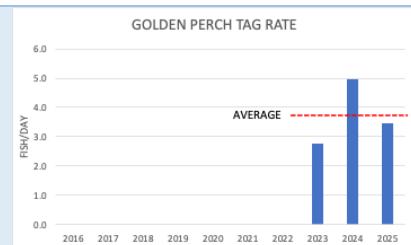
Fish/day

Tag rate

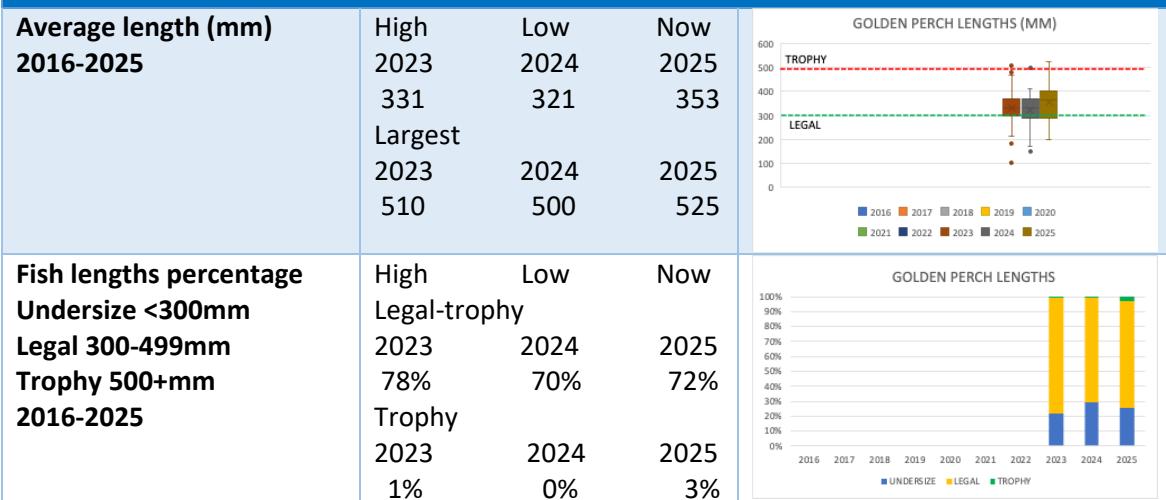
2016-2025

2024 2023 2025

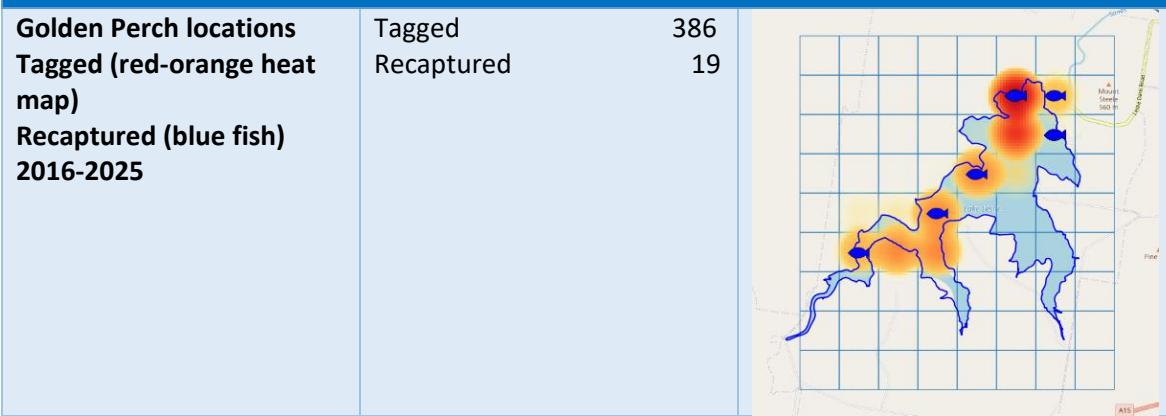
5.0 2.8 3.5



LENGTHS



LOCATIONS



SILVER PERCH



DATA RELIABILITY

Sample size (fish/year)

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

Tagged (blue arrow)



Recaptured (orange arrow)



Confidence %

Error %

2023-2025

TAGGED AND TAG RATE

Silver Perch

Tagged 34

Tagged

Recaptured 1

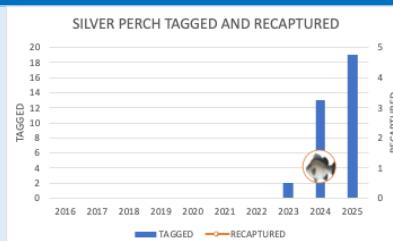
Recaptured

Recapture rate 2.9%

2016-2025

Tagged 2025 19

Recaptured 2025 0



Tag and effort taggers

High Low Now

Fish caught

Catch 2024 2023 2025

Days fished

2024 2023 2025

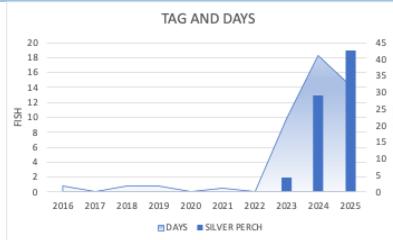
2016-2025

13 2 19

Days

2024 2023 2025

41 22 23



Tag rate

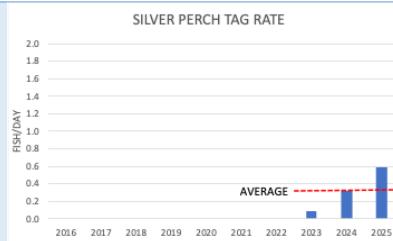
High Low Now

Fish/day

Catch rate 2024 2023 2025

2016-2025

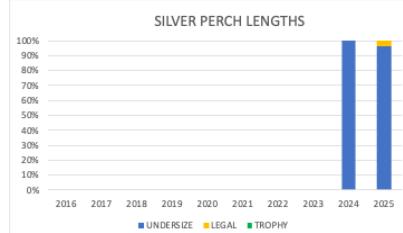
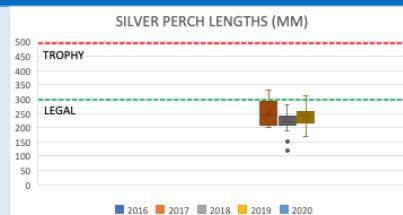
0.3 0.1 0.6



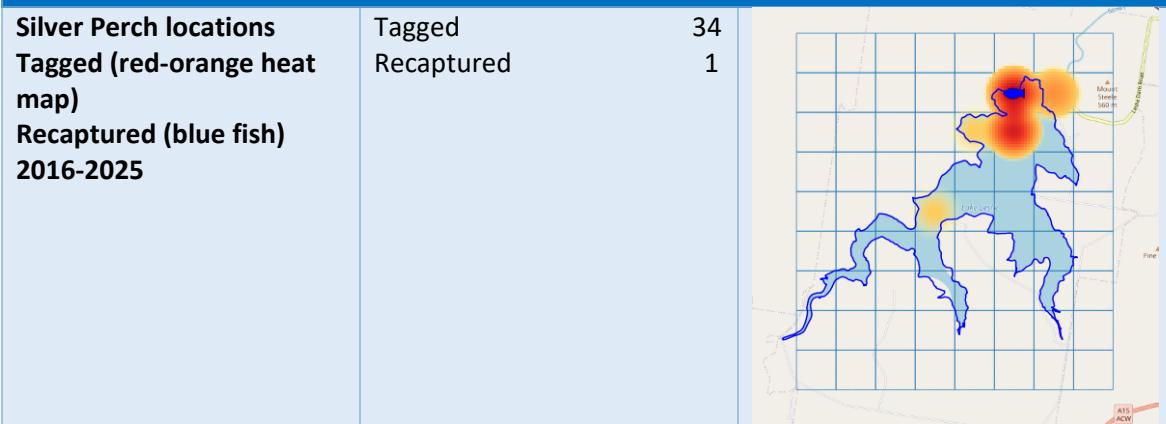
LENGTHS

Average length (mm) 2016-2025	High	Low	Now	SILVER PERCH LENGTHS (MM)	
	2023	2024	2025		
	252	223	237		
Largest					
2023	2024	2025			
330	280	310			

Fish lengths percentage Undersize <300mm Legal 300-499mm Trophy 500+mm 2016-2025	High	Low	Now	SILVER PERCH LENGTHS	
	2023	2024	2025		
Legal-trophy					
NA	0%	5%			
Trophy					
No trophy fish recorded					



LOCATIONS



Data sources

Data used in the Lake Leslie Crystal Bowl are:

- Tag records and recapture records for the impoundment at <http://crystalbowl.infofishaustralia.com.au/>.
- Dam level data from Sunwater at <https://www.sunwater.com.au/water-data/historical-dam-capacity/>.
- Stocked fish records from <https://www.data.qld.gov.au/dataset/queensland-freshwater-fish-stocking-records/>.

Basis for analysis

- Data reliability for fishers based on the sample size over the past 2 years for days fished by taggers and by fishers recapturing fish.
- Data reliability for fish based on average number of fish tagged and recaptured per year over the past 2 years.
- Catch rates calculated as number of fish tagged/days fished for taggers with a minimum of 12 fisher days (at least 1 per month) to provide a reliable catch rate.
- Undersized Murray Cod are <600mm, Legal fish are >=600 and <1000mm and trophy fish are >=1000mm.
- Undersized Golden Perch are <300mm, legal fish are >=300 and <500mm and trophy fish are >=500mm.
- Locations based on Infofish grid map LLW for the impoundment and other grid maps where fish were recaptured outside the impoundment.
- Travel proxy distance is the distance between where the fisher lives (address, suburb, town or postcode) and the recapture location. Local <80km, intrastate Qld elsewhere postcodes starting with 4, interstate other than Qld.