



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 Infish 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.

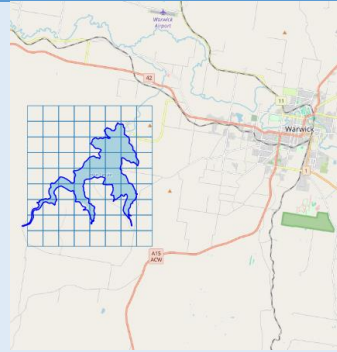
There was very little tagging effort in the lake prior to 2023 and that has increased since then. Interest was boosted by the inclusion of the lake in the SIPS 2.0 competition with 1 SIPS fish recaptured.

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.

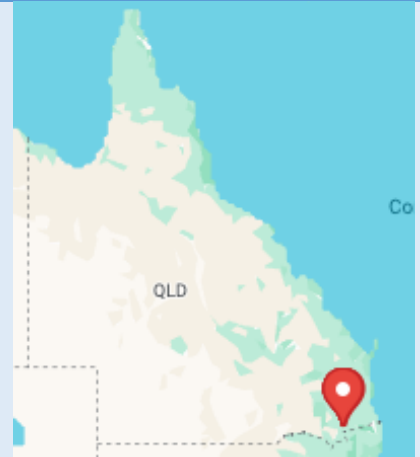
The short period of tagging means that there is a limited history of recaptures and limited information available. That will improve if tagging is maintained over the next few years.

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

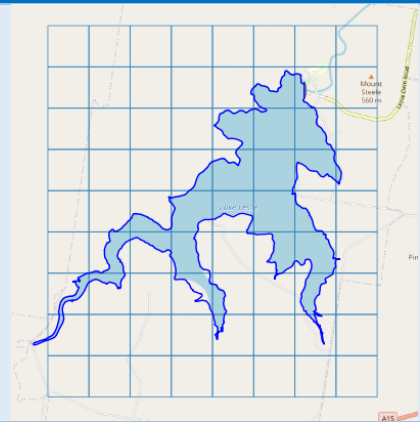


Lat 28.2°S
Lon 151.9°E

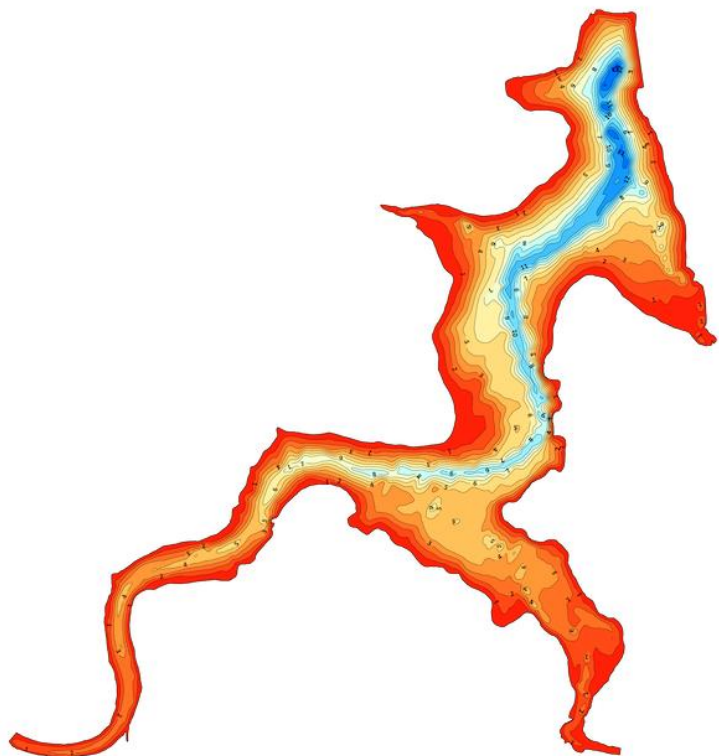


LAKE

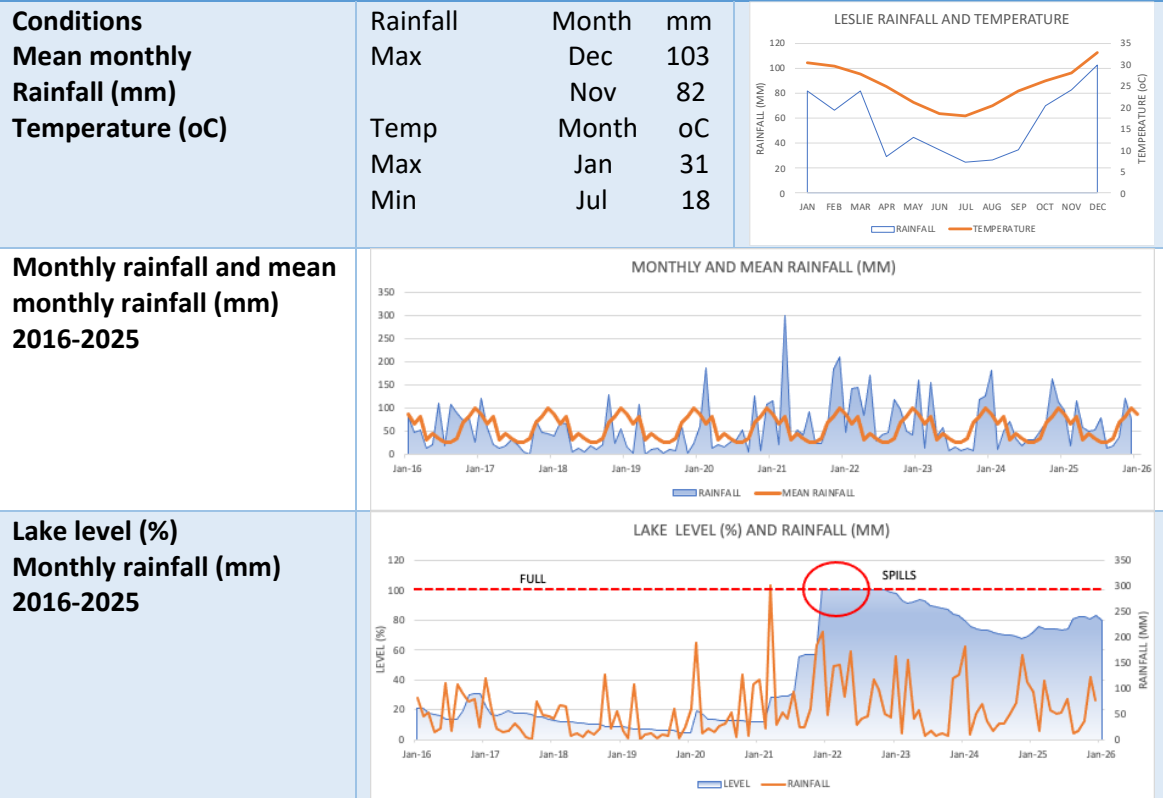
Grid map
Lake Leslie LLW
Surface area 12.9km²

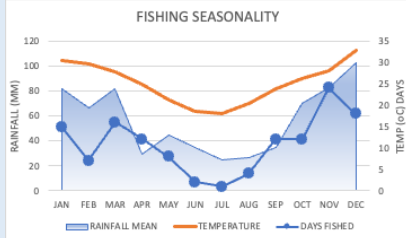
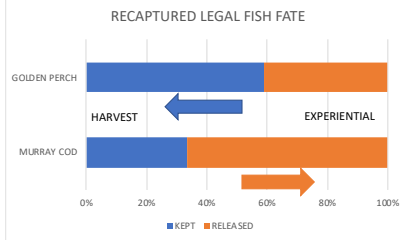
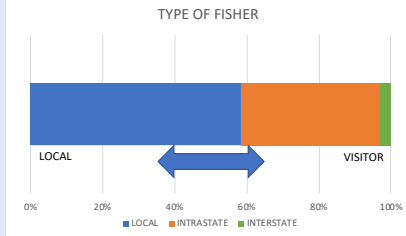
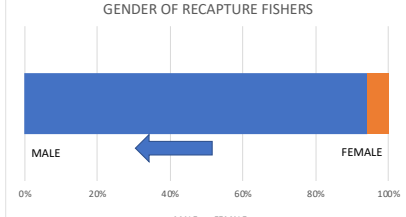


Bathymetry
(lake level very low)

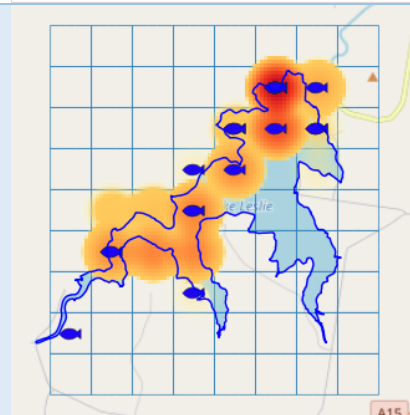
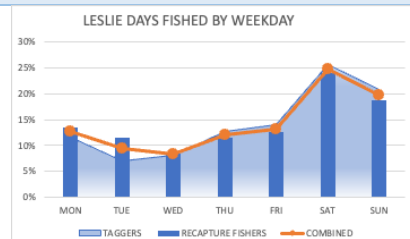
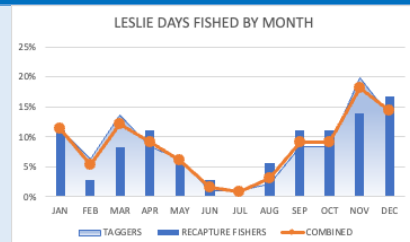


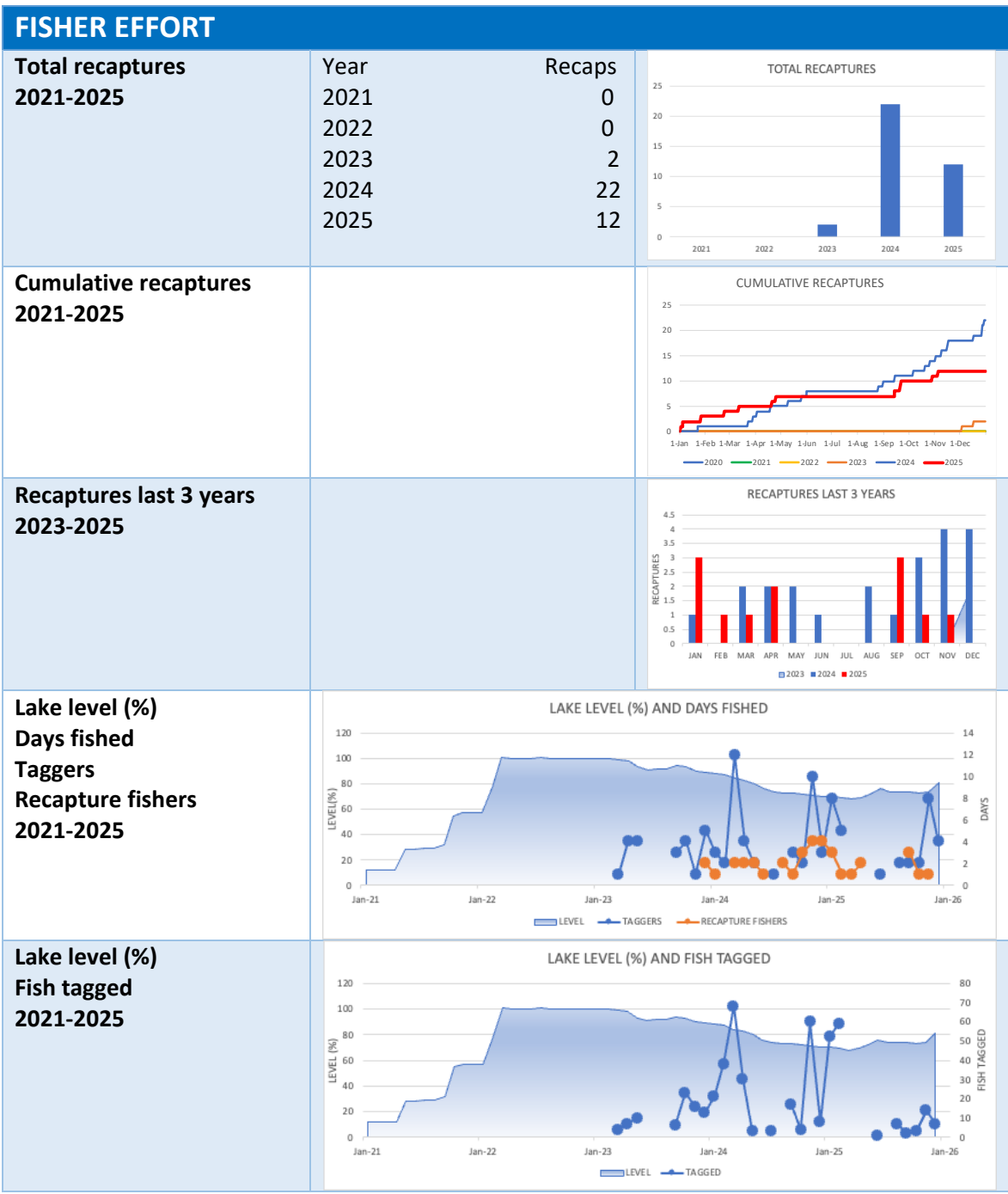
ENVIRONMENTAL CONDITIONS



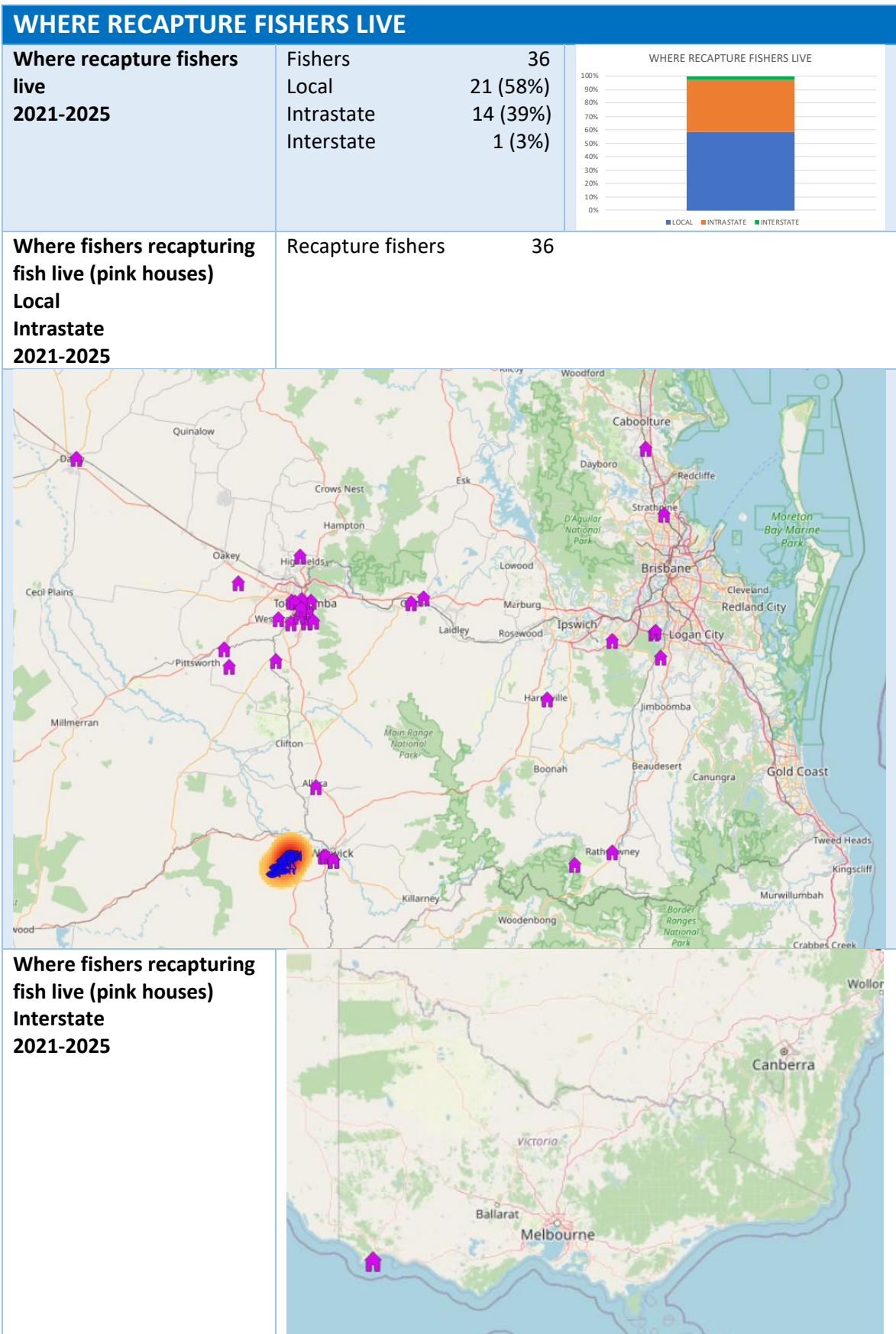
TYPE OF FISHERY																																			
DATA RELIABILITY																																			
Sample size (days fished) Tag days (blue arrow) Recaptures (orange arrow) Confidence % Error % 2021-2025	<table><tr><td>Reliability level</td><td colspan="2">LOW</td><td colspan="2">MODERATE</td><td colspan="2">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><td></td></tr><tr><td>Confidence</td><td>80%</td><td>80%</td><td>90%</td><td>90%</td><td>95%</td><td>99%</td><td></td></tr><tr><td>Error</td><td>20%</td><td>10%</td><td>10%</td><td>5%</td><td>5%</td><td>5%</td><td></td></tr></table> <div><div></div><div></div></div>	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%		
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Seasonality Mean temperature (oC) Days fished Taggers and recapture fishers combined 2021-2025	<div>Months most effort</div> <div>Most days</div> <div>Nov</div> <div>Dec</div> <div>Mar</div>	<div>FISHING SEASONALITY</div> 																																	
Harvest or experiential fishery Fate of recaptured legal Murray Cod Golden Perch 2021-2025	<div>Legal fish kept rate</div> <div>Murray Cod 1/3 (33%)</div> <div>Golden Perch 10/17 (59%)</div> <div>Caution: low numbers</div> <div>Murray Cod</div>	<div>RECAPTURED LEGAL FISH FATE</div> 																																	
Local or visitor fishery Where recapture fishers live 2021-2025	<div>Recapture fishers 36</div> <div>Local 21 (58%)</div> <div>Visitor 15 (42%)</div>	<div>TYPE OF FISHER</div> 																																	
Gender of recapture fishers (ex-taggers) 2021-2025	<div>Fishers 34</div> <div>Female 2 (6%)</div> <div>Male 32 (94%)</div>	<div>GENDER OF RECAPTURE FISHERS</div> 																																	




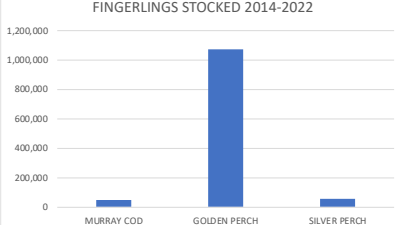
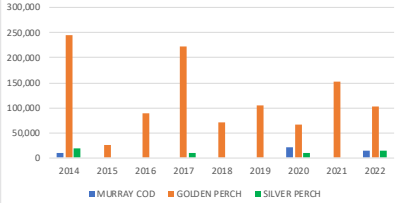
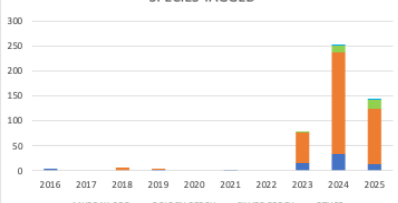
FISHER ACTIVITY		
Monthly activity Days fished combined Taggers Recapture fishers 2021-2025	Tagger days	96
	Recap fishers days	36
	Month	%
	Most days	Nov 18%
		Dec 14%
		Mar 12%
Weekday activity Days fished combined Taggers Recapture fishers 2021-2025	Tagger days	96
	Recap fishers days	36
	Day	%
	Most	Weekend 45%
		Weekdays 55%
Activity by location Taggers (red-orange heatmap) Recapture fishers (blue fish) 2021-2025	Tagged fish	477
	Recaptured	36





FISHER TRAVEL			
Cumulative distance (km) home to recapture location 2021-2025	Year	Kms	CUMULATIVE PROXY TRAVEL DISTANCE (KM)
	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			RECAPTURE FISHERS PROXY TRAVEL
Distance (km) home to recapture location Bars show distance range Dots show outliers 2021-2025	Trips	36	RECAPTURE FISHERS PROXY TRAVEL
	Local	10-78	
	Intrastate	81-158	
	Interstate	1476	
Proxy average travel distance (km) home to recapture location Local Intrastate Interstate 2021-2025	Trips	36	RECAPTURE FISHER'S PROXY AVERAGE TRAVEL
	Local	55	
	Intrastate	109	
	Interstate	1476	
		Average (km)	



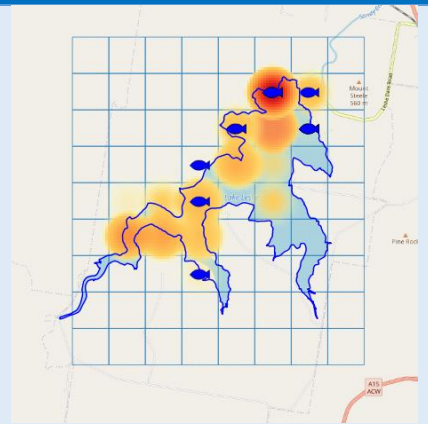
STOCKED SPECIES		
MURRAY COD	GOLDEN PERCH	SILVER PERCH
		
STOCKING		
Fingerlings stocked 2014-2022	Fingerlings Murray Cod 45,100 Golden Perch 1,077,300 Silver Perch 55,000	
Fingerlings stocked each year 2014-2022		
SPECIES TAGGED		
Species tagged 2016-2025	Murray Cod 70 Golden Perch 386 Silver Perch 34	




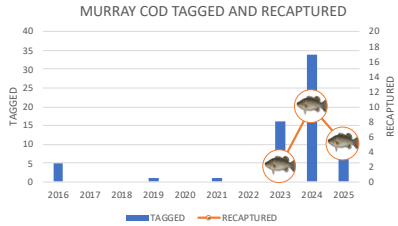
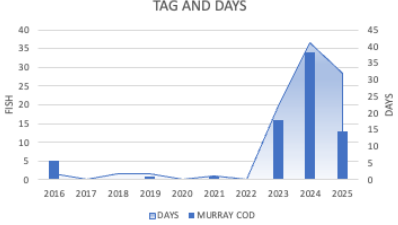
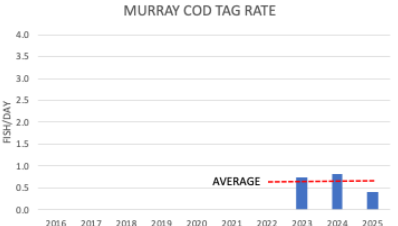
LOCATIONS

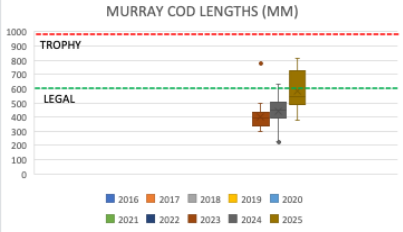

Tagged (red-orange heat map)
Recaptures (blue fish)
2016-2025

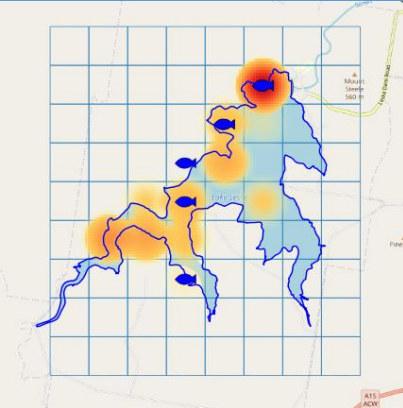
Tagged
Recaptured


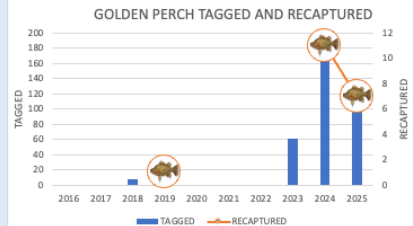
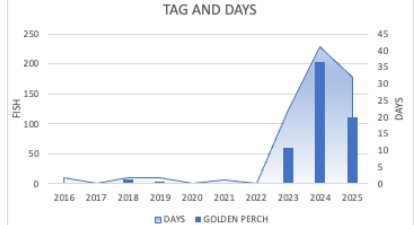
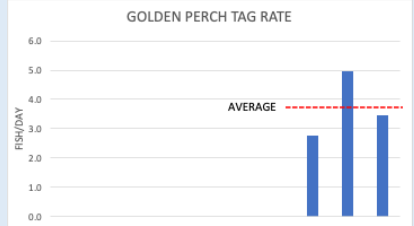
493
37



MURRAY COD																																
																																
DATA RELIABILITY																																
Sample size (fish/year) Tagged (blue arrow) Recaptured (orange arrow) Confidence % Error % 2021-2025	<table><tr><td>Reliability level</td><td>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>80%</td><td>80%</td><td>90%</td><td>90%</td><td>95%</td><td>99%</td></tr><tr><td>Error</td><td>20%</td><td>10%</td><td>10%</td><td>5%</td><td>5%</td><td>5%</td></tr></table> <div></div>				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%
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TAGGED AND TAG RATE																																
Murray Cod Tagged Recaptured 2016-2025	Tagged	70																														
	Recaptured	17																														
	Recapture rate	24.3%																														
	Tagged 2025	13																														
	Recaptured	5																														
Catch and effort taggers Fish caught Days fished 2016-2025	High	Low	Now																													
	Catch																															
	2024	2023	2025																													
	34	16	13																													
	Days																															
2024	2023	2025																														
41	22	32																														
Catch rate fish/day 2016-2025	High	Low	Now																													
	Catch rate																															
	2024	2023	2025																													
	0.8	0.7	0.4																													


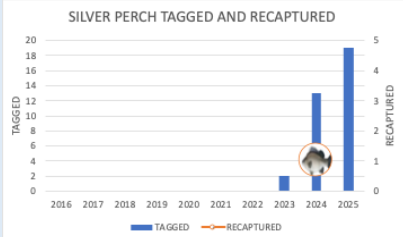
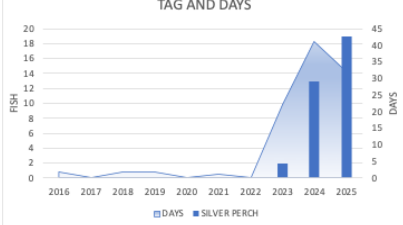
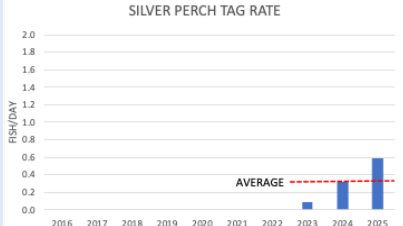
LENGTHS				
Average length (mm)	High	Low	Now	
	2024	2023	2025	
	438	405	584	
	Largest			
	2023	2024	2025	
	775	630	810	
Fish lengths percentage	High	Low	Now	
	2024	2023	2025	
	6%	5%	46%	
	Trophy			
	No trophy fish in any year			
Undersize <600mm				
Legal 600-999mm				
Trophy 1000+mm				
2016-2025				

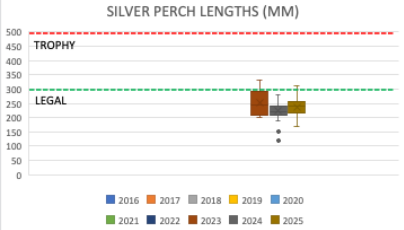

LOCATIONS		
Murray Cod locations	Tagged	70
Tagged (red-orange heat map)	Recaptured	17
Recaptured (blue fish)		
2016-2025		
		

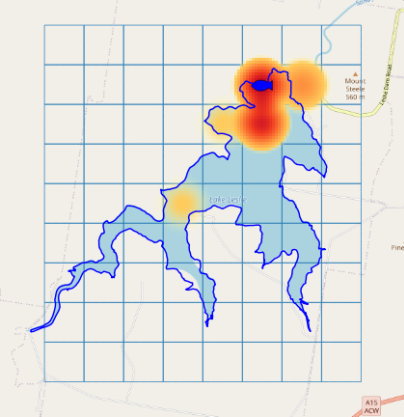
GOLDEN PERCH								
								
DATA RELIABILITY								
Sample size (fish/year) Tagged (blue arrow) Recaptured (orange arrow) Confidence % Error % 2023-2025	Reliability level	LOW		MODERATE		HIGH		
	Samples	10	41	68	271	384	664	
	Confidence		80%	80%	90%	90%	95%	99%
	Error		20%	10%	10%	5%	5%	5%
TAGGED AND TAG RATE								
Golden Perch Tagged Recaptured 2016-2025	Tagged			386				
	Recaptured			19				
	Recapture rate			4.9%				
	Tagged 2025			111				
	Recaptured			7				
Tag and effort taggers Fish caught Days fished 2016-2025	High	Low	Now					
	Catch							
	2024	2023	2025					
	204	61	111					
	Days							
Tag rate Fish/day 2016-2025	High	Low	Now					
	Tag rate							
	2024	2023	2025					
	5.0	2.8	3.5					

LENGTHS				
Average length (mm) 2016-2025	High	Low	Now	
	2023	2024	2025	
	331	321	353	
	Largest			
	2023	2024	2025	
Fish lengths percentage Undersize <300mm Legal 300-499mm Trophy 500+mm 2016-2025	High	Low	Now	
	Legal-trophy			
	2023	2024	2025	
	78%	70%	72%	
	Trophy			
2023	2024	2025		
	1%	0%	3%	

LOCATIONS		
Golden Perch locations Tagged (red-orange heat map) Recaptured (blue fish) 2016-2025	Tagged	386
	Recaptured	19

SILVER PERCH																								
																								
DATA RELIABILITY																								
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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																							
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																							
2016-2025	2024	2023	2025																					
	0.3	0.1	0.6																					

LENGTHS				
Average length (mm) 2016-2025	High	Low	Now	
	2023	2024	2025	
	252	223	237	
	Largest			
	2023	2024	2025	
Fish lengths percentage Undersize <300mm Legal 300-499mm Trophy 500+mm 2016-2025	High	Low	Now	
	2023	2024	2025	
	NA	0%	5%	
	Trophy			
	No trophy fish recorded			

LOCATIONS		
Silver Perch locations	Tagged	34
Tagged (red-orange heat map)	Recaptured	1
Recaptured (blue fish)		
2016-2025		
		

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.