

SPRINGFIELD LAKES REVIEW 2024

INFORMATION RATING



Stocking group: Brisbane Valley Anglers Fishstocking Association (BVA)

Species stocked: Australian Bass, Mary River Cod

Stocking timeframe: 2018-2024

Fish timeframe: 2021-2024

Fisher timeframe: Not available

BVA Facebook: <https://www.facebook.com/BrisbaneValleyAnglers/>

Spring Lake is part of Springfield Lakes and has been stocked by the Brisbane Valley Anglers Fishstocking Association (BVA) with Australian Bass and Mary River Cod. There were also some Golden Perch stocked about 10 years ago but there are no records of that release.

While there have been 5.8k Mary River Cod stocked to date there have not been any fish recorded. It is likely that the fishing techniques used are aimed at catching Bass and less likely to catch Mary River Cod.

BVA have conducted annual pest days from 2018-2024 (except in 2020 due to Covid) to remove pest species Tilapia, Barred Grunter and European Carp. This year it was the 2024 Charltons Fishing Springfield Pest Fishing Classic and supported by the Ipswich City Council. Data on pest species was collected by 2 Bent Rods.

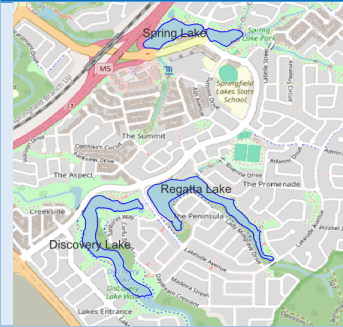
Pest removal days have removed 1468 Tilapia, 372 Grunter and 4 Carp from 2018-2024. There were 165kg of Tilapia removed in 2022, 87.5kg in 2023 and 52.3kg in 2024. The average weight of Tilapia removed has doubled from 0.41 in 2023 to 0.83kg in 2024.

In conjunction with pest removal BVA have undertaken tagging days from 2021-2024. This involves junior fishers from the local area catching the fish while BVA members undertake the tagging. In that time there have been 410 Bass tagged for 40 recaptures.

Fishing in the Springfield Lakes appears to have increased in 2023 based on the number of fish recaptured outside BVA fishing days however has likely tapered off again this year with just 1 recapture reported outside BVA fishing days. Most of those recaptures have been made by local younger fishers.

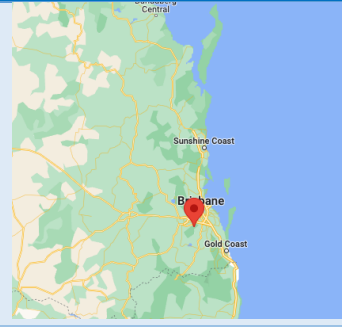
There has been no shift in the size profile of Bass between 2021-2023. This suggest that the growth rate is very slow. Recaptures suggest that the growth rate of Bass is low at 10-20mm per year, however a small number of individual fish have grown faster. The low growth rates of Bass could be the result of competition for food from Tilapia and larger fish, overstocking, a combination of both and some unknown factors. By comparison Tilapia have grown quickly.

SPRINGFIELD LAKES



Spring Lake
27.67°S
152.92°E
Regatta Lake
27.676°S
152.92°E

LOCATION



IMPOUNDMENTS

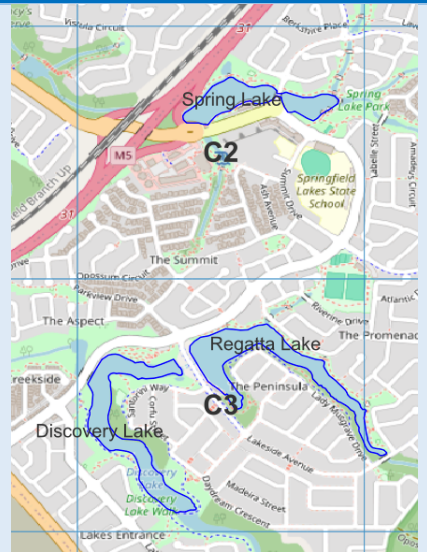
Springfield Lakes
Grid map SFL
Spring Lake grid C2
Regatta Lake grid C3
Discovery Lake grid C3




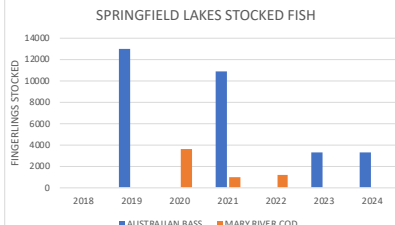
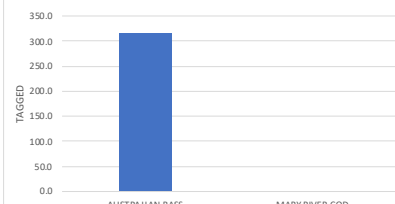
ACTUAL




Surface area
Spring Lake 1.2km²
Regatta Lake 2.4km²
Discovery lake 2.2km²

Stocking in Spring Lake 2018-2024

GRAPH or MAP




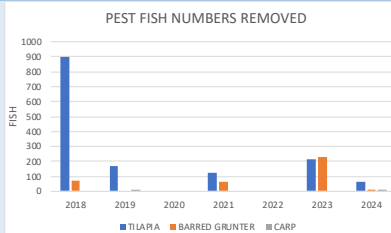
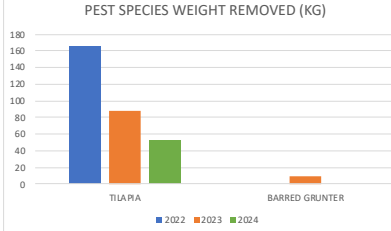
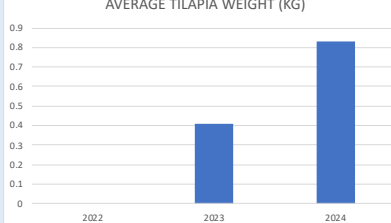


STOCKING		ACTUAL	GRAPH or MAP																							
AUSTRALIAN BASS	MARY RIVER COD	GOLDEN PERCH																								
																										
Fingerlings stocked 2018-2024	<div>Stocked 2018-2024</div> <div>Bass30,575</div> <div>Mary River Cod5,800</div> <div>Golden PerchUnknown</div>	<div>SPRINGFIELD LAKES STOCKED FISH</div>  <table><thead><tr><th>Year</th><th>Australian Bass</th><th>Mary River Cod</th></tr></thead><tbody><tr><td>2018</td><td>0</td><td>0</td></tr><tr><td>2019</td><td>12000</td><td>0</td></tr><tr><td>2020</td><td>0</td><td>3500</td></tr><tr><td>2021</td><td>11000</td><td>500</td></tr><tr><td>2022</td><td>0</td><td>1000</td></tr><tr><td>2023</td><td>3000</td><td>0</td></tr><tr><td>2024</td><td>3000</td><td>0</td></tr></tbody></table>	Year	Australian Bass	Mary River Cod	2018	0	0	2019	12000	0	2020	0	3500	2021	11000	500	2022	0	1000	2023	3000	0	2024	3000	0
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Fish tagged 2021-2024 per 10,000 fish stocked to 2022 (fish large enough to tag)	<div>Australian Bass315:10,000</div> <div>Mary River Cod0 (none recorded)</div>	<div>FISH TAGGED PER 10,000 FISH STOCKED</div>  <table><thead><tr><th>Species</th><th>Fish Tagged per 10,000 Fish Stocked</th></tr></thead><tbody><tr><td>Australian Bass</td><td>315.0</td></tr><tr><td>Mary River Cod</td><td>0.0</td></tr></tbody></table>	Species	Fish Tagged per 10,000 Fish Stocked	Australian Bass	315.0	Mary River Cod	0.0																		
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AUSTRALIAN BASS		ACTUAL		GRAPH or MAP	
					
DATA RELIABILITY					
Sample size (fish/year)		Reliability level		MODERATE	
Tags (blue arrow)		Samples		MODERATE	
Recaptures (orange arrow)		Confidence		HIGH	
Confidence %		Error			
Error %					
2021-2024					
					
MEASURE		ACTUAL		GRAPH or MAP	
Bass tagged and recaptured each year		Tagged		SPRINGFIELD LAKES BASS TAGGED AND RECAPTURED	
2021-2024		Recaps			
Recaptures during BVA fish days and other times		BVA fish days		SPRINGFIELD LAKES BASS RECAPTURES	
2021-2024		Other times			
LENGTHS					
Average length (mm)		Av		SPRINGFIELD LAKES BASS LENGTHS (MM)	
Bars show length range		Max			
Dots show outliers					
2021-2023					
Note: 2023 Apr includes smaller fish not tagged					
Bass length range (mm)		SPRINGFIELD LAKES BASS LENGTHS (MM)			
2021-2024					

GROWTH		
Bass growth per year (mm) 2021-2024	Recaptures	35
	Av growth/year (mm)	23
Bass growth per year (mm) 2021-2024	Growth at end of each year (mm)	
	Year 1 Year 2 Year 3 Year 4	22 29 33 36

MARY RIVER COD		
MEASURE	ACTUAL	GRAPH or MAP
All measures	Fish recorded 0 None recorded as caught	

SPRINGFIELD LAKES			PEST SPECIES		
					
Tilapia		Barred Grunter		European Carp	
MEASURE		ACTUAL		GRAPH or MAP	
Numbers of pest species removed 2018-2024		Removed 2018-2024 Tilapia 1468 Grunter 372 Carp 4 Numbers not recorded in 2022			
Weight of pest species removed 2022-2023		Total weight (kg) 2022 2023 2024 Tilapia 165 87.5 52.3 Grunter 9.0			
Average weight of Tilapia removed 2022-2024		Average weight (kg) 2022 2023 2024 Tilapia NA 0.41 0.83 50% increase			

Data sources

Data used in the Springfield Lakes Crystal Bowl are:

- Tag records and recapture records for the impoundment at <http://crystalbowl.infofishaustralia.com.au/>.
- Stocked fish records from Brisbane Valley Anglers Fishing Association.
- Pest fish data collected by 2 Bent Rods and provided by Brisbane Valley Anglers Fishing Association.