



LAKE PROSERPINE REVIEW 2024

INFORMATION RATING



Stocking group: Faust Dam Fish Stocking Association Inc

Species stocked: Barramundi, Sooty Grunter

Stocking timeframe: 2010-2020

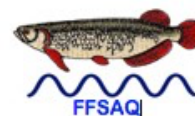
Competition timeframe: ABT competitions 2021-2024

DAF Link: <https://www.daf.qld.gov.au/rsa/sips-dams-and-weirs/profile?dam=peter-faust-dam>

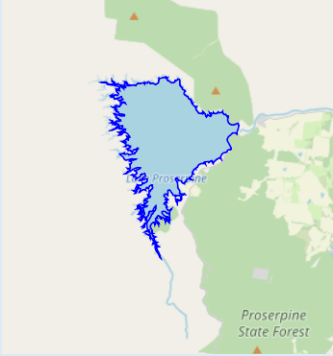

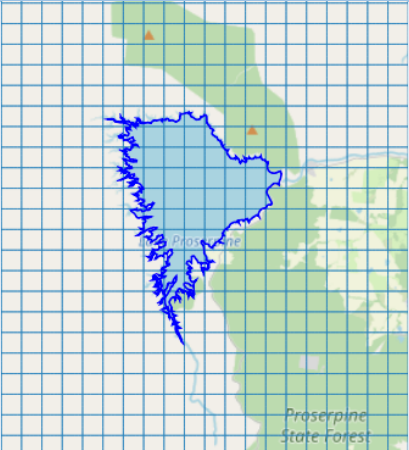
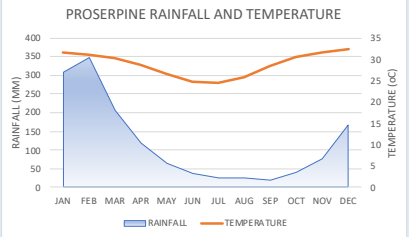
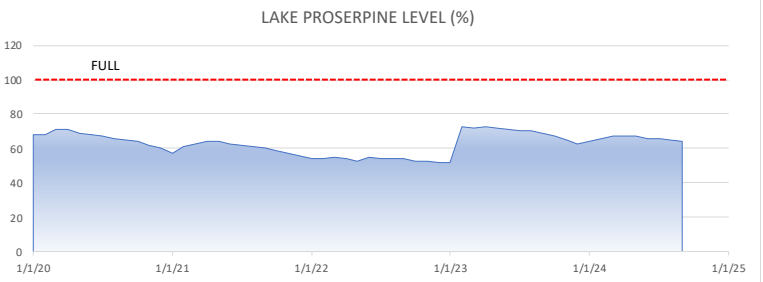
There have only been a small number of fish tagged in Lake Proserpine in the last decade so there is no data provided on fisher and fish activity. However there have been regular ABT competitions that provide useful information on fish sizes and catch rates.



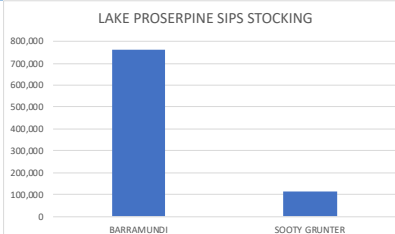
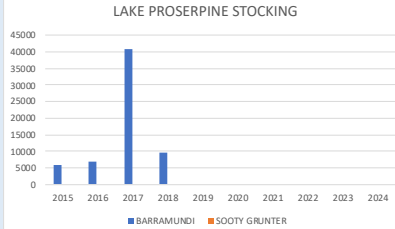



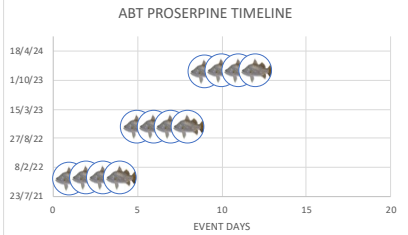
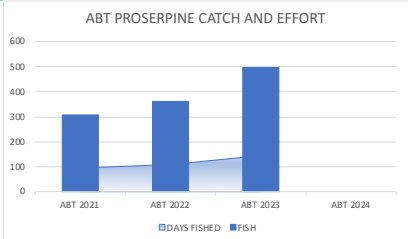
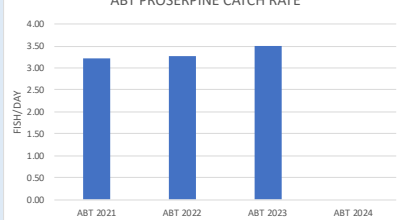
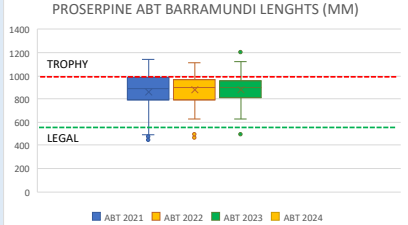
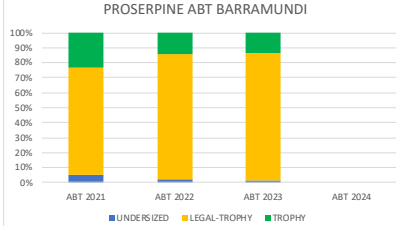
Product of Infish Australia

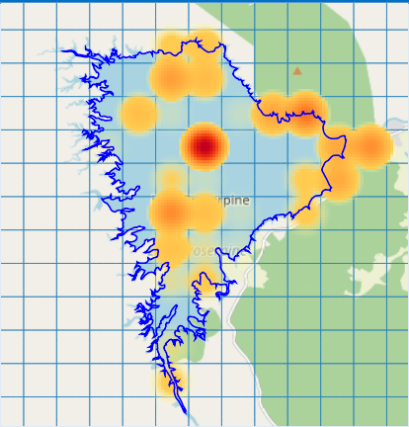
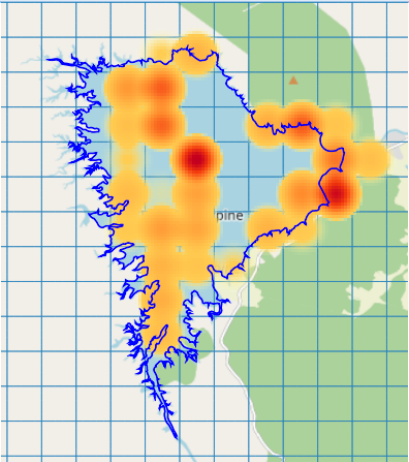
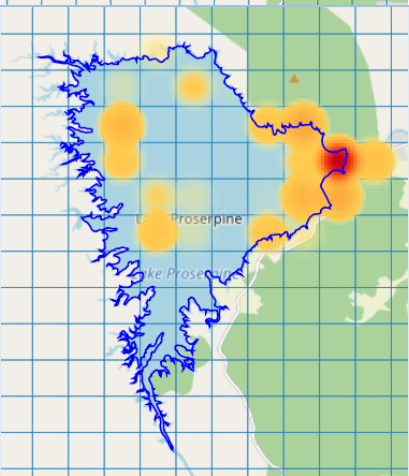


Supported by Suntag and FFSAQ

LAKE PROSERPINE		LOCATION															
	Lake Proserpine 21.37°S 148.35°E																
IMPOUNDMENT	ACTUAL	GRAPH or MAP															
Lake Proserpine Grid map Lake Proserpine PFD Surface area Bathymetry	Surface area 36.5km ² at Full Surface Level Bathymetry not available																
ENVIRONMENTAL																	
Mean monthly rainfall (mm) Mean monthly air temperature (oC)	<table> <tr> <td>Rainfall</td><td>Month</td><td>mm</td></tr> <tr> <td>Max</td><td>Feb</td><td>348</td></tr> <tr> <td></td><td>Jan</td><td>309</td></tr> <tr> <td>Temp</td><td>Month</td><td>oC</td></tr> <tr> <td>Max</td><td>Nov-Jan</td><td>32</td></tr> </table>	Rainfall	Month	mm	Max	Feb	348		Jan	309	Temp	Month	oC	Max	Nov-Jan	32	
Rainfall	Month	mm															
Max	Feb	348															
	Jan	309															
Temp	Month	oC															
Max	Nov-Jan	32															
Lake level 2020-2024																	

STOCKING		ACTUAL	GRAPH or MAP
BARRAMUNDI		SOOTY GRUNTER	
			
STOCKING			
Fingerlings stocked from SIPS to 2020		Fingerlings Barramundi 760,000 Sooty Grunter 115,000	
Fingerlings stocked 2015-2024 (no numbers after 2018)		Fingerlings Barramundi 99,262 Sooty Grunter unknown	

COMPETITIONS		ACTUAL		GRAPH or MAP	
BARRAMUNDI					
					
ABT COMPETITIONS					
ABT competitions		Date and times		ABT PROSERPINE TIMELINE	
2021		2021 15/11/21 4pm-1am			
2022		2022 4/11/22 4pm-1am			
2023		2023 23/11/23 2pm-12pm			
2024					
CATCH RATE					
Fish caught		Fish		ABT PROSERPINE CATCH AND EFFORT	
Days fished		Days			
2021		ABT 2021	308 96		
2022		ABT 2022	359 110		
2023		ABT 2023	496 142		
2024		ABT 2024			
Catch rate (fish/day)		Catch rate		ABT PROSERPINE CATCH RATE	
2021		ABT 2021	3.2		
2022		ABT 2022	3.3		
2023		ABT 2023	3.5		
2024		ABT 2024			
LENGTHS					
Lengths (mm)		Av		PROSERPINE ABT BARRAMUNDI LENGTHS (MM)	
2021-2024		Max			
		ABT 2021	864 1140		
		ABT 2022	876 1110		
		ABT 2023	878 1200		
		ABT 2024			
Percentage (%)		Legal		PROSERPINE ABT BARRAMUNDI	
Legal-Trophy		Trophy			
2021-2024					
		ABT 2021	71% 23%		
		ABT 2022	84% 14%		
		ABT 2023	85% 13%		
		ABT 2024			

LOCATIONS			
Competition locations heatmap 2021	Fish	308	
Competition locations heatmap 2022	Fish	359	
Competition locations heatmap 2023	Fish	496	

Data sources

Data used in the Lake Proserpine Crystal Bowl are:

- Dam level data from Sunwater at <https://www.sunwater.com.au/water-data/historical-dam-capacity/>.
- Stocked fish records from
- Competition data from ABT competitions from Infofish Trackmyfish app.
- Rainfall and temperature records from Station 033045 Mackay Aero from <http://www.bom.gov.au/climate/data>.

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 per year over the past 5 years.
- Undersized Barramundi are <580mm, legal-trophy fish are ≥580 and <1000mm and trophy fish are ≥1000mm. Legal fish are 580-1200mm.
- Locations based on Infofish grid map PRM 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 <60km, intrastate Qld elsewhere, interstate other than Qld.