



HINCHINBROOK REVIEW 2025

INFORMATION RATING



Key species: Barramundi, Mangrove Jack, Goldspotted Rockcod, Blackspotted Rockcod, Barred Javelin

Fish timeframe: 2016-2025

Fisher timeframe: 2021-2025

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Product of Infofish Australia

Supported by Suntag, 4lb Club,
Department of Primary Industries

HINCHINBROOK OVERVIEW

Summary for 2025

- There were an additional 344 fish tagged with 11 recaptures in 2025.
- Fishing activity in the Hinchinbrook area is mostly limited to local fishers during the wet season.
- From winter to near the end of the year there is a surge in visiting fishers from along the east coast from Cairns to Victoria as it is a popular fishing destination.
- Hinchinbrook is a high harvest area for legal fish with around 73% of legal fish of key species caught by recreational fishers (ex-taggers) being kept.

The Hinchinbrook area includes Victoria Creek, Herbert River, Seymour River in the south and the Murray River in the north with several smaller short creeks in the middle section. Population centres include Lucinda and Ingham in the south, Cardwell in the middle and Tully in the north.

The area is part of the highest rainfall area in Queensland with most of the rain falling during the wet season from Dec-Apr. This year Cardwell received 1703mm of rain in Feb.

Tagging in the Hinchinbrook area has been continuous since the mid-1980 with taggers mostly targeting Barramundi and Mangrove Jack using lures, and even though taggers have changed the fishing methodology and target species have remained fairly consistent.

Tagging effort and numbers of fish tagged have remained steady with 400-600 fish tagged most years, however tagging effort fell away in 2023 due to some taggers moving to other locations. This resulted in a drop in the number of fish tagged. There has been an increase in tagging effort again this year.

Hinchinbrook being a high harvest area is reflected in the high proportion of fish tagged being below legal length suggesting most fish are retained once they reach legal length. That is supported by lengths from the 4lb club competitions which are photo based with fish released, showing low levels of legal fish for most key species.

An assessment of fish condition and handling was made from photos collected during competitions and tagging. While the incidence of minor health issues was high it was very low for major issues which included fin damage, lesions and skin condition. For fish handling the incidence of bleeding and scale loss was moderate for minor issues and it was very low for major issues.

HINCHINBROOK LOCATION



Cardwell
18.26°S
146.02°E
Ingham
18.65°S
146.16°E



WATERWAYS

Grid maps

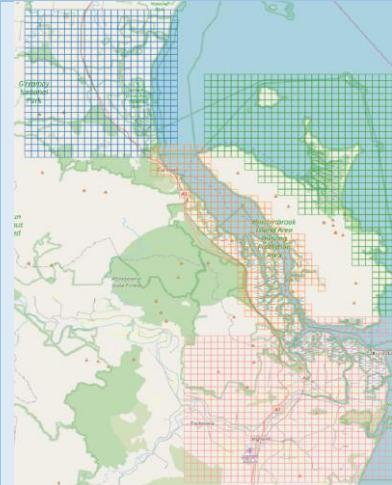
Murray River KR01

Hinchinbrook Channel HCC

Hinchinbrook Island HIC

Ingham IGH

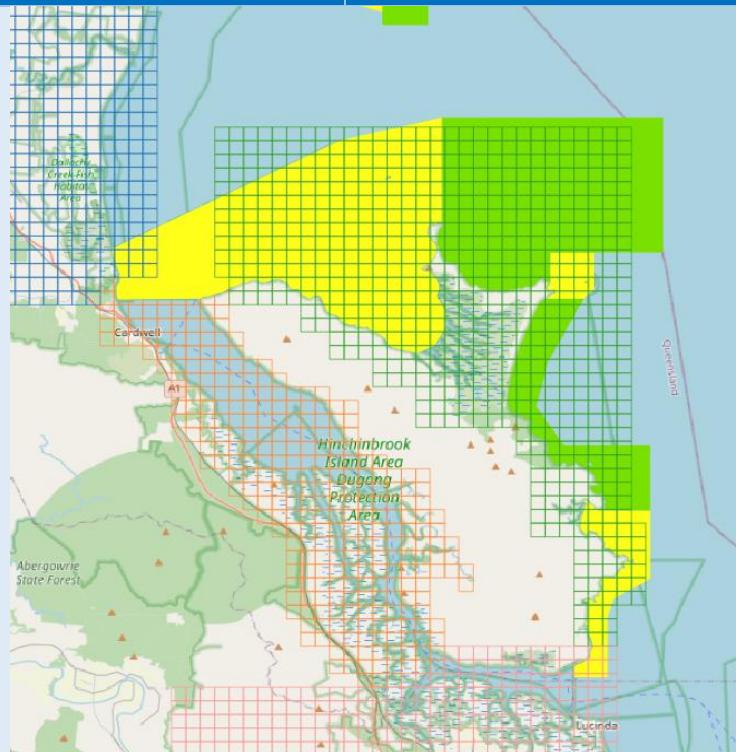
Murray River
Dallachy Creek
Wreck Creek
Meunga Creek
Cardwell to Ingham
Hinchinbrook Channel
Hinchinbrook Island
Seymour River
Herbert River
Victoria Creek



GBRMPA ZONING

Conservation Park Zone (yellow)

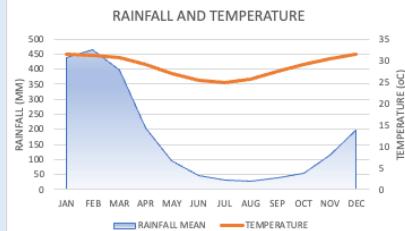
Marine National Park Zone (green)



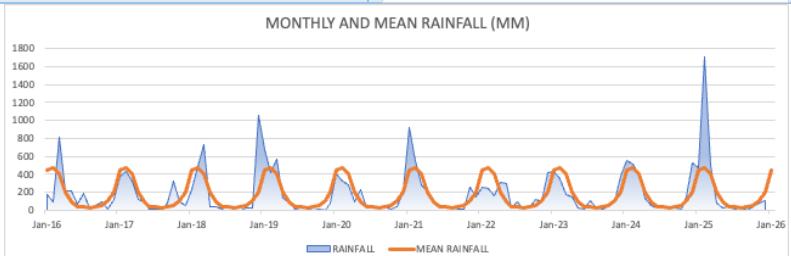
ENVIRONMENTAL CONDITIONS

Cardwell mean monthly rainfall (mm) and temperature (oC)
Wet season Dec-Apr

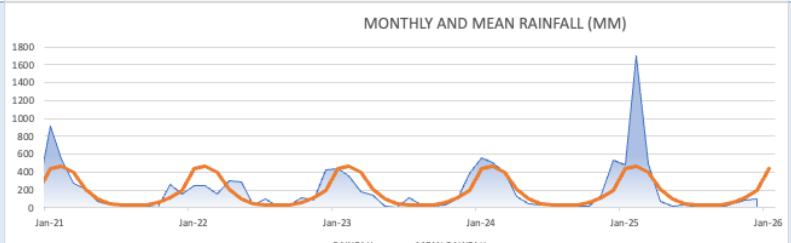
Rainfall	Month	mm
High	Feb	463
	Jan	440
Temp	Month	oC
	Dec-Feb	31



Cardwell monthly and mean rainfall (mm)
2016-2025



Cardwell monthly and mean rainfall (mm)
2021-2025



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%	90%
Error	20%	10%	10%	5%



Seasonality

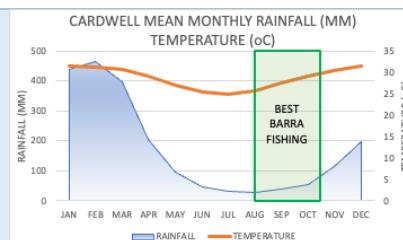
Average rainfall (mm)

Mean maximum day temperature (oC)

Best Barramundi fishing

Months

Aug-Oct



Fishing seasonality

Mean rainfall (mm)

Mean temperature (oC)

Days fished combined

Taggers

Recapture fishers

2021-2025

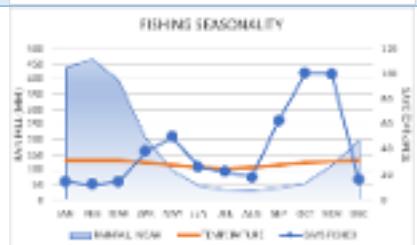
Months most activity

Days fished

Oct

Nov

Sep



Harvest or experiential fishery

Release rate of recaptured legal fish of key species

2021-2025

Key species legal fish kept rate

37

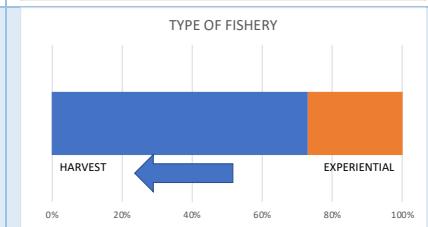
Legal fish

Kept

27 (73%)

Released

10 (27%)



Local or visitor fishery

Where recapture fishers live

2021-2025

Recapture fishers

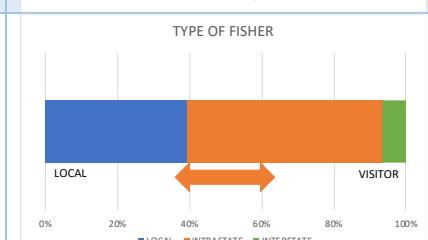
61

Local

24 (39%)

Visitors

33 (61%)



Gender of recapture fishers (ex-taggers)

2021-2025

Recaptures

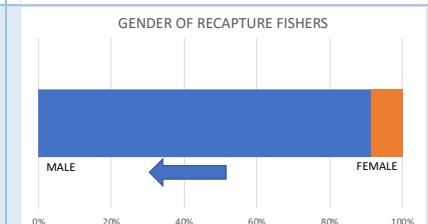
58

Male

53 (91%)

Female

5 (9%)



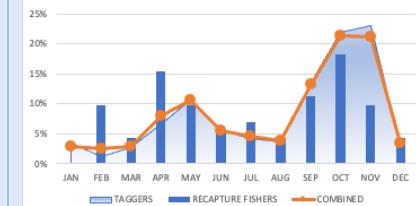
FISHER ACTIVITY

Monthly activity

Days fished combined
Taggers (403)
Recapture fishers (71)
2021-2025

Month	%
Oct	21%
Nov	21%
Sep	13%

HINCHINBROOK DAYS FISHED BY MONTH

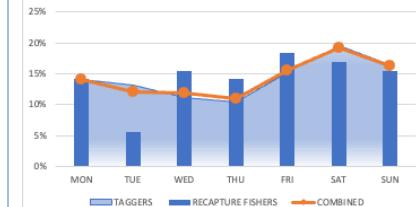


Weekday activity

Days fished combined
Taggers (403)
Recapture fishers (71)
2021-2025

Fished	Day	Weekend	%
	Weekend	Weekdays	35%
	Weekdays	Weekend	65%

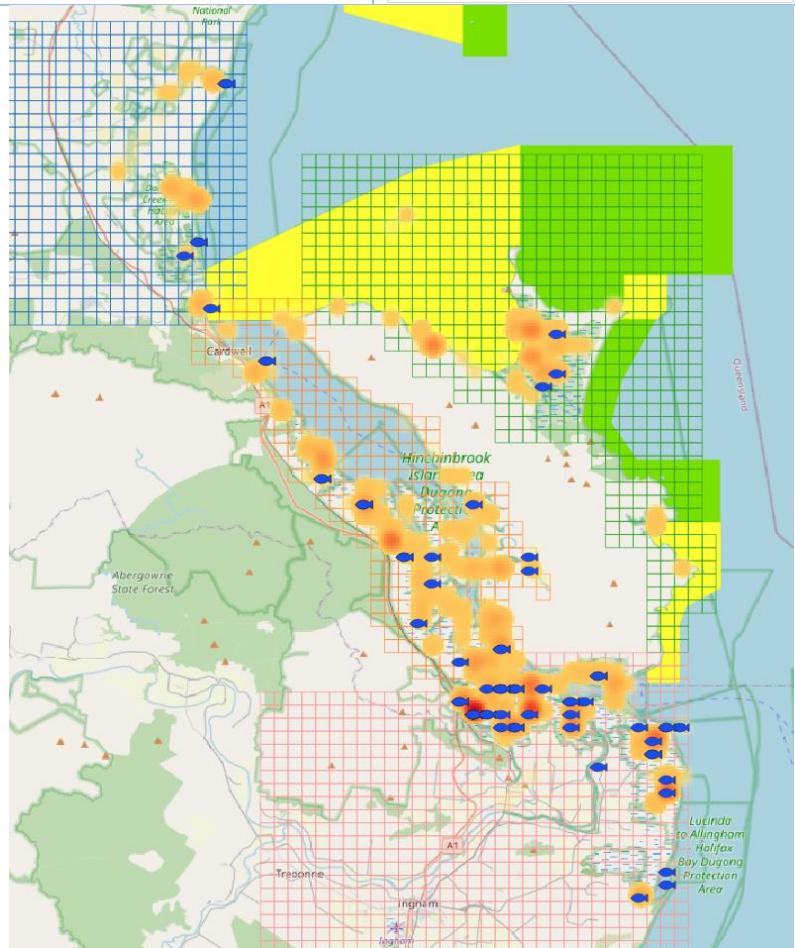
HINCHINBROOK DAYS FISHED BY WEEKDAY



Location activity

Taggers
(red-orange heat map)
Recapture fishers
(blue fish)
2021-2025

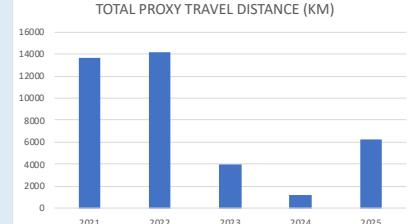
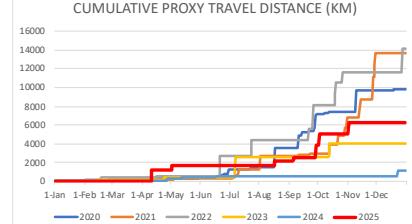
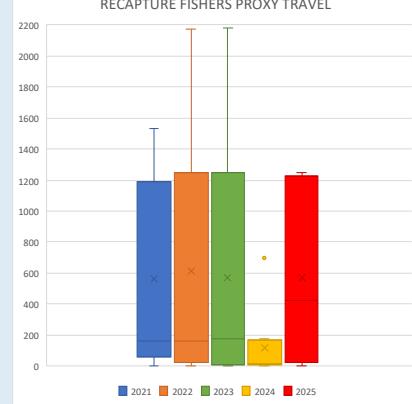
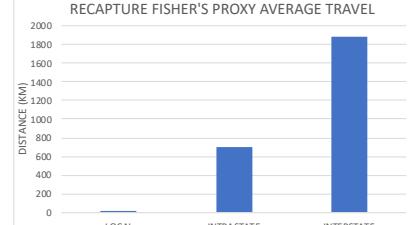
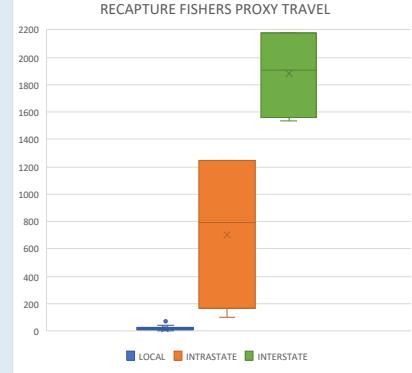
Tagged 1891
Recaptured 77



FISHER EFFORT

Total recaptures 2021-2025	Year	Recaps	<table border="1"> <thead> <tr> <th>Year</th> <th>Recaps</th> </tr> </thead> <tbody> <tr><td>2021</td><td>21</td></tr> <tr><td>2022</td><td>25</td></tr> <tr><td>2023</td><td>8</td></tr> <tr><td>2024</td><td>12</td></tr> <tr><td>2025</td><td>11</td></tr> </tbody> </table>	Year	Recaps	2021	21	2022	25	2023	8	2024	12	2025	11																																																																																																																																																																																																																																								
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FISHER TRAVEL

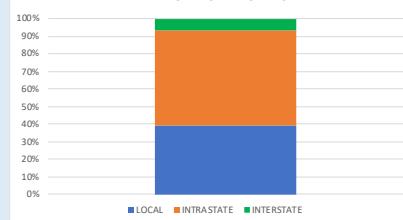
Total distance (km) address to recapture location 2021-2025	Year 2021 2022 2023 2024 2025	Kms 13648 14163 3971 1195 6274	
Cumulative distance (km) address to recapture location 2021-2025			
Distance (km) home to recapture location Bars show distance range Dots show outliers 2021-2025			
Average distance (km) home to recapture location 2021-2025	Av distance (km) Local Intrastate Interstate	19 704 1880	
Distance (km) home to recapture location Bars show distance range Dots show outliers 2021-2025	Local Intrastate Interstate	Range (km) 1-73 98-1532 1246-2178	

WHERE RECAPTURE FISHERS LIVE

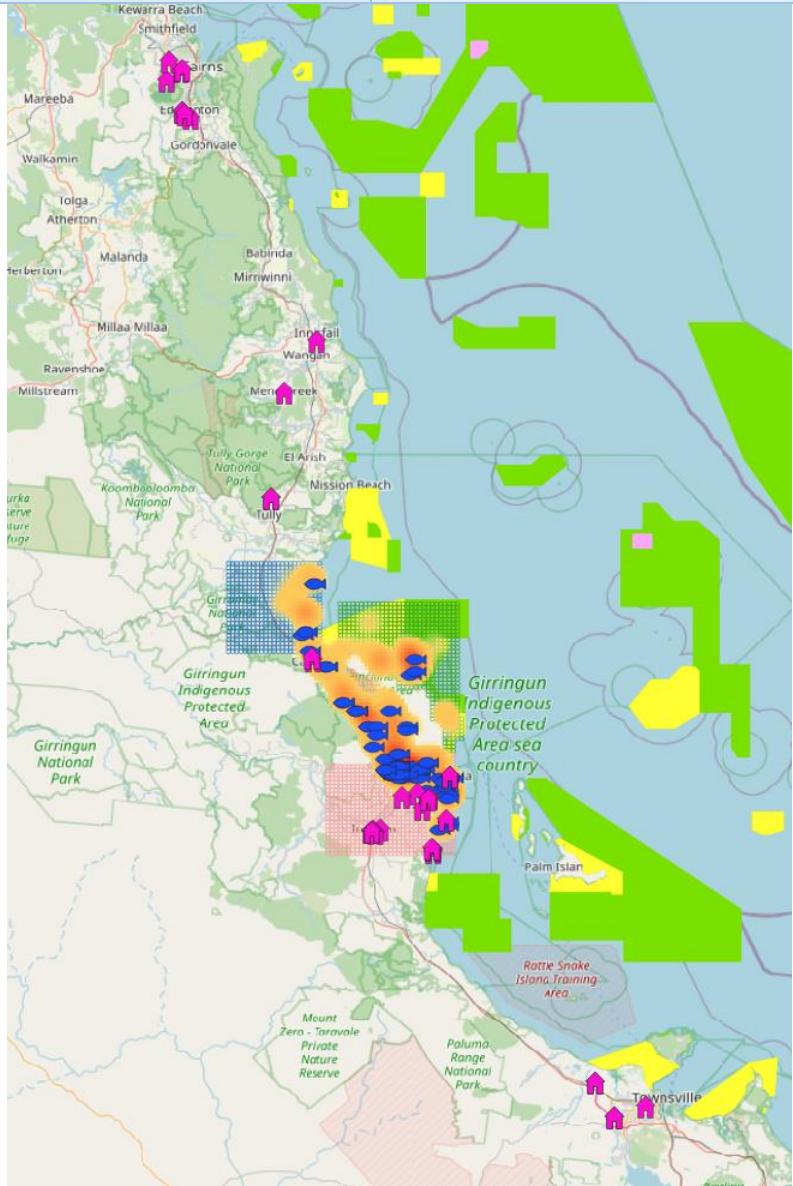
Where recapture fishers live
2021-2025

Recapture fishers	61
Local	24 (34%)
Intrastate	33 (54%)
Interstate	4 (7%)

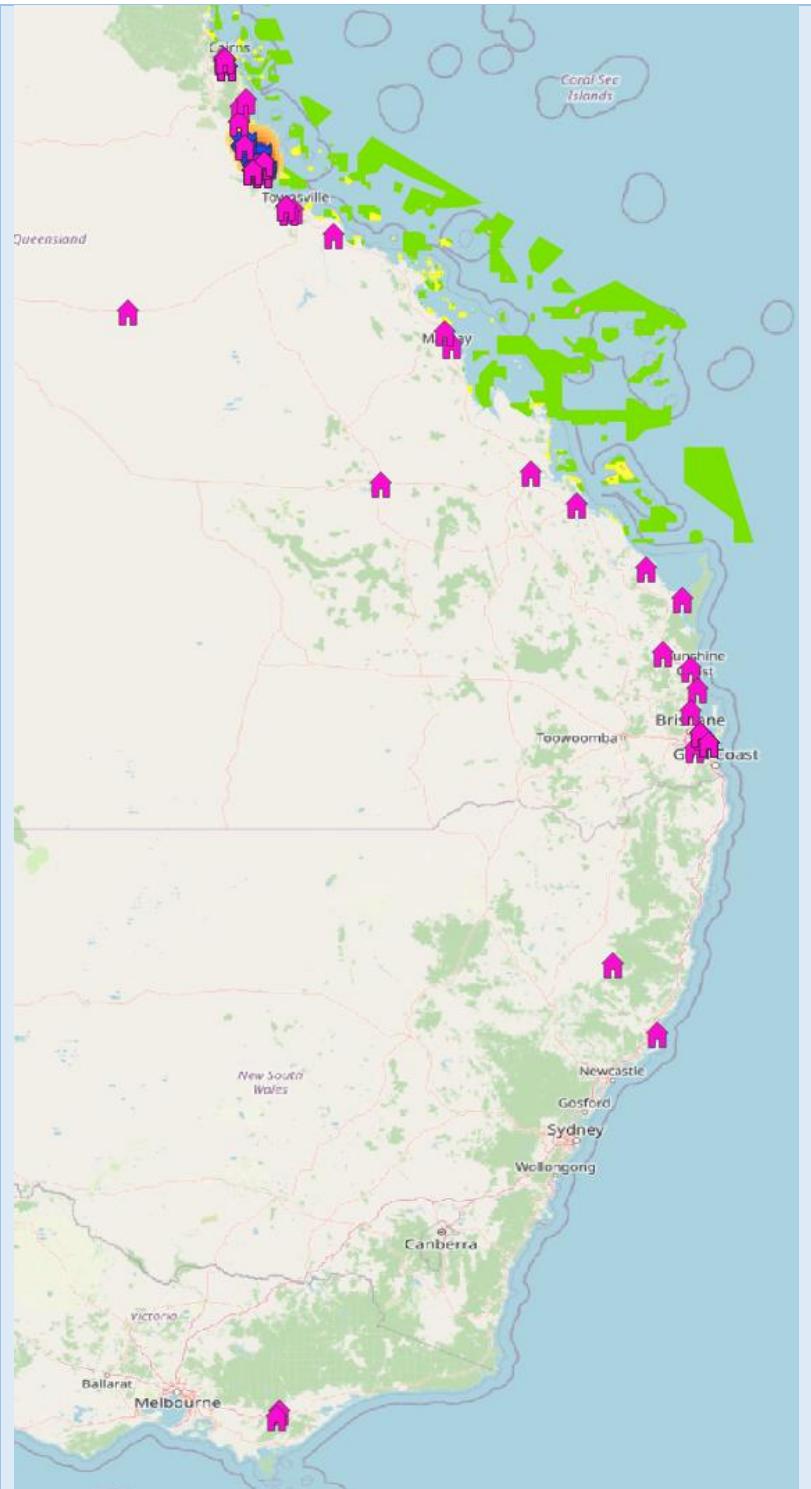
WHERE RECAPTURE FISHERS LIVE

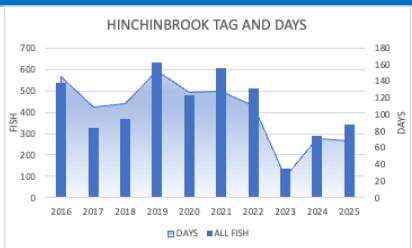


Where fishers recapturing fish live (pink houses)
Cairns-Townsville
2021-2025



**Where all fishers
recapturing fish live (pink
houses)**
**East coast
2021-2025**



KEY SPECIES																																					
BARRAMUNDI	MANGROVE JACK	BARRED JAVELIN																																			
																																					
GOLDSPOTTED ROCKCOD			BLACKSPOTTED ROCKCOD																																		
																																					
TAG AND TAG RATE																																					
Catch and effort taggers number of tagged fish days fished 2016-2025	High Tagged 2019 2023 2025 631 139 344 Days fished 2019 2023 2025 153 25 68	Low 2023 2025 139 344	Now 2025 344	 <p>HINCHINBROOK TAG AND DAYS</p> <p>This dual-axis chart shows the number of days fished (left axis, 0-700) and the number of tagged fish (right axis, 0-180) from 2016 to 2025. The blue bars represent 'DAYS' and the blue line with circles represents 'ALL FISH'.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>DAYS</th> <th>ALL FISH</th> </tr> </thead> <tbody> <tr><td>2016</td><td>550</td><td>160</td></tr> <tr><td>2017</td><td>350</td><td>140</td></tr> <tr><td>2018</td><td>450</td><td>120</td></tr> <tr><td>2019</td><td>600</td><td>160</td></tr> <tr><td>2020</td><td>500</td><td>140</td></tr> <tr><td>2021</td><td>600</td><td>160</td></tr> <tr><td>2022</td><td>500</td><td>140</td></tr> <tr><td>2023</td><td>100</td><td>20</td></tr> <tr><td>2024</td><td>250</td><td>40</td></tr> <tr><td>2025</td><td>350</td><td>60</td></tr> </tbody> </table>	Year	DAYS	ALL FISH	2016	550	160	2017	350	140	2018	450	120	2019	600	160	2020	500	140	2021	600	160	2022	500	140	2023	100	20	2024	250	40	2025	350	60
Year	DAYS	ALL FISH																																			
2016	550	160																																			
2017	350	140																																			
2018	450	120																																			
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2022	500	140																																			
2023	100	20																																			
2024	250	40																																			
2025	350	60																																			
Fish tagged and recaptured 2016-2025	Tagged Recaptured Recapture rate Tagged 2025	4232 190 4.5% 344	 <p>FISH TAGGED AND RECAPTURED HINCHINBROOK</p> <p>This dual-axis chart shows the number of tagged fish (left axis, 0-700) and the number of recaptured fish (right axis, 0-35) from 2016 to 2025. The blue bars represent 'TAGGED' and the orange line with circles represents 'RECAPTURED'.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>TAGGED</th> <th>RECAPTURED</th> </tr> </thead> <tbody> <tr><td>2016</td><td>500</td><td>30</td></tr> <tr><td>2017</td><td>350</td><td>25</td></tr> <tr><td>2018</td><td>300</td><td>15</td></tr> <tr><td>2019</td><td>600</td><td>20</td></tr> <tr><td>2020</td><td>500</td><td>25</td></tr> <tr><td>2021</td><td>600</td><td>20</td></tr> <tr><td>2022</td><td>500</td><td>25</td></tr> <tr><td>2023</td><td>100</td><td>10</td></tr> <tr><td>2024</td><td>200</td><td>15</td></tr> <tr><td>2025</td><td>350</td><td>15</td></tr> </tbody> </table>	Year	TAGGED	RECAPTURED	2016	500	30	2017	350	25	2018	300	15	2019	600	20	2020	500	25	2021	600	20	2022	500	25	2023	100	10	2024	200	15	2025	350	15	
Year	TAGGED	RECAPTURED																																			
2016	500	30																																			
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2023	100	10																																			
2024	200	15																																			
2025	350	15																																			
Tag rate Fish/day 2016-2025	High Tag rate 2023 2017 2025 5.6 3.0 5.1	Low 2017 2025 3.0 5.1	Now 2025 5.1	 <p>HINCHINBROOK TAG RATE</p> <p>This bar chart shows the tag rate (fish/day) from 2016 to 2025. A red dashed line indicates the 10-year average tag rate of 4.0.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>FISH/DAY</th> </tr> </thead> <tbody> <tr><td>2016</td><td>3.5</td></tr> <tr><td>2017</td><td>3.0</td></tr> <tr><td>2018</td><td>3.5</td></tr> <tr><td>2019</td><td>4.0</td></tr> <tr><td>2020</td><td>3.5</td></tr> <tr><td>2021</td><td>4.5</td></tr> <tr><td>2022</td><td>4.0</td></tr> <tr><td>2023</td><td>5.0</td></tr> <tr><td>2024</td><td>4.0</td></tr> <tr><td>2025</td><td>5.0</td></tr> </tbody> </table>	Year	FISH/DAY	2016	3.5	2017	3.0	2018	3.5	2019	4.0	2020	3.5	2021	4.5	2022	4.0	2023	5.0	2024	4.0	2025	5.0											
Year	FISH/DAY																																				
2016	3.5																																				
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2022	4.0																																				
2023	5.0																																				
2024	4.0																																				
2025	5.0																																				

SPECIES

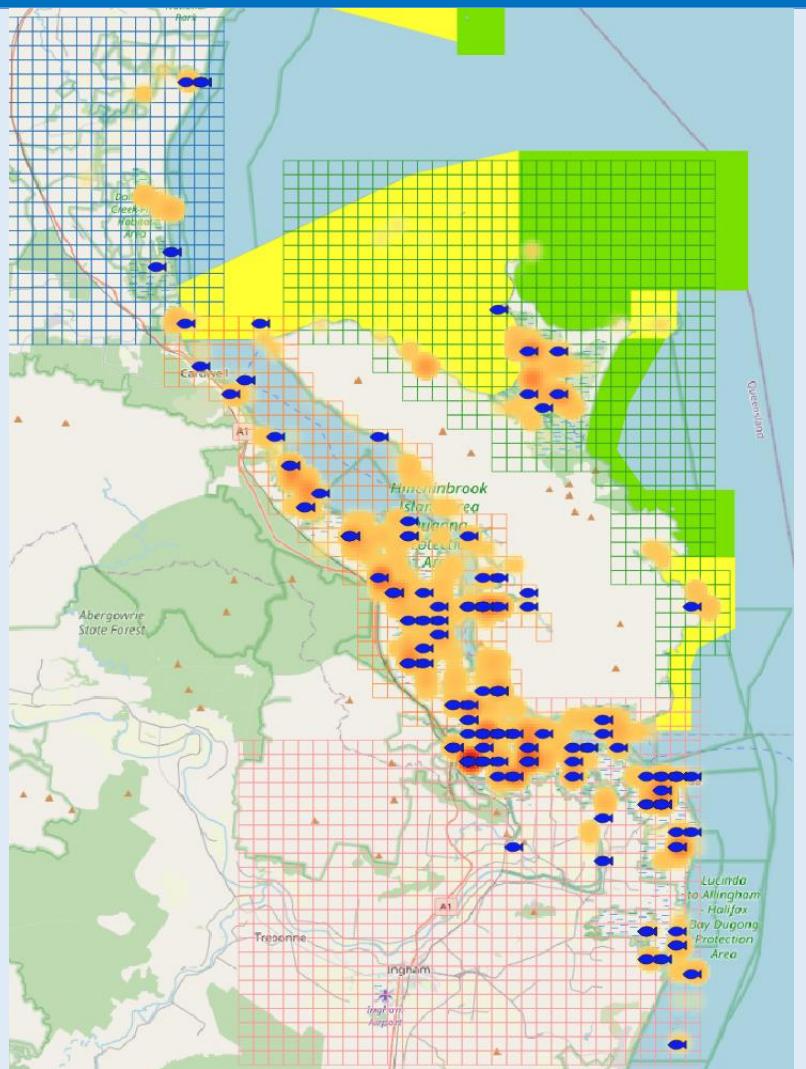
Species composition Numbers tagged 2016-2025	Barramundi	834	
	Mangrove Jack	1025	
	Rockcods	1406	
	Barred Javelin	240	
Species composition Percentage tagged 2016-2025	Barramundi	20%	
	Mangrove Jack	24%	
	Rockcods	33%	
	Barred Javelin	6%	
	All	83%	
Legal fish recaptures by recreational fishers (ex- taggers) kept or released 2016-2025	Species	Kept	
	Barramundi	8 (80%)	
	Mangrove Jack	7 (56%)	
	Rockcod	12 (67%)	
	Key species	37 (73%)	

LOCATIONS

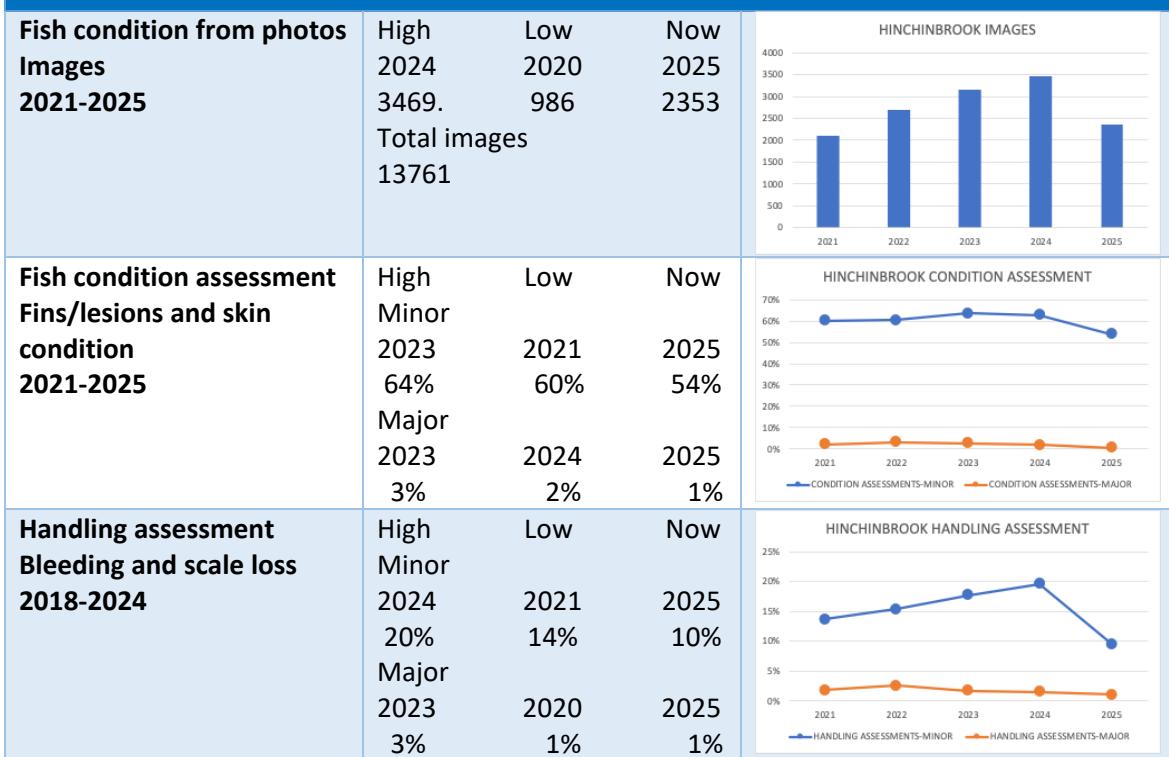
All tagged fish
(red-orange heat map)
All recaptures
(blue dots)
2016-2025

Tagged
Recaptured

4232
190



FISH CONDITION AND HANDLING



BARRAMUNDI



DATA RELIABILITY

Sample size (av fish/year)

Tag days (blue arrow)

Recaptures (orange arrow)

Confidence %

Error %

2021-2025

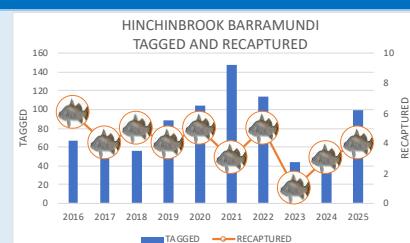
Reliability level	LOW	MODERATE	MODERATE	HIGH
Samples	10	41	68	664
Confidence	80%	80%	90%	95%
Error	20%	10%	10%	5%



TAG AND TAG RATE

Fish tagged and recaptured from year tagged
2016-2025

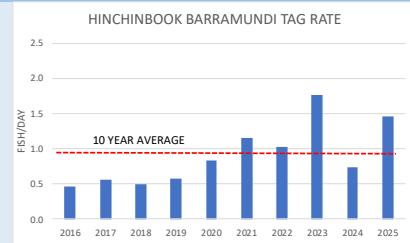
Tagged	834
Recaptured	40
Recapture rate	4.8%
Tagged 2025.	99



TAG RATE

Tag rate
Fish/day
2016-2025

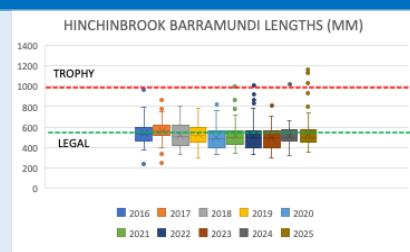
High	Low	Now
Tag rate		
2023	2018	2025
1.8	0.5	1.5
10 year average		0.8



LENGTHS

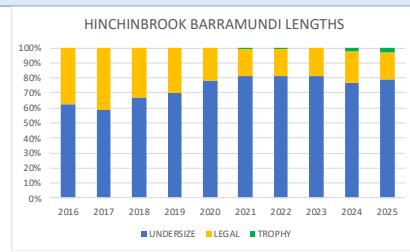
Average length (mm)
Bars show length range
Dots show outliers
2016-2025

High	Low	Now
Average length		
2017	2020	2025
558	492	532
Max		
2022	2019	2025
1005	780	1170



Fish lengths percentage
Undersize <580mm
Legal 580-1000mm
Trophy 1000+mm
2016-2025

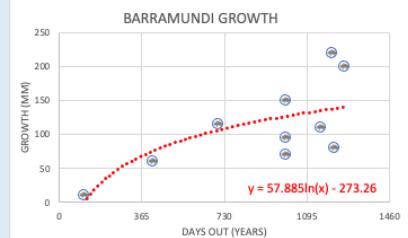
High	Low	Now
Legal-Trophy		
2017	2022	2025
41%	18%	18%
Trophy		
2024	16-20	2025
2%	0%	3%



GROWTH

Barramundi growth at the end of each year based on recaptures fish tagged <580mm 2016-2025

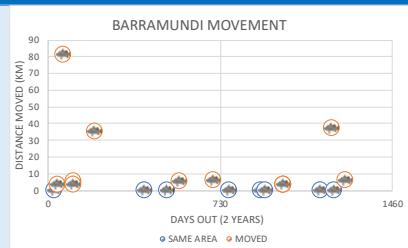
Recaptures	10
Growth (mm)	
Year 1	68
Year 2	108
Year 3	132
Year 4	149



MOVEMENT

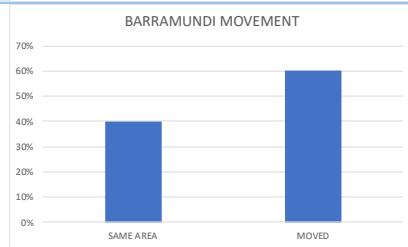
Barramundi movements Hinchinbrook area 2016-2025

Max distance 80km



Barramundi movements Hinchinbrook area 2016-2025

Recaptured 20
Same area 8 (40%)
Moved 12 (60%)

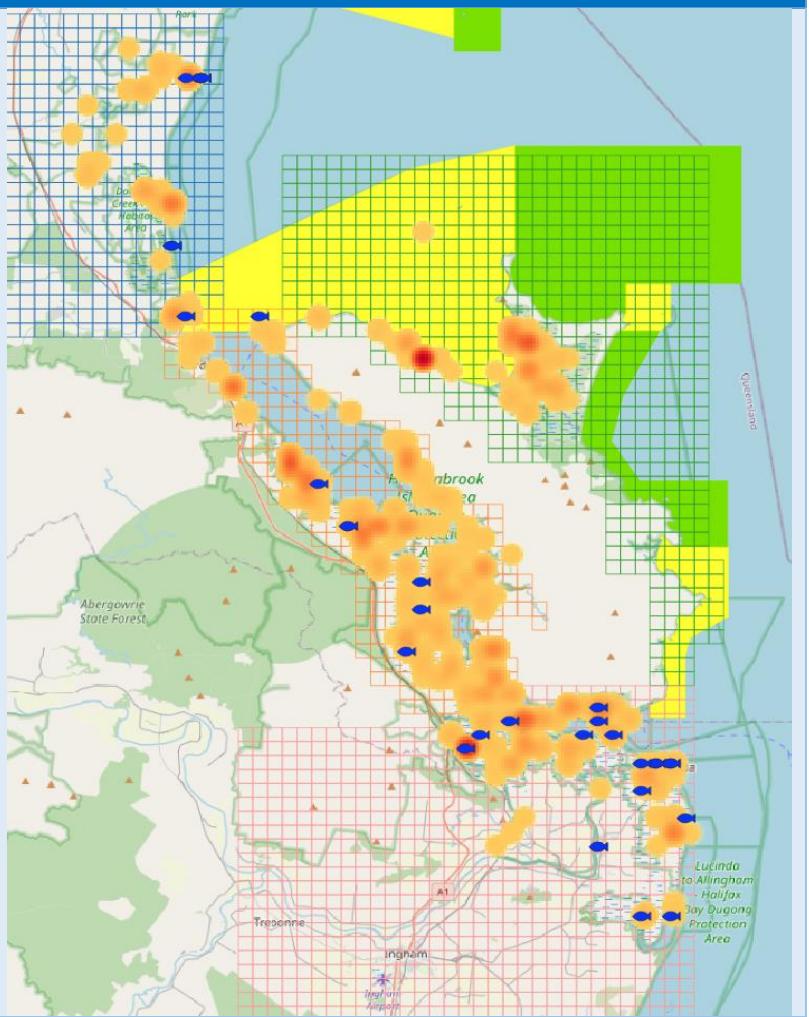


LOCATIONS

**Barramundi tagged
(red-orange heat map)**
**Recaptures
(blue fish)**
2016-2025

**Tagged
Recaptured**

**835
40**



MANGROVE JACK



DATA RELIABILITY

Sample size (av fish/year)

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%	90%
Error	20%	10%	10%	5%



TAG AND TAG RATE

Fish tagged and recaptured from year tagged

2016-2025

Tagged
Recaptures

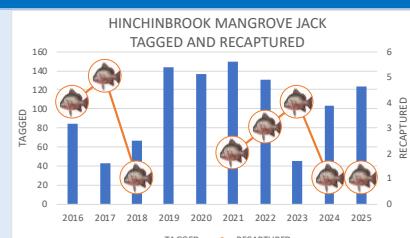
1025
21

Recapture rate.

2.0%

Tagged 2025

123



Tag rate

Fish/day

2016-2025

High

Low

Now

Tag rate

2023

2017

2025

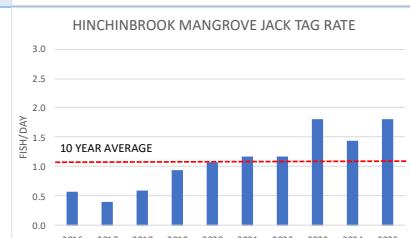
1.8

0.4

1.8

10 year average

0.8



LENGTHS

Average length (mm)

Bars show length range

Dots show outliers

2016-2025

High

Low

Now

Average length

2017

2022

2025

358

331

337

Max

2023

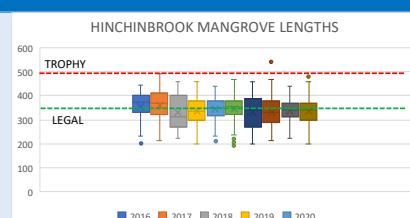
2020

2025

540

440

480



Fish lengths percentage

Undersize <350mm

Legal 350-500mm

Trophy 500+mm

2016-2025

High

Low

Now

Legal-trophy

2017

2022

2025

41%

18%

44%

Trophy

2024

2023

2025

2%

0%

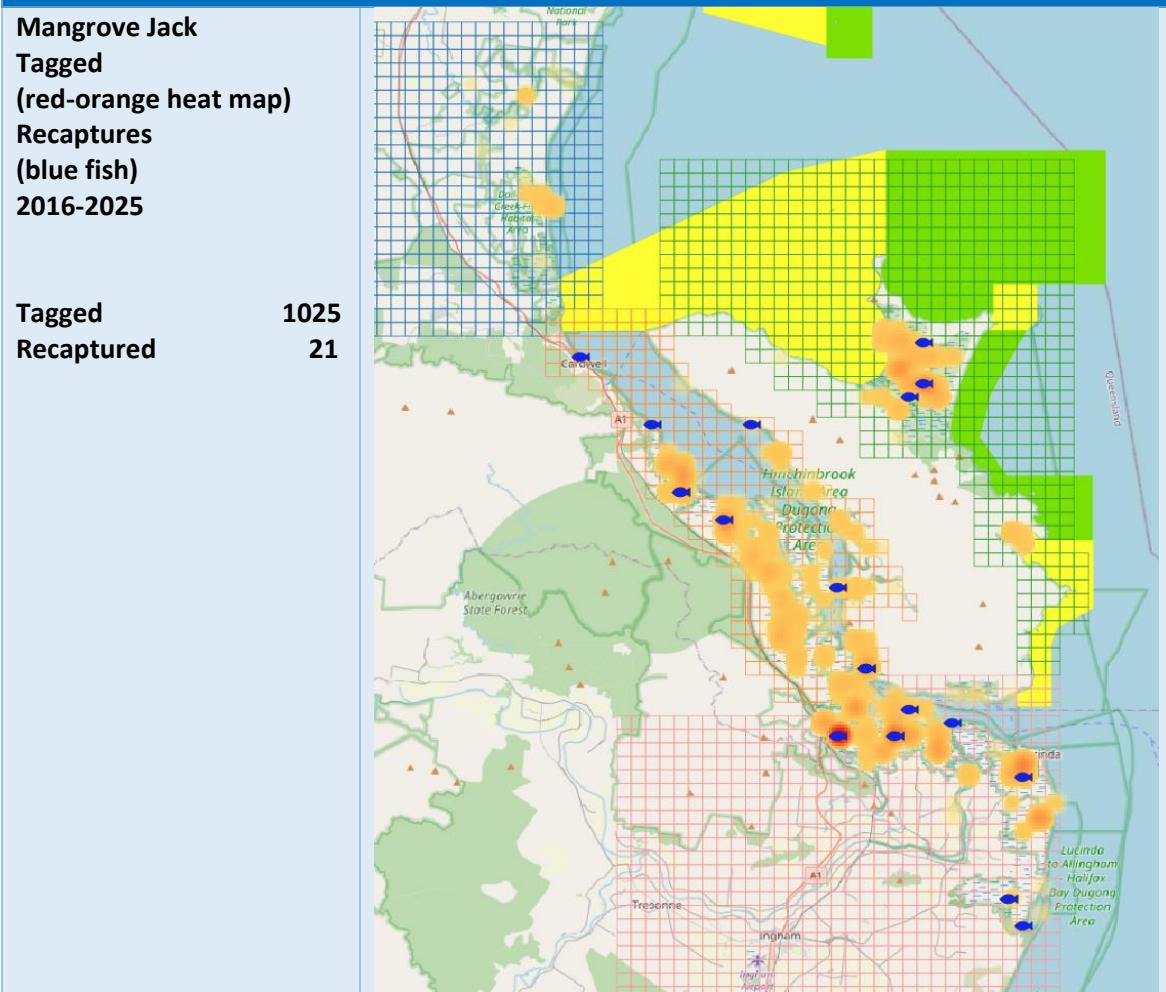
0%



MOVEMENT

Mangrove Jack movements Hinchinbrook area Distance moved (km) 2016-2025	Max distance moved 8km	
Mangrove Jack movements Hinchinbrook area Distance moved (km) 2016-2025	Recaptured 15 Same area 13 (87%) Moved 2 (13%)	

LOCATIONS



ROCKCODS



DATA RELIABILITY

Sample size (av fish/year)

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%

Tag days (blue arrow)

Recaptures (orange arrow)

Confidence %

Error %

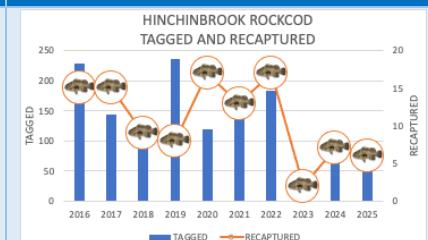
2021-2025



TAG AND TAG RATE

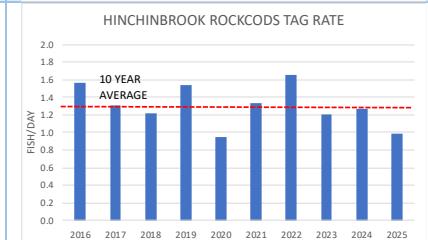
Fish tagged and recaptured from year tagged 2016-2025

Tagged	1406
Recaptured	109
Recapture rate	7.8%
Tagged 2025	109



Tag rate Fish/fisher day 2016-2025

High	Low	Now
Tag rate		
2016	2020	2025
1.6	1.0	1.0
10 year average		1.3



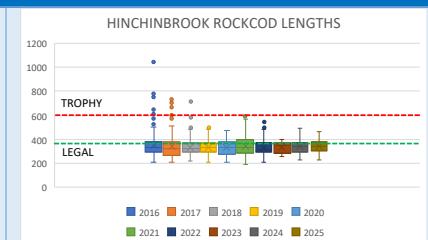
LENGTHS

Average length (mm)

High	Low	Now
Both species		

Average length

2016	2015	2025
342	328	337
Max		
2016	2020	2025
1050	470	460



Fish lengths percentage

High	Low	Now
Both species		

Undersize <380mm

Legal-Trophy		
2021	2023	2025

Legal 380-600mm

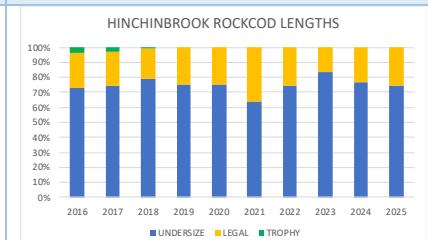
36%	17%	26%
-----	-----	-----

Trophy 600+mm

Trophy		
2016	19-24	2025

2016-2025

4%	0%	0%
----	----	----



MOVEMENT

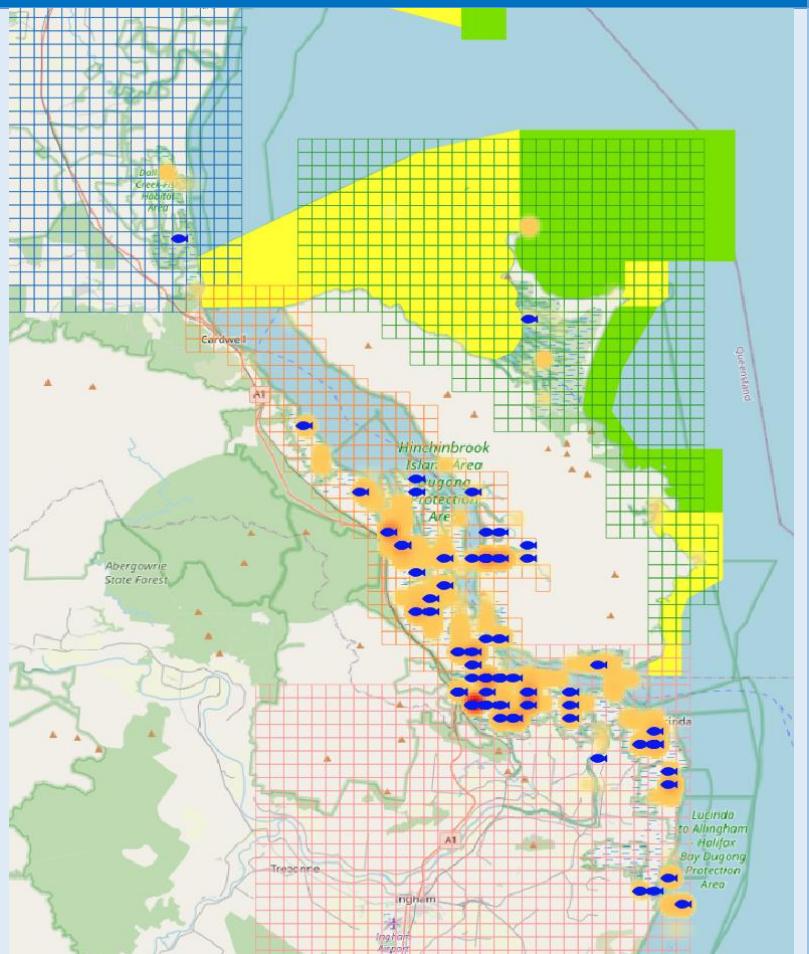
Rockcod movements Hinchinbrook area Distance moved (km) 2016-2025	Max distance moved 80km	
Rockcod movements Hinchinbrook area 2016-2025	Recaptured Same area 69 (77%) Moved 21 (23%)	
Blackspotted Rockcod movement offshore 2016-2025 <p>Tagged Tag Y01911 Date 22/11/2019 Length 280mm Location Round Hill Creek</p> <p>Recaptured Date 7/4/2023 Length 430mm Location Eddy Reef Moved. 80km</p>		

LOCATIONS

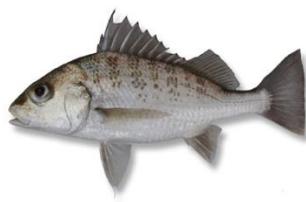
Rockcod
Tagged
(red-orange heat map)
Recaptures
(blue fish)
2016-2025

Tagged
Recaptured

1406
109



JAVELIN



DATA RELIABILITY

Sample size (av fish/year)

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

Tag days (blue arrow)

Recaptures (orange arrow)

Confidence %

Error %

2021-2025



TAG AND TAG RATE

Fish tagged and

Tagged 233

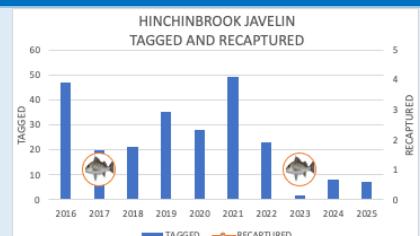
recaptured

Recaptured 2

2016-2025

Recapture rate 0.9%

Tagged 2025 7



Tag rate

High Low Now

Fish/fisher day

Tag rate

2016-2025

2021 2023 2025

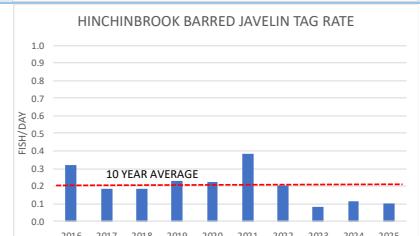
0.4

0.1

10 year average

0.1

0.2



LENGTHS

Average length (mm)

High Low Now

Bars show length range

Average length

2016-2025

2018 2016 2025

375

331

NA

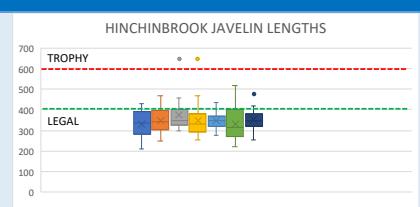
Max

2019 2016 2025

650

430

NA



Fish lengths percentage

High Low Now

Undersize <400mm

Legal-Trophy

2018

2020

30%

7%

NA

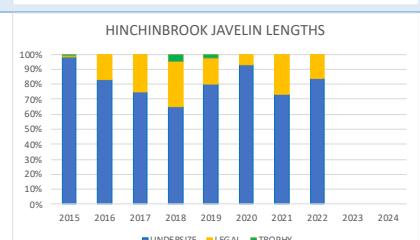
Trophy

2018 20-24 2025

5%

0%

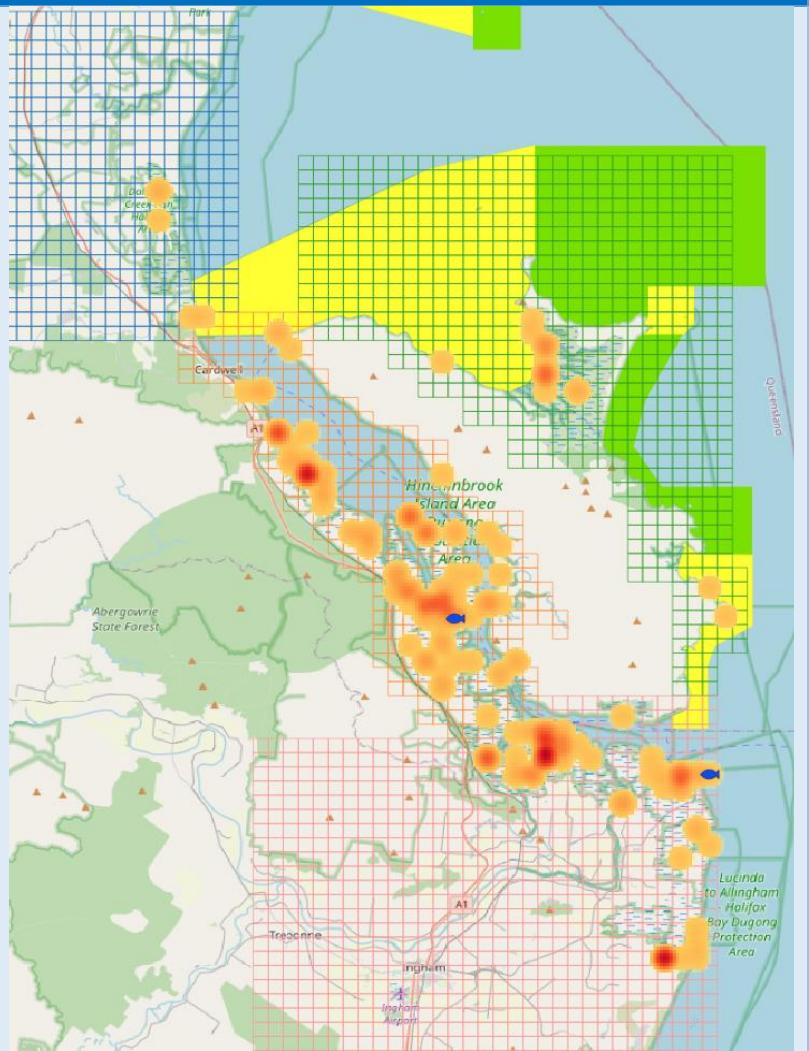
NA



LOCATIONS

Barred Javelin
Tagged
(red-orange heat map)
Recaptured
(blue dots)
2016-2025

Tagged
Recaptured



4LB CLUB COMPETITIONS

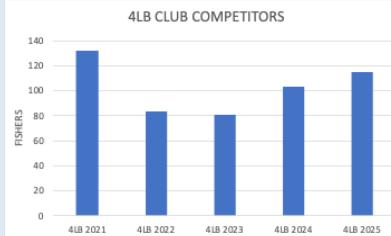
Event
4lb club 2021
4lb club 2022
4lb club 2023
4lb club 2024
4lb club 2025



COMPETITIONS

Competitors

	Fishers
4LB 2021	132
4LB 2022	83
4LB 2023	81
4LB 2024	103
4LB 2025	115



Timeline of events

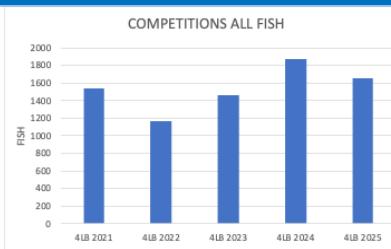
	Dates
4lb club 2021	15-16/10/2021 (2 days)
4lb club 2022	21-22/10/2022 (2 days)
4lb club 2023	11-12/8/2023 (2 days)
4lb club 2024	16-17/8/2024 (2 days)
4lb club 2025	5-6/9/2025 (2 days)



CATCH

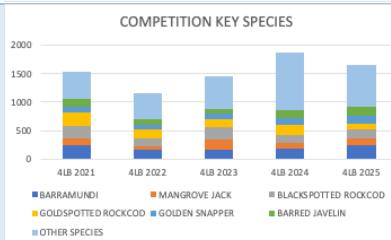
Catch (all fish)

	Total catch
4LB 2021	1544
4LB 2022	1160
4LB 2023	1456
4LB 2024	1868
4LB 2025	1661



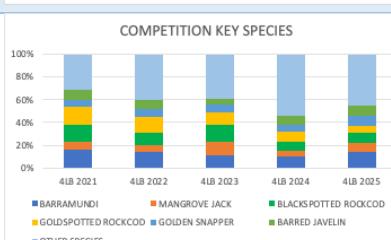
Key species caught

	Barra	M Jack
4LB 2021	249	105
4LB 2022	167	63
4LB 2023	162	174
4LB 2024	188	101
4LB 2025	237	129



Key species caught

	Key	Other
4LB 2021	69%	31%
4LB 2022	60%	40%
4LB 2023	61%	39%
4LB 2024	46%	54%
4LB 2025	55%	45%

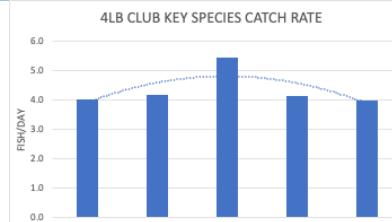


CATCH RATE

Catch rate	All fish	4LB CLUB CATCH RATE
All fish	4LB 2021	5.8
Fish/day	4LB 2022	7.0
	4LB 2023	9.0
	4LB 2024	9.1
	4LB 2025	7.2

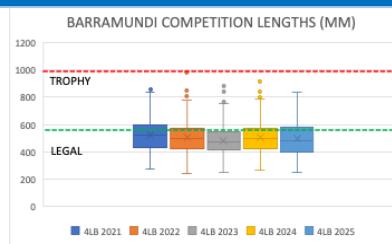


Catch rate	Key species	4LB CLUB KEY SPECIES CATCH RATE
Key species combined	4LB 2021	4.0
Fish/day	4LB 2022	4.2
	4LB 2023	5.5
	4LB 2024	4.1
	4LB 2025	4.0



LENGTHS

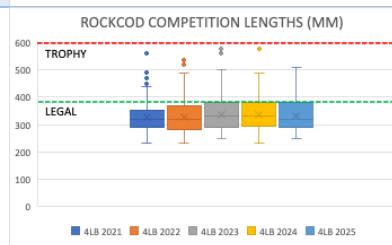
Barramundi lengths	Av length (mm)	BARRAMUNDI COMPETITION LENGTHS (MM)
4LB 2021	520	
4LB 2022	503	
4LB 2023	484	
4LB 2024	503	
4LB 2025	494	



Mangrove Jack lengths	Av length (mm)	MANGROVE JACK COMPETITION LENGTHS (MM)
4LB 2021	354	
4LB 2022	348	
4LB 2023	332	
4LB 2024	343	
4LB 2025	342	



Rockcod Blackspotted Rockcod Goldspotted Rockcod lengths	Av length (mm)	ROCKCOD COMPETITION LENGTHS (MM)
4LB 2021	326	
4LB 2022	326	
4LB 2023	336	
4LB 2024	337	
4LB 2025	332	



Pikey Bream lengths	Av length (mm)	GOLDEN SNAPEP Competition Lengths (mm)
4LB 2021	NA	
4LB 2022	362	
4LB 2023	344	
4LB 2024	366	
4LB 2025	333	



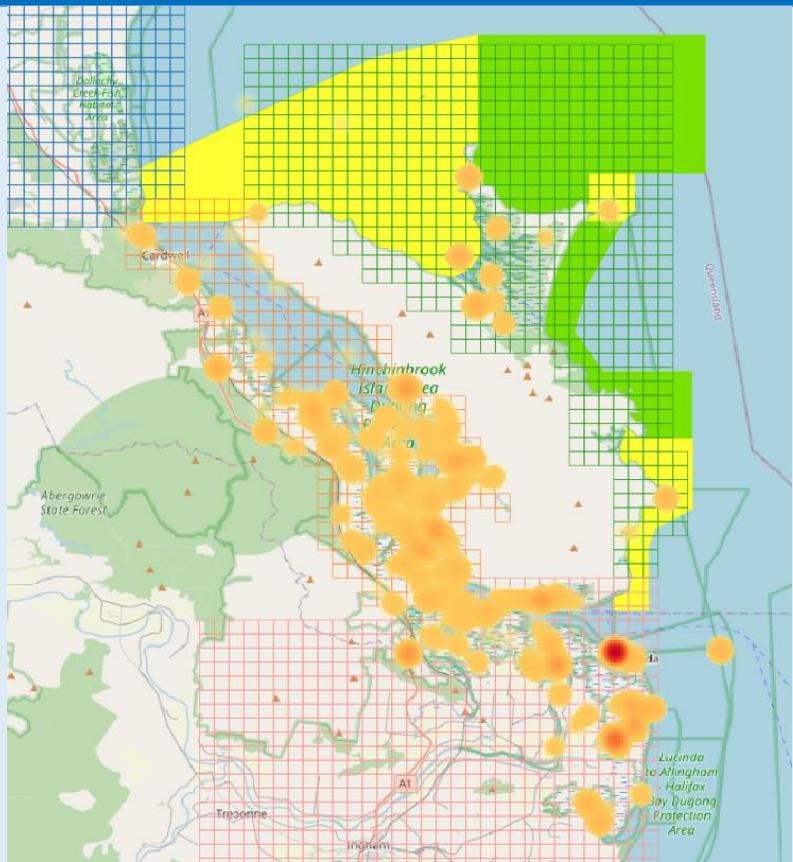
Barred Javelin lengths	Av length (mm)	COMPETITION JAVELIN LENGTHS (MM)
4LB 2021	360	
4LB 2022	378	
4LB 2023	355	
4LB 2024	359	
4LB 2025	355	



LOCATIONS

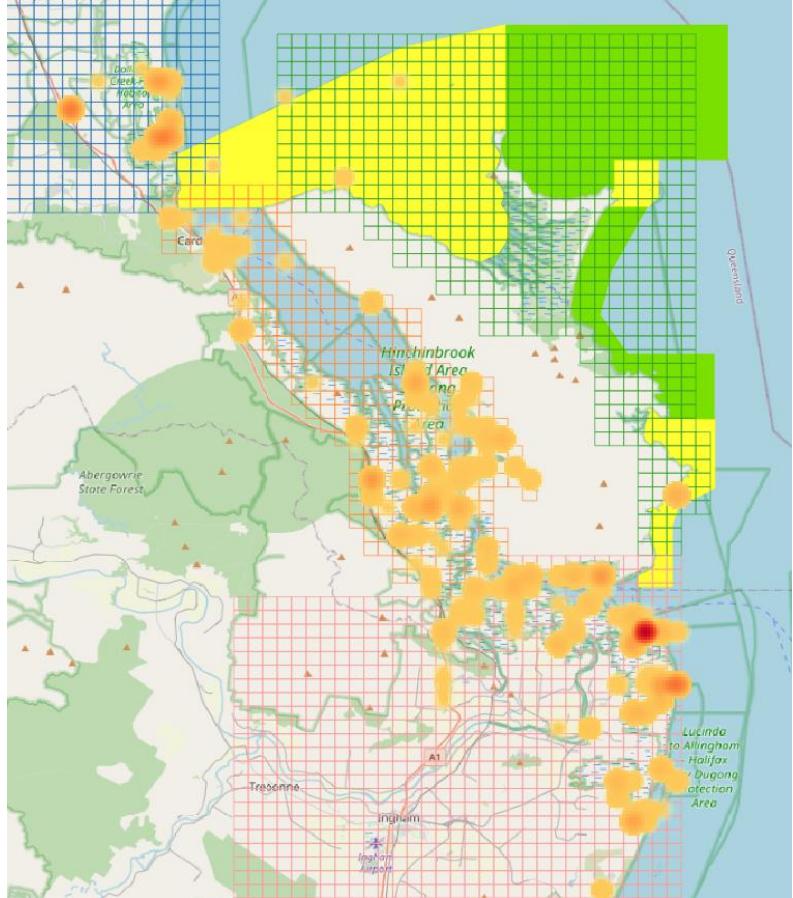
Locations
(red-orange heat map)
Combined
4lb club 2021

All fish 1544



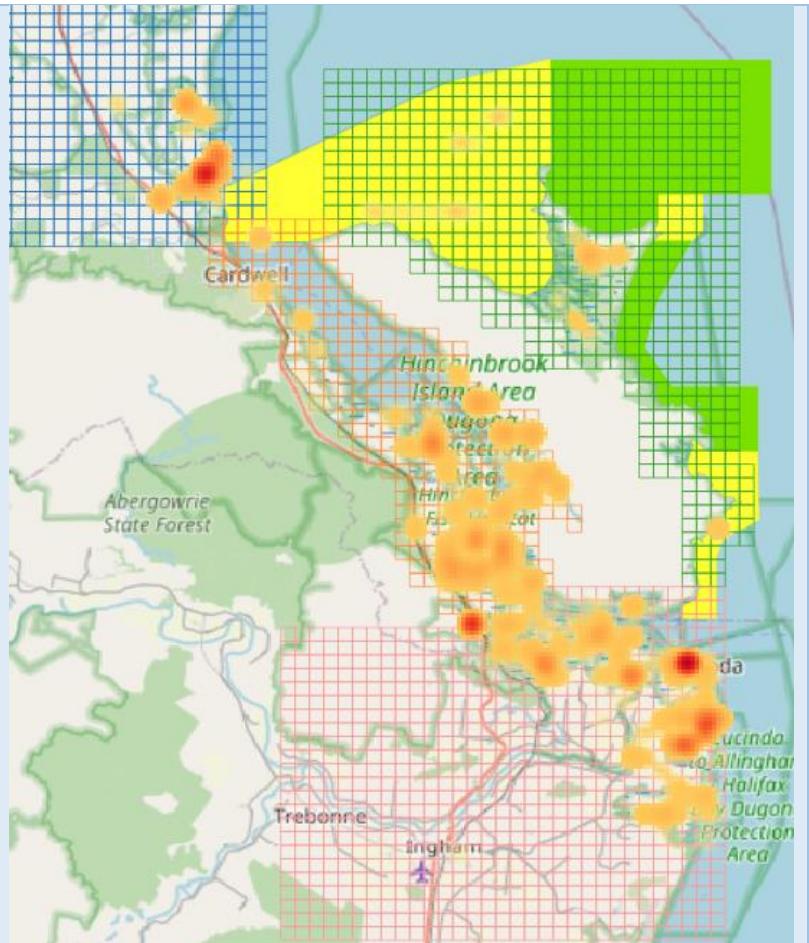
Locations
(red-orange heat map)
Combined
4lb club 2022

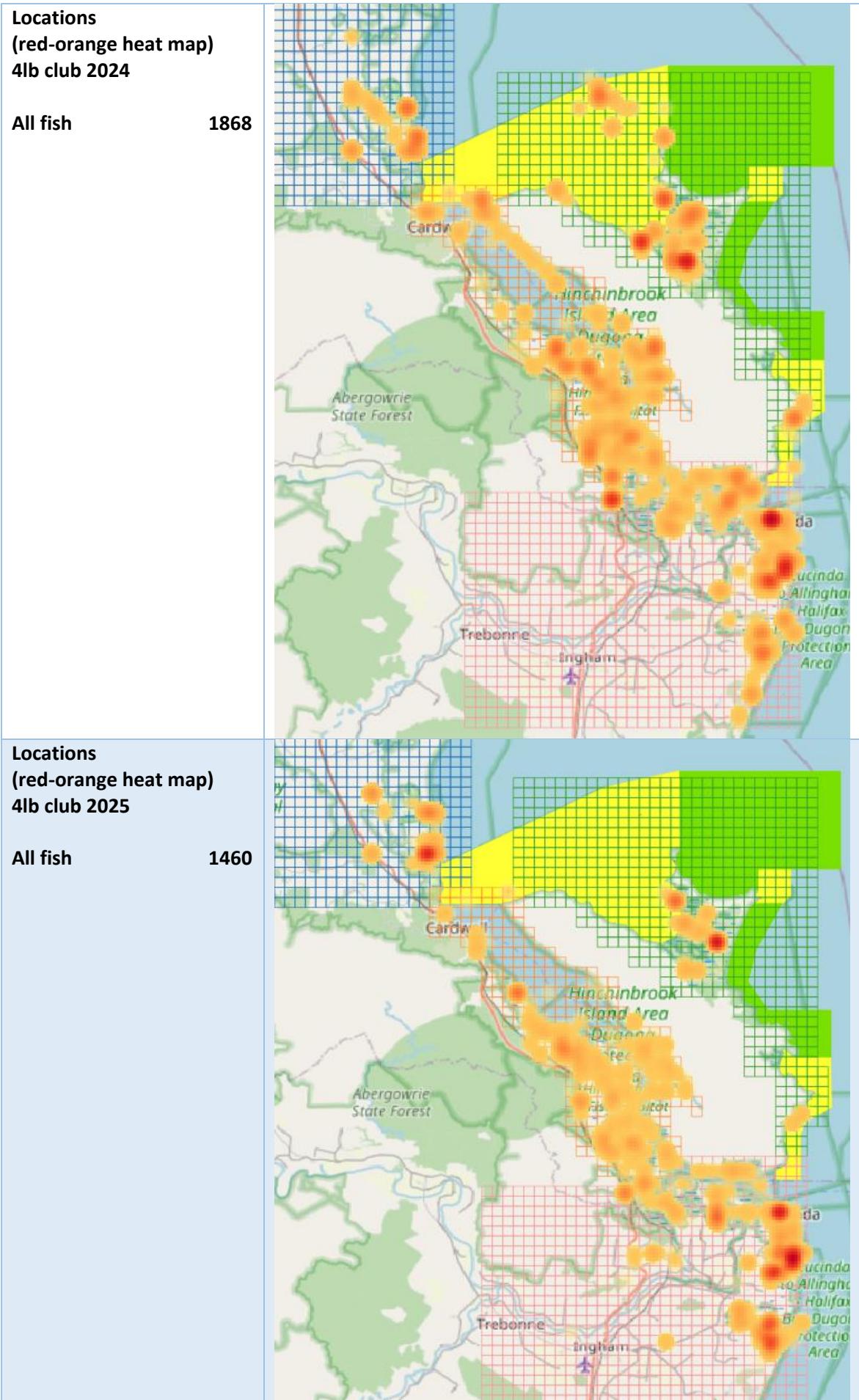
All fish 1160



**Locations
(red-orange heat map)
4lb club 2023**

All fish 1456





Data sources

Data used in the Hinchinbrook Crystal Bowl are:

- Tag records and recapture records at <http://crystalbowl.infofishaustralia.com.au/>.
- Cardwell rainfall records from station 032004 and Upper Murray station 032109 at <http://www.bom.gov.au/climate/data/>.
- 4lb club competition records from Infofish Australia Trackmyfish app.

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/day for taggers with a minimum of 12 fisher days (at least 1 per month) to provide a reliable catch rate.
- For Barramundi undersized fish are <580mm, legal fish are >=580 and <1000mm and trophy fish are >=1000mm.
- For Mangrove Jack undersized fish are <350mm, legal fish are >=350 and <500mm and trophy fish are >=500mm.
- For Rockcod undersized fish are <380mm, legal fish are >=380 and <600mm and trophy fish are >=600mm.
- For Barred Javelin undersized fish are <400mm, legal fish are >=400 and <600mm and trophy fish are >=600mm.
- Analysis of Goldspotted Rockcod and Blackspotted Rockcod is based on combined records as the species are closely related, occupy similar habitat, and have the same level of catchability.
- Growth calculated using logarithmic curve from recaptures where fish were out for 90 days or more and had positive growth.
- Locations based on Infofish grid maps HCC, HIC, IGH, and KR01 and other grid maps where fish were recaptured outside the area.
- Movement has been calculated as the shortest distance by water from the tag to the recapture location derived from Google Earth.
- Distance from fisher's address to recapture location is the straight-line distance between locations based on Google Earth coordinates with Local <80, Instate >=80 and Qld postcode, Interstate postcode other than Qld.

The following tables were used to assess fins and skin.

Fins		
Variable Condition	Designation	Score
No Active Erosion	0	0
Light Active Erosion	1	10
Moderate Active Erosion with some haemorrhage	2	20
Severe Active Erosion with some haemorrhage	3	30

Skin		
Variable Condition	Designation	Score
Normal no aberrations	0	0
Mild skin aberrations	1	10
Moderate skin aberrations	2	20
Severe skin aberrations	3	30

- The following tables were used to assess fish handling.

Scale loss		
Variable Condition	Designation	Score
No scale loss	0	0
Mild scale loss (individual visible)	1	10
Moderate scale loss (single patch of scales)	2	20
Severe scale loss (multiple patches/complete)	3	30

Bleeding		
Variable Condition	Designation	Score
No bleeding	0	0
Mild bleeding (single wound/single patch of blood)	1	10
Moderate bleeding (more than one wound/blood visible in fish mat/surrounds)	2	20
Severe bleeding (multiple wounds/blood visible in large amounts on fish and mat/surrounds)	3	30