



CAPRICORN COAST REVIEW JUNE 2025

INFORMATION RATING



Key species: Barramundi, Dusky Flathead, Barred Javelin, Red Emperor

Fish timeframe: 2016-2025 Jan-Jun Fisher timeframe: 2021-2025 Jan-Jun

The Capricorn Coast fishery is in 2 parts. Estuary fishing is in small creek systems including Coorooman Creek, Causeway Lake, Ross Creek and Corio Bay. Offshore fishing for both pelagic and reef species with the focus around the Keppel Islands and islands off Emu Park.

Fisher activity in 2025 has followed a similar pattern to that of the last few years. Each year fishing in the creeks is influenced by the Barramundi season. There is a peak in activity in Feb at the start of the season and also in Oct at the end of the season and the fishing pressure for Barramundi is high with a recapture rate of 20.4%.

The Capricorn Coast is mostly a local fishery with 90% of fishers recapturing fish being from the local coast area and Rockhampton with most visiting fishers coming from Central and SE Qld. The fishery is mostly a harvest fishery with over 60% of legal key species recaptured being kept.

Key species in the estuaries are Barramundi, Flathead and Javelin accounting for 54% of the fish tagged. Following the introduction of the Net Free Zone in late 2015 there was a surge in Barramundi tagged and recaptured from 2016-2018 with an increase in effort however that dropped off in 2020 due to the impact of Covid restrictions and remains lower. This could be a reflection of a reduction in the population with limited recruitment and/or a high harvest rate.

There has been an upsurge in the tagging of trophy Barramundi following the introduction of live scope sounder technology making it easier to find and target these fish. The tag rate for trophy Barramundi has risen from 2% in 2022 to 27% so far this year.

Barramundi is the only species where there have been recaptures outside the area with 2 fish being recaptured to the north and 3 fish recaptured to the south in the Fitzroy River.

Red Emperor, Coral Trout, Saddletail Snapper, and Crimson Snapper are key reef species where most of the legal catch is retained. Around the Keppel Islands is a key area for juvenile Red Emperor. It is likely that they move to deeper water as they mature as it is rare for legal sized fish to be recaptured around the islands. While the recapture rate for this species is high at 16.5% no legal sized fish have been recaptured. Red Emperor is a reef species that has a high survival rate on release with several fish being recaptured more than once.



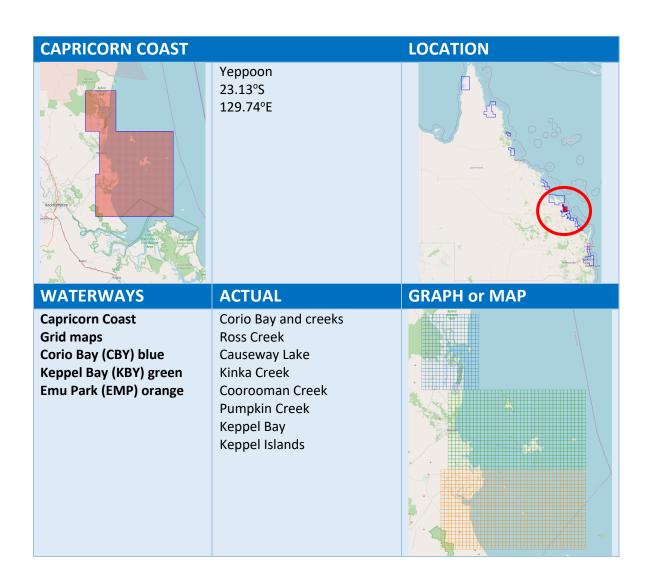


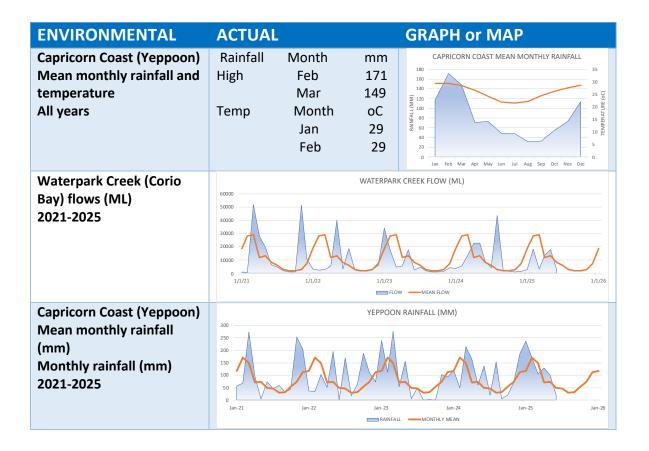




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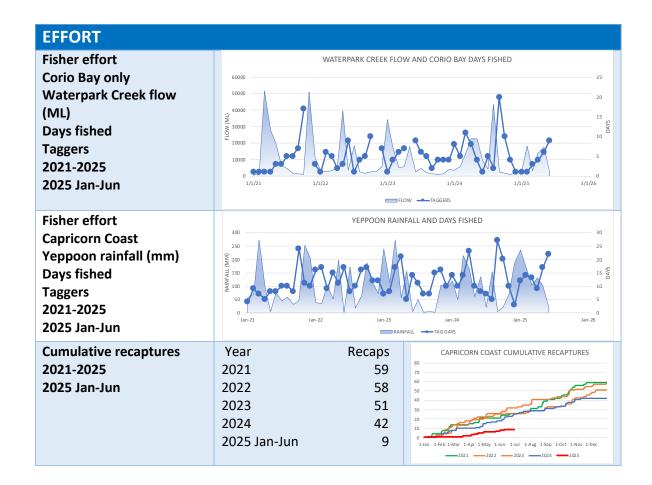
Supported by Suntag and Department of Agriculture and Fisheries





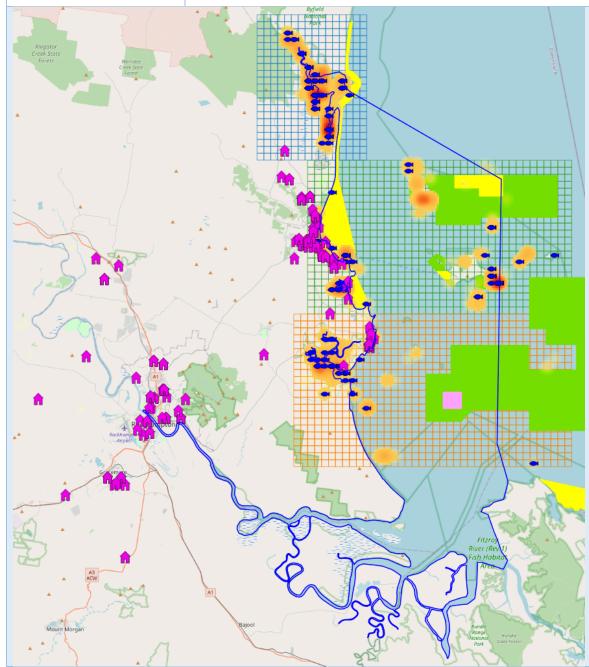
| FISHERS | ACTUAL | | GRAI | PH or MAP | |
|--|--|-------------------------------------|---|----------------------------------|--|
| DATA RELIABILITY | | | | | |
| Sample size (days fished) Tag days (blue arrow) Recaptures (orange arrow) Confidence % Error % 2021-2025 | Reliability level LOW Samples 10 Confidence 80% Error 20% | 80% | MODERATE 8 90% 10% | MODERATE 271 384 90% 5% | HIGH 664 95% 99% 5% 5% |
| TYPE OF FISHERY | | | | | |
| Seasonality Mean rainfall (mm) Temperature (oC) Days fished combined Taggers Recapture fishers 2021-2025 | Months n Fishers combined (Oct last month of Barramundi open s | nost effort Oct Apr eason) | 180 160 140 140 170 100 100 100 40 20 0 | Feb Mar Apr May Jun Jul A | 120 100 80 SAG (9) 40 WH 40 WH 20 0 |
| Harvest or experiential fishery Release rate of recaptured legal fish of key species 2021-2025 2025 Jan-Jun | Barramundi and Fla legal fish kept rate Legal fish Kept Released | 153 96 (63%) 57 (37%) | HARVEST 0% | TYPE OF FISHEI | EXPERIENTIAL 100% |
| Local or visitor fishery Where recapture fishers live 2021-2025 2025 Jan-Jun | Recapture fishers Local Visitor | 218 196 (90%) 22 (10%) | LOCAL 0% | TYPE OF FISHE | VISITOR |
| Gender of recapture fishers (ex-taggers) 2021-2025 2025 Jan-Jun | Recaptures Male Female | 131 122 (93%) 9 (7%) | MALE 0% | GENDER OF RECAPTUR | FEMALE 100% |

| ACTIVITY | | | | |
|--|-------------------|--|-------------------------------|---|
| Monthly activity Days fished Taggers (658) Recapture fishers (193) 2021-2025 2025 Jan-Jun | Taggers Recaps | Month Oct Apr Oct Feb | % 12% 11% 17% 15% | CAPRICORN COAST MONTHLY ACTIVITY 18% 16% 14% 15% 16% 16% 16% 16% 16% 16% 16% 16% 16% 16 |
| Weekday activity Days fished Taggers (658) Recapture fishers (193) 2021-2025 2025 Jan-Jun | Taggers Recaps | Day Weekend Weekdays Weekend Weekdays | % 35% 65% 38% 62% | CAPRICORN COAST WEEKDAY ACTIVITY 25% 20% 15% 00% MON TUE WED THU FRI SAT SUN TAGGERS RECAPTURE FISHERS — COMBINED |
| Fisher activity Taggers (2518) (red-orange heat map) Recapture fishers (221) (blue fish) GBRMPA zones (No fishing green) (Conservation yellow) (Preservation pink) Net Free Zone (blue outline) 2021-2025 2025 Jan-Jun | | byfield National Fair Fair Fair Fair Fair Fair Fair Fair | | |

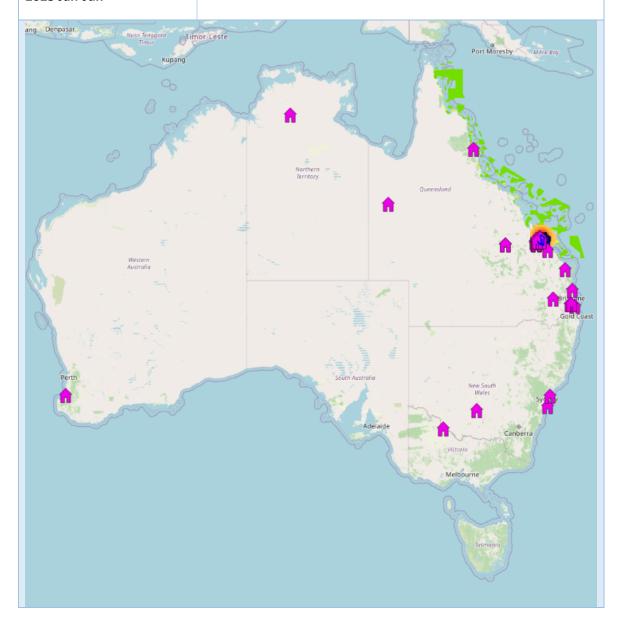


| TRAVEL | | | |
|--|--|---|---|
| Cumulative distance (km) home to recapture location 2021-2025 2025 Jan-Jun | Year 2021 2022 2023 2024 2025 Jan-Jun | Km 4386 6592 1684 9501 197 | CAPRICORN COAST CUMULATIVE DISTANCE (KM) 1000 900 6000 5000 4000 13an 1-Feb 1-Mar 1-Apr 1-May 1-Jun 1-Jul 1-Aug 1-Sep 1-Oct 1-Nov 1-Dec 2021 2022 2023 2024 2025 |
| Distance (km) home to recapture location 2021-2025 2025 Jan-Jun Distance (km) home to recapture location Bars show distance range Dots show outliers 2021-2025 2025 Jan-Jun | Local Intrastate | inge (km) 1-59 62-1200 1117-3605 | DISTANCE HOME TO RECAPTURE LOCATION (KM) 500 400 100 X CAPRICORN COAST TRAVEL PROXY (KM) 500 500 500 500 500 500 500 5 |
| Average distance (km) from home to recapture location 2021-2025 2025 Jan-Jun | Av dis Local Intrastate Interstate | tance (km) 29 363 1818 | RECAPTURE FISHER'S AVERAGE DISTANCE (KM) 2000 1800 1400 1200 1200 1000 800 600 400 200 LOCAL INTRASTATE INTERSTATE |

WHERE RECAPTURE FISHERS LIVE Where recapture fishers Recapture fishers 218 WHERE RECAPTURE FISHERS LIVE Local 196 (90%) 16 (7%) 2021-2025 Intrastate 2025 Jan-Jun Interstate 6 (3%) 2021-2025 ■LOCAL ■ INTRASTATE ■ INTERSTATE Where fishers recapturing Local (196) fish live (pink houses) Local 2021-2025 2025 Jan-Jun

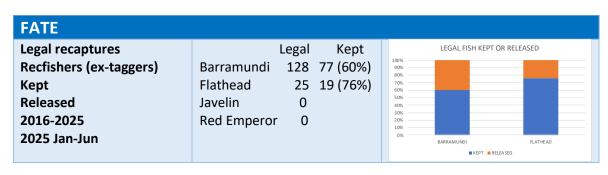


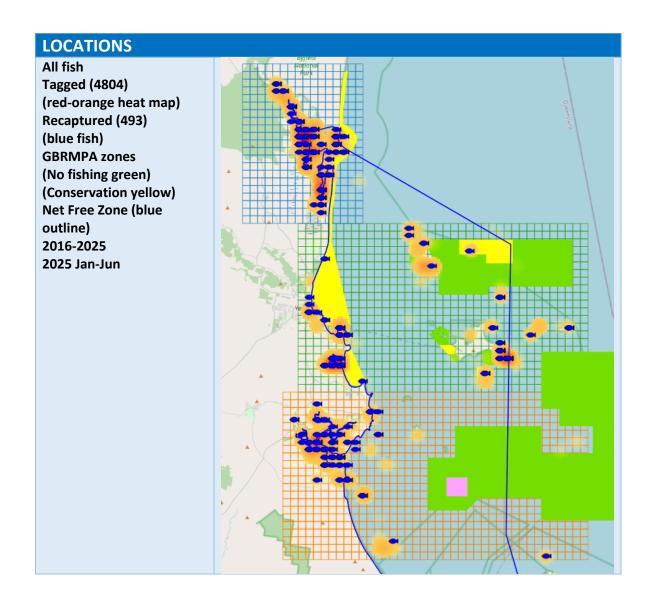
Where fishers recapturing fish live (pink houses) Intrastate Interstate 2021-2025 2025 Jan-Jun Intrastate (16) Interstate (6)



FISH DUSKY FLATHEAD BARRED JAVELIN BARRAMUNDI RED EMPEROR TAG AND TAG RATE Tag and effort taggers High Low Now CAPRICORN COAST TAG AND EFFORT 800 700 600 number of tagged fish Tagged fish days fished 2017 2020 2025 500 E 400 2016-2025 599 329 329 2025 Jan-Jun Days 2017 2020 2025 232 76 87 CAPRICORN COAST FISH TAGGED AND RECAPTURED Fish tagged and Tagged Recaptured 4804 recaptured 493 2016-2025 Recapture rate 2025 Jan-Jun 10.3% FS 300 Tag rate High Low Now CAPRICORN COAST TAG RATE All tagged fish Tag rate Fish/day 2020 2017 2025 2016-2025 4.3 2.6 3.8 2025 Jan-Jun 10 year average 3.4

| SPECIES | | | |
|--|---|-----------------------------------|--|
| Species composition Numbers tagged 2016-2025 2025 Jan-Jun | Barramundi Flathead Javelin Emperor Other species | 1173 613 523 267 2228 | CAPRICORN COAST SPECIES TAGGED 800 700 400 NFZ 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 8ARRAMUNDI \$\text{#LATHEAD BJAVEUN \$\text{#EMPEROR \$\text{#OTHER}\$}} \text{*Intercentages} \text |
| Species composition Percentage tagged 2016-2025 2025 Jan-Jun | Barramundi Flathead Javelin Emperor Other species | 24% 13% 11% 6% 46% | CAPRICORN COAST SPECIES TAGGED 100% 90% 80% 70% 60% 50% 40% 10% 10% NFZ 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 BARRAMUNDI #FASTHEAD #JAVEUN #EMPEROR #OTHER |





BARRAMUNDI

ACTUAL

GRAPH or MAP



DATA RELIABILITY

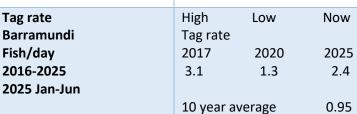
Sample size (fish/year) Tagged (blue arrow) **Recaptures (orange arrow) Confidence %** Error % 2021-2025

| 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% |
| | | | | | | |
| | | | 4 6 | | | |
| | | | | | | |

TAGGED AND TAG RATE

| | , | | |
|--------------------------|-----------|-----------|------|
| Tag and effort taggers | High | Low | Now |
| number of tagged fish | Tagged fi | sh | |
| days fished | 2017 | 2020 | 2025 |
| 2021-2025 | 275 | 25 | 85 |
| 2025 Jan-Jun | Days | | |
| | 2017 | 2020 | 2025 |
| | 88 | 20 | 35 |
| Barramundi tagged and | High | Low | Now |
| recaptured from each tag | Tagged | | |
| year | 2017 | 2020 | 2025 |
| 2016-2025 | 275 | 25 | 85 |
| 2025 Jan-Jun | Total | Recaps | |
| | 1173 | 239 (20.4 | .%) |
| | | | |

| 300 | CAPRICORN COAST BARRAMUNDI TAG AND EFFORT | 100 | |
|----------------------------------|---|----------------------|--|
| 250 200 E 150 100 50 | | 80 60 40 40 | |
| 0 | NFZ 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 | 0 | |
| 300 | CAPRICORN COAST BARRAMUNDI TAGGED AND RECAPTURED | 60 | |

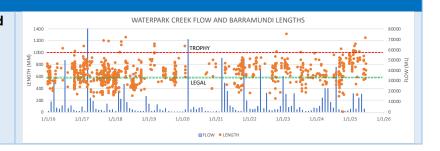




| | 2023 | | | | | | | | | | |
|---|------|-------------------|-----|------|------|------|------|------|------|------|------|
| 3 | 2.4 | FISH/DAY 1.5 | | | ı | ı | I | | Ī | ī | I |
| e | 0.95 | 1.0 0.5 0.0 | NFZ | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |

TAG TIMELINE

Waterpark Creek flow and Barramundi lengths (Corio Bay only) 2016-2025 2025 Jan-Jun

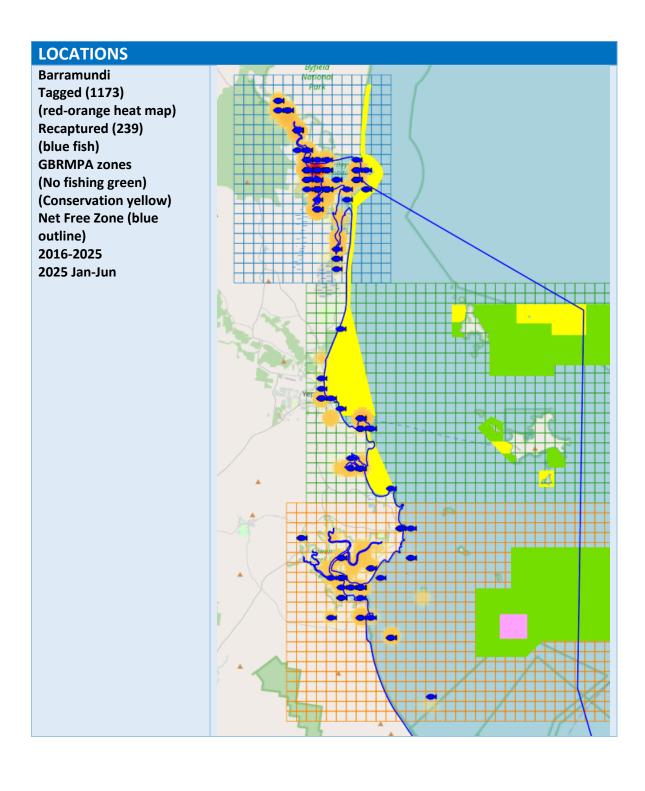


| LENGTHS | | | | |
|-------------------------|----------|--------|------|---|
| Average length (mm) | High | Low | Now | CAPRICORN COAST BARRAMUNDI LENGHTS (MM) |
| Bars show length range | Average | length | | TROPHY S T T |
| Dots show outliers | 2021 | 2018 | 2025 | 800 |
| 2016-2025 | 684 | 581 | 886 | 600 400 LEGAL |
| 2025 Jan-Jun | Max | | | 200 |
| | 2021 | 2022 | 2024 | ■ NFZ ■ 2016 ■ 2017 ■ 2018 ■ 2019 ■ 2020 |
| | 1340 | 1005 | 1270 | 2021 2022 2023 2024 2025 |
| Fish lengths percentage | High | Low | Now | CAPRICORN COAST BARRAMUNDI LENGTHS |
| Undersize <580mm | Legal-Tr | ophy | | 100% 90% |
| Legal 580-1000mm | 2021 | 2018 | 2025 | 70% 60% |
| Trophy 1000+mm | 81% | 46% | 68% | 50% 40% |
| 2016-2025 | Trophy | | | 30% 20% 10% |
| 2025 Jan-Jun | 2024 | 2021 | 2025 | 0% INFZ 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 |
| | 12% | 1% | 27% | ■UNDERSIZE ■LEGAL ■TROPHY |

| SURVIVAL | | |
|---|---|--|
| Barramundi survival based on recaptures by years out after tagging All years | Year Recaptur 1 430 5 41 10 1 Longest time out (years 9.1 | 450 400 350 83 300 83 250 83 200 |
| Barramundi survival rate per year All years | Average survival rate per year 0.54 (54%) | CAPRICORN COAST BARRAMUNDI SURVIVAL RATE 1.00 0.90 0.80 0.70 0.60 0.50 0.40 0.30 0.20 0.10 0.00 |

| GROWTH | | | |
|--------------------------|-------------|-----|--|
| Barramundi growth at the | Recaptures | 68 | CAPRICORN COAST BARRAMUNDI GROWTH |
| end of each year | Growth (mm) | | y = 141.33ln(x) - 722.05 |
| pased on recaptures of | Year 1 | 112 | W 400 |
| ish tagged <580mm | Year 2 | 210 | W 4400 |
| 016-2025 | Year 3 | 267 | g 200 |
| 2025 Jan-Jun | Year 4 | 308 | 1100 |
| | Year 5 | 339 | 0 365 730 1095 1460 1825 2190 2555 2920 3285 DAYS OUT (YEARS) |

| MOVEMENT Barramundi movement | December | 100 | CARRICORNI COAST RARRAMUNDI MOVEMENT |
|---|---|---|---|
| Distance moved (km) 2016-2025 2025 Jan-Jun | Recaptures Same area Moved | 166 73 (44%) 93 (56%) | CAPRICORN COAST BARRAMUNDI MOVEMENT 140 120 120 0 365 739 1095 1260 1225 2390 2555 2320 3285 DAYS OUT (YEARS) • SAME AREA • MOVED |
| Barramundi movement Distance moved (km) 2016-2025 2025 Jan-Jun | Recaptures Same area 1-10km 11-20km 21-50km 51+km | 166 73 (44%) 74 (44%) 6 (4%) 6 (4%) 7 (4%) | CAPRICORN COAST BARRAMUNDI MOVEMENT 50% 45% 40% 35% 30% 29% 10% 5% 5% 5% 0% SAME A REA 1-10 11-20 20-50 >50 DISTANCE (KM) |
| Barramundi movement outside area Tagged (pink fish) Recaptured (blue fish) North (2 fish) South (3 fish) 2016-2025 2025 Jan-Jun | Rockhampton acemere | Byfield State Forest Byfield (Viziona) | Fitzing River (Ray 1) Thin Habit of Ince |



FLATHEAD ACTUAL GRAPH or MAP On the second second

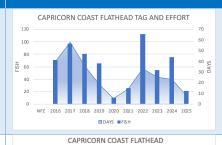
DATA RELIABILITY

Sample size (fish/year)
Tagged (blue arrow)
Recaptures (orange arrow)
Confidence %
Error %
2021-2025

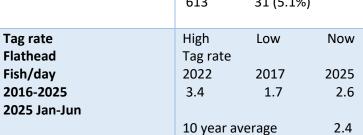
| Reliability level | LOW | | MODERATE | MODERATE | | HIGH |
|-------------------|-----|-----|----------|----------|-----|------|
| Samples | 10 | 41 | 68 | 271 | 384 | 664 |
| Confidence | 80% | 80% | 90% | 90% | 95% | 99% |
| Error | 20% | 10% | 10% | 5% | 5% | 5% |
| 1 | | | | | | |

TAGGED AND TAG RATE

| Tag and effort taggers number of tagged fish | High Tagged fis | Low sh | Now |
|--|--------------------|-----------|------|
| days fished | 2022 | 2020 | 2025 |
| 2021-2025 | 112 | 10 | 21 |
| 2025 Jan-Jun | Days | | |
| | 2017 | 2020 | 2025 |
| | 58 | 5 | 8 |
| Flathead tagged and | High | Low | Now |
| recaptured by year | Tagged | | |
| 2016-2025 | 2022 | 2020 | 2025 |
| 2025 Jan-Jun | 112 | 10 | 21 |
| | Total | Recaps | |
| | 613 | 31 (5.1%) | |
| | | | |

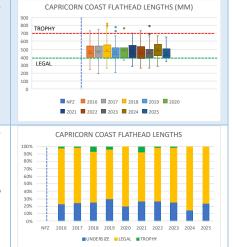


TAGGED AND RECAPTURED

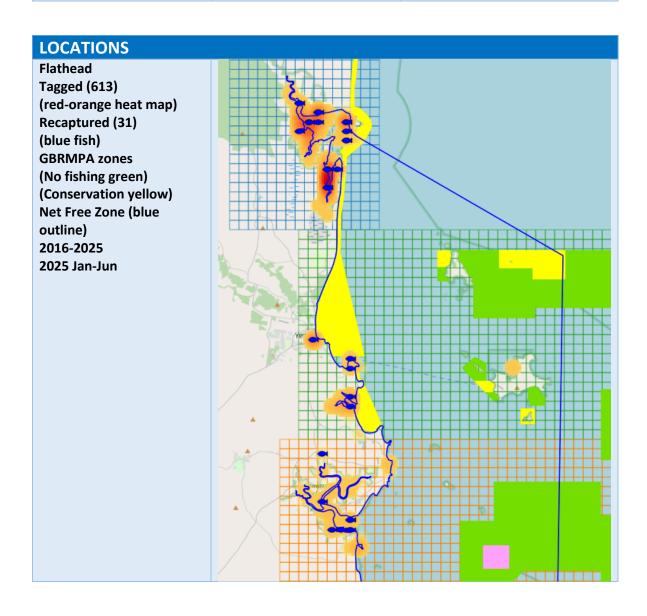




| LENGTHS | | | |
|-------------------------|----------|--------|------|
| Average length (mm) | High | Low | Now |
| Bars show length range | Average | length | |
| Dots show outliers | 2020 | 2019 | 2025 |
| 2016-2025 | 488 | 458 | 447 |
| 2025 Jan-Jun | Max | | |
| | 2018 | 2024 | 2025 |
| | 820 | 670 | 650 |
| Fish lengths percentage | High | Low | Now |
| Undersize <400mm | Legal-Tr | ophy | |
| Legal 400-700mm | 2024 | 2021 | 2025 |
| Trophy 700+mm | 85% | 65% | 76% |
| 2016-2025 | Trophy | | |
| 2025 Jan-Jun | 2021 | 2024 | 2025 |
| | 8% | 0% | 0% |



| GROWTH Flathead growth at the end of each year based on recaptures of fish tagged <400mm 2016-2025 2025 Jan-Jun | Recaptures Growth (mm) Year 1 Year 2 Year 3 | 15 56 125 193 | CAPRICORN COAST FLATHEAD GROWTH 200 180 190 190 190 190 190 190 190 190 190 19 |
|--|---|----------------------------------|---|
| MOVEMENT Flathead movement Distance moved (km) 2016-2025 2025 Jan-Jun | Recaptures Same area Moved Max | 27 21 (78%) 6 (22%) 7km | CAPRICORN COAST FLATHEAD MOVEMENT 20 18 16 16 17 18 18 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10 |



| JAVELIN | ACTUAL | GRAPH or MAP |
|---------|--------|--------------|
| | | |

DATA RELIABILITY

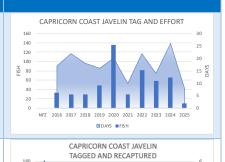
Sample size (fish/year) Tagged (blue arrow) **Recaptures (orange arrow) Confidence %** Error % 2021-2025

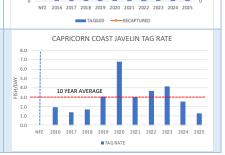
| Reliability level | LOW | | MODERATE | MODERATE | | HIGH |
|-------------------|-----|-----|----------|----------|-----|------|
| Samples | 10 | 41 | 68 | 271 | 384 | 664 |
| Confidence | 80% | 80% | 90% | 90% | 95% | 99% |
| Error | 20% | 10% | 10% | 5% | 5% | 5% |
| 1 | | | | | | |

3.0

| TAGGED AND TAG RA | TE | | | | |
|------------------------|-----------|-------------|------|--|--|
| Tag and effort taggers | High | Low | Now | | |
| number of tagged fish | Tagged fi | Tagged fish | | | |
| days fished | 2020 | 2021 | 2025 | | |
| 2016-2025 | 136 | 30 | 10 | | |
| 2025 Jan-Jun | Days | | | | |
| | 2024 | 2021 | 2025 | | |
| | 26 | 10 | 8 | | |
| Javelin tagged and | High | Low | Now | | |
| recaptured | Tagged | | | | |
| 2016-2025 | 2020 | 2021 | 2025 | | |
| 2025 Jan-Jun | 136 | 30 | 10 | | |
| | Total | Recaps | | | |
| | 523 | 13 (2.5%) | | | |
| | | | | | |
| Tag rate | High | Low | Now | | |
| Javelin | Tag rate | | | | |
| Fish/day | 2020 | 2017 | 2025 | | |
| 2016-2025 | 6.8 | 1.4 | 1.3 | | |
| 2025 Jan-Jun | | | | | |

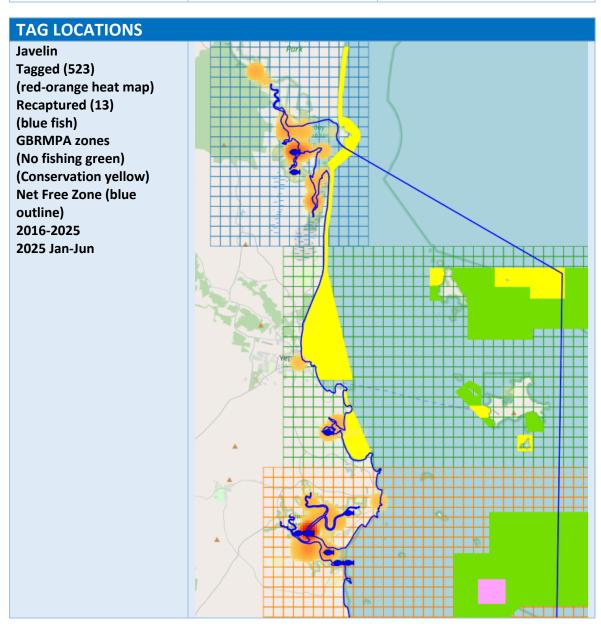
10 year average





| LENGTHS | | | | |
|-------------------------|-----------|--------|------|--------------------|
| Average length (mm) | High | Low | Now | 700 |
| Bars show length range | Average | length | | 600 TROP |
| Dots show outliers | 2018 | 2023 | 2025 | 400 |
| 2016-2025 | 368 | 247 | 383 | 300 LEGA |
| 2025 Jan-Jun | Max | | | 100 |
| | 2016 | 2020 | 2025 | 0 |
| | 630 | 420 | 510 | |
| Fish lengths percentage | High | Low | Now | |
| Undersize <400mm | Legal-Tro | phy | | 100% 90% 80% |
| Legal 400-600mm | 2018 | 2020 | 2025 | 70% |
| Trophy 600+mm | 17% | 1% | 50% | 50% 40% |
| 2016-2025 | Trophy | | | 20% |
| 2025 Jan-Jun | 2018 | 23-24 | 2025 | 0% NFZ |
| | 6% | 0% | 0% | |





RED EMPEROR ACTUAL GRAPH or MAP

DATA RELIABILITY

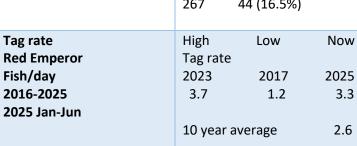
Sample size (fish/year)
Tagged (blue arrow)
Recaptures (orange arrow)
Confidence %
Error %
2021-2025

| 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% |
| | | | | | | |
| 1 | | | | | | |

TAGGED AND TAG RATE

| Tag and effort taggers | High | Low | Now | | |
|------------------------|-------------|------------|------|--|--|
| number of tagged fish | Tagged fish | | | | |
| days fished | 2023 | 2018 | 2025 | | |
| 2016-2025 | 81 | 2 | 10 | | |
| 2025 Jan-Jun | Days | | | | |
| | 2023 | 2018 | 2025 | | |
| | 22 | 1 | 3 | | |
| Red Emperor tagged and | High | Low | Now | | |
| recaptured | Tagged | | | | |
| 2016-2025 | 2023 | 2018 | 2024 | | |
| 2025 Jan-Jun | 81 | 2 | 36 | | |
| | Total | Recaps | | | |
| | 267 | 44 (16.5%) | | | |
| | | • | | | |
| | | | | | |

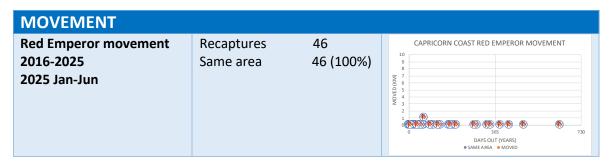


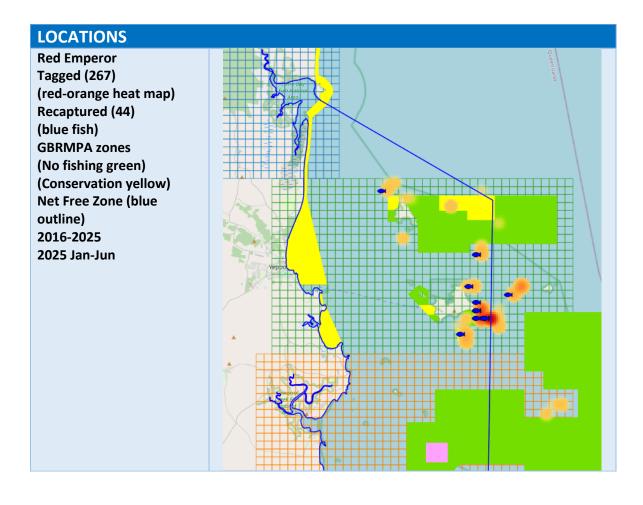






| LENGHTS | | | | |
|--|--|---|-----------------------------------|---|
| Average length (mm) Bars show length range Dots show outliers 2016-2025 2025 Jan-Jun | High Average 2017 398 Max 2022 550 | Low e length 2019 316 2019 390 | Now 2025 385 2025 460 | CAPRICORN COAST RED EMPEROR LENGHTS (MM) TROPHY TROPHY TROPHY TROPHY TROPHY 2010 100 100 100 100 100 100 1 |
| Fish lengths percentage Undersize <550mm Legal 550-700 Trophy 700+mm 2016-2025 2025 Jan-Jun | | under legal li L in 2022 | mit | CAPRICORN COAST RED EMPEROR LENGTHS 100% 90% 80% 70% 60% 50% 40% 10% NFZ 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 |





Data sources

Data used in the Capricorn Coast Crystal Bowl are:

- Tag records and recapture records for the Capricorn Coast at http://crystalbowl.infofishaustralia.com.au/.
- Creek flows for Waterpark Creek at Station 129001A at Byfield from https://watermonitoring.information.qld.gov.au/.
- Rainfall and temperature for Capricorn Coast from Station 33294 at Yeppoon 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 over the past 5 years.
- Catch rates calculated as number of fish tagged/day for taggers with a minimum of 12 days (at least 1 per month) to provide an acceptable catch rate.
- For Barramundi undersized fish are <580mm, legal fish are >=580 and <1000mm and trophy fish are >=1000mm.
- For Dusky Flathead undersized fish are <400mm, legal fish are >=400 and <700mm and trophy fish are >=700mm.
- For Barred Javelin undersized fish are <4000mm, legal fish are >=400mm and <600mm and trophy fish are >=600mm.
- For Red Emperor undersized fish are <550mm, legal fish are >=550mm and <700 and trophy fish are >=700mm.
- 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 CBY, KBY, and EMP for the Capricorn Coast.
- Movement distance calculated as the shortest distance by water from the tag to the recapture location.
- Distance from fisher's address to recapture location is the straight-line distance between locations based on Google Earth coordinates with Local <60km, Intrastate >=60km and Qld postcodes, Interstate postcodes other than Qld.