

LOGAN RIVER 2025

INFORMATION RATING



Rivers: Logan River, Albert River (tidal area)

Key species: Yellowfin Bream, Dusky Flathead, Mulloway

Fish timeframe: 2016-2025

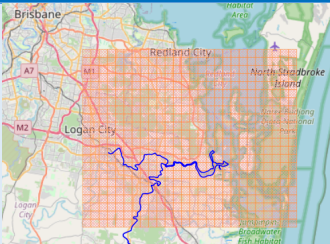

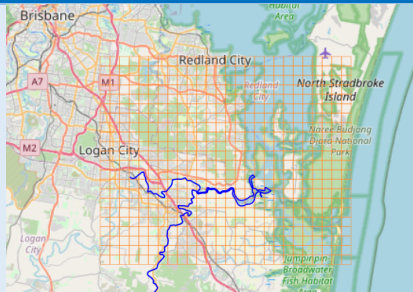
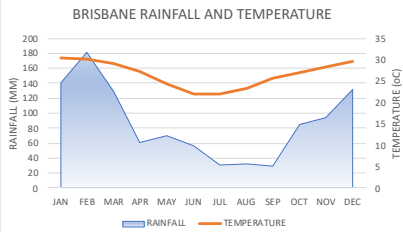
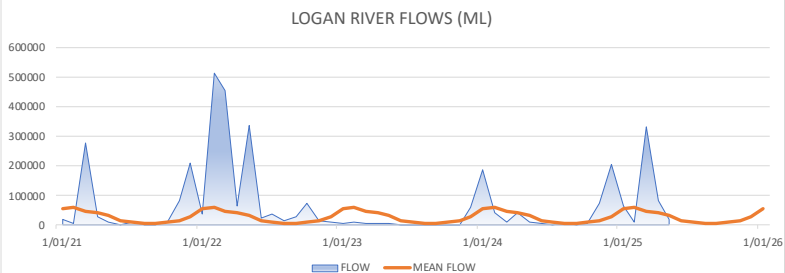
Fisher timeframe: 2021-2025

Tagging activity suggests that this is a year-round fishery that has a slight peak in May/June however is interrupted by flooding. There was significant flooding in 2022 and flooding again in early 2025 which reduced fishing activity. Most fishing occurred on weekends.

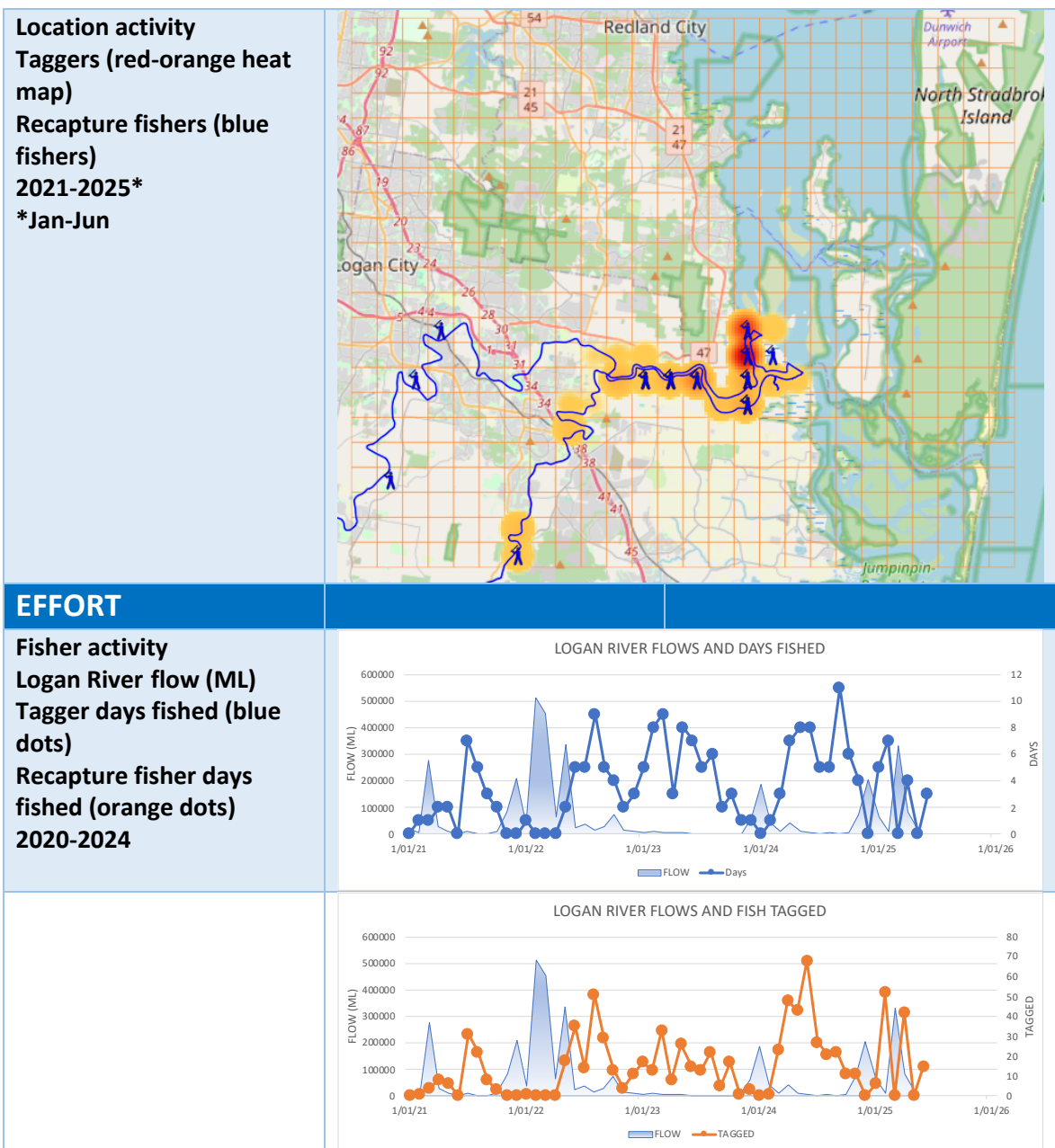
While recaptures are low, they suggest that the Logan River is a local fishery with fishers living less than 50km from the river. This is expected for rivers in a highly urbanised region. Recaptures suggest that it is tending towards a harvest fishery although more recaptures are needed to confirm this. Recaptures of legal sized Mulloway, Threadfin and Barramundi are all likely to be kept given the legal lengths for these species.

There have been 5 recaptures of Mulloway tagged in the Logan River that were recaptured elsewhere from the Brisbane River to Jumpinpin. There has also been a recapture of a Flathead and a Threadfin away from the river.




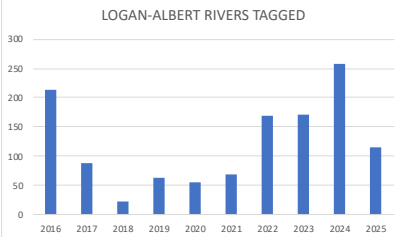
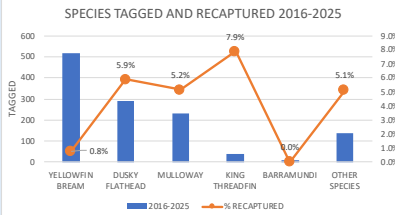
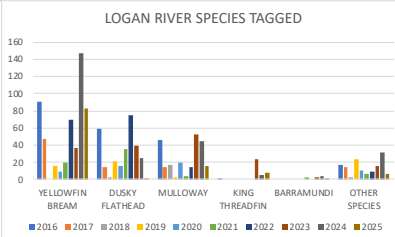
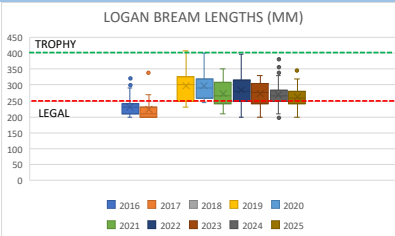
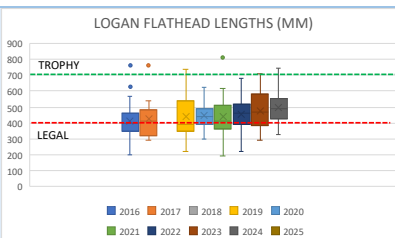
Barramundi have been tagged in low numbers since 2021 and no recaptures have been reported.

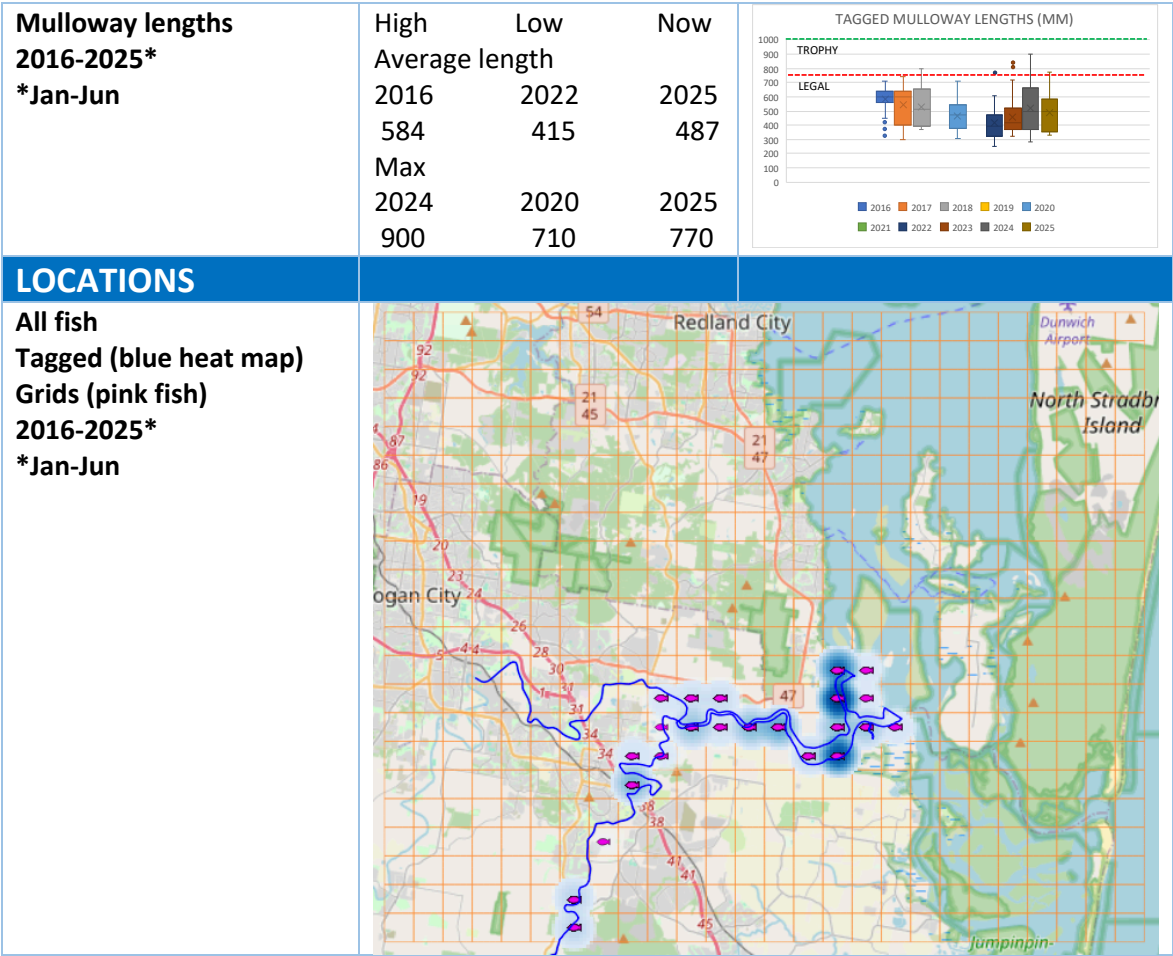
LOGAN RIVER		LOCATION										
	<div>Logan River</div> <div>27.7°S</div> <div>153.2°E</div>											
WATERWAYS	ACTUAL	GRAPH or MAP										
<div>Logan River</div> <div>Albert River</div> <div>Tidal reaches</div>	<div>Maps</div> <div>Moreton Bay (MB03)</div>											
ENVIRONMENTAL	ACTUAL	GRAPH or MAP										
<div>Logan River</div> <div>Mean monthly rainfall (mm)</div> <div>Mean monthly air temperature (oC)</div>	<table><tr><td>Rainfall</td><td>Max (mm)</td></tr><tr><td>Feb</td><td>182</td></tr><tr><td>Temperature</td><td>Max (oC)</td></tr><tr><td>Jan</td><td>30</td></tr><tr><td>Feb</td><td>30</td></tr></table>	Rainfall	Max (mm)	Feb	182	Temperature	Max (oC)	Jan	30	Feb	30	<div>BRISBANE RAINFALL AND TEMPERATURE</div> 
Rainfall	Max (mm)											
Feb	182											
Temperature	Max (oC)											
Jan	30											
Feb	30											
<div>Logan River flows and monthly mean flows (ML)</div> <div>2020-2024</div>	<div>LOGAN RIVER FLOWS (ML)</div> 											

FISHERS	ACTUAL	GRAPH or MAP																																			
DATA RELIABILITY																																					
Sample size (days fished) Tag days (blue arrow) Recaptures (blue arrow) Confidence % Error % 2020-2024	<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 colspan="2">80%</td><td colspan="2">80%</td><td colspan="2">90%</td><td colspan="2">99%</td></tr><tr><td>Error</td><td colspan="2">20%</td><td colspan="2">10%</td><td colspan="2">5%</td><td colspan="2">5%</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%		99%		Error	20%		10%		5%		5%		
Reliability level	LOW		MODERATE		MODERATE		HIGH																														
Samples	10	41	68	271	384	664																															
Confidence	80%		80%		90%		99%																														
Error	20%		10%		5%		5%																														
TYPE OF FISHERY																																					
Harvest or experiential fishery Release rate of recaptured legal fish (ex-taggers) 2021-2025* *Jan-Jun	Legal fish kept rate (low numbers) Flathead Mulloway Legal fish 15 Kept 8 (53%) Released 7 (47%)	<div>TYPE OF FISHERY</div> <div><div></div><div></div></div> <div><div>HARVEST</div><div>EXPERIENTIAL</div></div>																																			
Local or visitor fishery Where recapture fishers live 2021-2025* *Jan-Jun	Recapture fishers 22 Local 22 (100%) Visitor 0 (0%)	<div>TYPE OF FISHER</div> <div><div></div></div> <div><div>LOCAL</div><div>VISITOR</div></div>																																			
ACTIVITY																																					
Monthly activity Days fished combined (395) Taggers (350) Recapture fishers (45) 2021-2025* *Jan-Jun	Month Days % Jun 53 (13%) May 49 (12%)	<div>LOGAN RIVER MONTHLY ACTIVITY</div> <div><div></div><div></div><div></div></div>																																			
Weekday activity Days fished combined (395) Taggers (350) Recapture fishers (45) 2021-2025* *Jan-Jun	Weekend Days % Weekdays 167 (42%)	<div>LOGAN RIVER WEEKDAY ACTIVITY</div> <div><div></div><div></div><div></div></div>																																			



TRAVEL		
Proxy travel distance (km) home to recapture location Bars show distance range Local Intrastate Interstate 2021-2025* *Jan-Jun	Range (km) Local 1-48 Intrastate NA Interstate NA (not shown)	PROXY TRAVEL DISTANCE (KM)
Average distance (km) from home to recapture location 2021-2025* *Jan-Jun	Av distance (km) Local 20 Intrastate NA Interstate NA	RECAPTURE FISHERS AVERAGE DISTANCE (KM)
WHERE RECAPTURE FISHERS LIVE		
Where recapture fishers live 2021-2025* *Jan-Jun	Recaptures 22 Local 22 (100%) Intrastate 0 (0%) Interstate 0 (0%)	WHERE RECAPTURE FISHERS LIVE
Where fishers recapturing fish live (red houses) 2021-2025* *Jan-Jun		

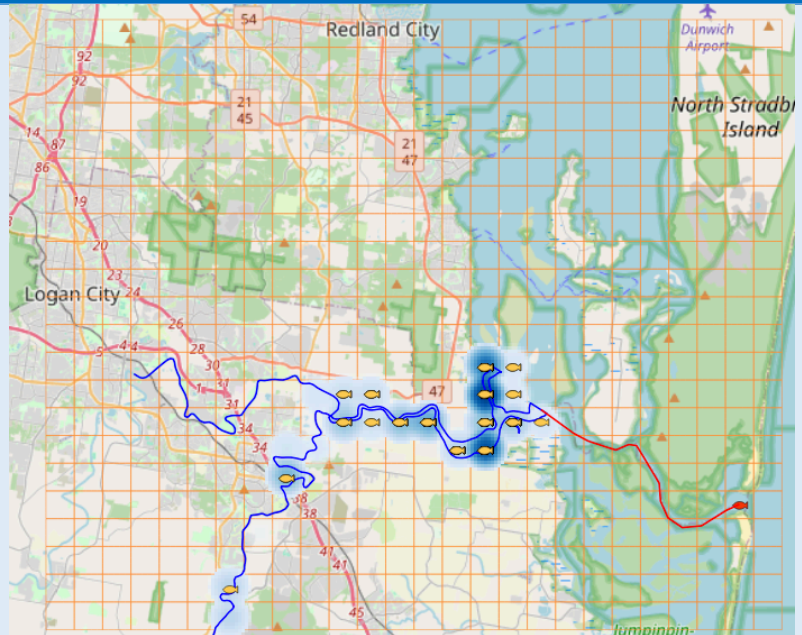
FISH	ACTUAL	GRAPH OR MAP																					
YELLOWFIN BREAM	DUSKY FLATHEAD	MULLOWAY																					
																							
TAGGED																							
Fish tagged 2016-2025* *Jan-Jun	<table> <tr> <th>High</th><th>Low</th><th>Now</th></tr> <tr> <td>Tagged fish</td><td></td><td></td></tr> <tr> <td>2024</td><td>2018</td><td>2025</td></tr> <tr> <td>258</td><td>22</td><td>115</td></tr> <tr> <td colspan="3">Tagged 2016-2025*</td></tr> </table>	High	Low	Now	Tagged fish			2024	2018	2025	258	22	115	Tagged 2016-2025*									
High	Low	Now																					
Tagged fish																							
2024	2018	2025																					
258	22	115																					
Tagged 2016-2025*																							
Fish tagged and recaptured 2016-2025* *Jan-Jun	<table> <tr> <th></th><th>Tagged</th><th>Recaps</th></tr> <tr> <td>Bream</td><td>519</td><td>4 (0.8%)</td></tr> <tr> <td>Flathead</td><td>288</td><td>17 (5.9%)</td></tr> <tr> <td>Mulloway</td><td>233</td><td>12 (5.2%)</td></tr> <tr> <td>Threadfin</td><td>38</td><td>3 (7.9%)</td></tr> <tr> <td>Barramundi</td><td>10</td><td>0 (0%)</td></tr> </table>		Tagged	Recaps	Bream	519	4 (0.8%)	Flathead	288	17 (5.9%)	Mulloway	233	12 (5.2%)	Threadfin	38	3 (7.9%)	Barramundi	10	0 (0%)				
	Tagged	Recaps																					
Bream	519	4 (0.8%)																					
Flathead	288	17 (5.9%)																					
Mulloway	233	12 (5.2%)																					
Threadfin	38	3 (7.9%)																					
Barramundi	10	0 (0%)																					
Species tagged each year 2016-2025* *Jan-Jun																							
LENGTHS																							
Yellowfin Bream lengths 2016-2025* *Jan-Jun	<table> <tr> <th>High</th><th>Low</th><th>Now</th></tr> <tr> <td>Average length</td><td></td><td></td></tr> <tr> <td>2019</td><td>2017</td><td>2025</td></tr> <tr> <td>299</td><td>222</td><td>262</td></tr> <tr> <td>Max</td><td></td><td></td></tr> <tr> <td>2019</td><td>2023</td><td>2025</td></tr> <tr> <td>410</td><td>330</td><td>350</td></tr> </table>	High	Low	Now	Average length			2019	2017	2025	299	222	262	Max			2019	2023	2025	410	330	350	
High	Low	Now																					
Average length																							
2019	2017	2025																					
299	222	262																					
Max																							
2019	2023	2025																					
410	330	350																					
Dusky Flathead lengths 2016-2025* *Jan-Jun	<table> <tr> <th>High</th><th>Low</th><th>Now</th></tr> <tr> <td>Average length</td><td></td><td></td></tr> <tr> <td>2024</td><td>2017</td><td>2025</td></tr> <tr> <td>499</td><td>222</td><td>NA</td></tr> <tr> <td>Max</td><td></td><td></td></tr> <tr> <td>2021</td><td>2020</td><td>2025</td></tr> <tr> <td>810</td><td>626</td><td>NA</td></tr> </table>	High	Low	Now	Average length			2024	2017	2025	499	222	NA	Max			2021	2020	2025	810	626	NA	
High	Low	Now																					
Average length																							
2024	2017	2025																					
499	222	NA																					
Max																							
2021	2020	2025																					
810	626	NA																					



MOVEMENT

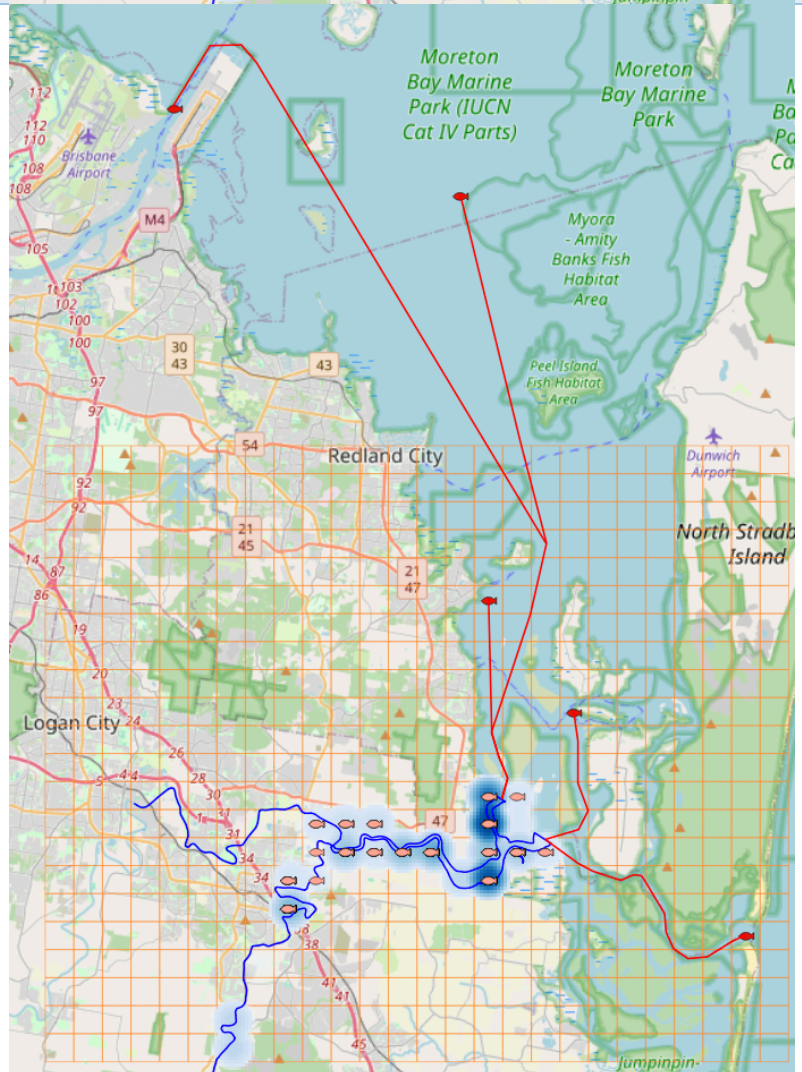
**Flathead movement
outside Logan River
1 fish**

**Tagged (yellow fish)
Recaptured (red fish)
2016-2025*
*Jan-Jun**



**Mulloway movements
outside Logan River
5 fish**

**Tagged (brown fish)
Recaptured (red fish)
2016-2025*
*Jan-Jun**



Data sources

Data used in the Agnes Water Crystal Bowl are:

- Tag records and recapture records for the river at <http://crystalbowl.infofishaustralia.com.au/>.
- Flow records for Baffle Creek at Mimdale Station 134001B from <https://water-monitoring.information.qld.gov.au/>.
- Rainfall and temperate records from Station 039314 Seventeen Seventy 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.
- 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 Mangrove Jack undersized fish are <350mm, legal fish are ≥350mm and <500mm and trophy fish are ≥500mm.
- For Dusky Flathead undersized fish are <400mm, legal fish are ≥400 and <700mm and trophy fish are ≥700mm.
- For Barred Javelin undersized fish are >400mm, legal fish are ≥400mm and <600 and trophy fish are ≥600mm.
- Locations based on Infofish grid maps BFF, DWC and BBY and other grid maps where fish were recaptured outside the area.
- Movement distance calculated as the shortest distance by water from the tag to the recapture location calculated using Google Earth.
- 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.