



## BRISBANE RIVER AUSTRALIAN BASS 2011-2020 2020 ANNUAL UPDATE

### **Stocked fish numbers, catch rates, fish sizes, locations, tagged and recaptured fish**

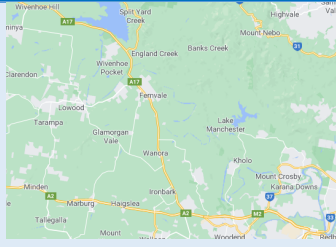


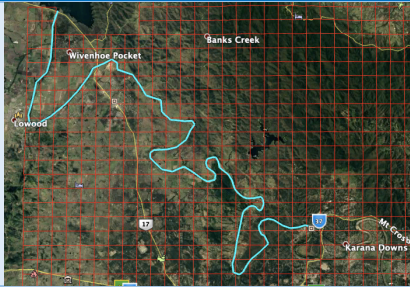
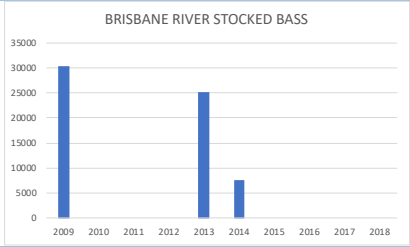
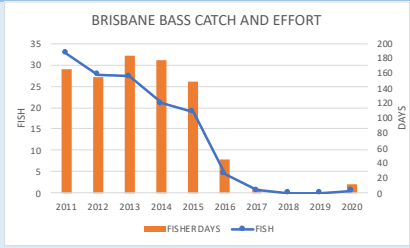
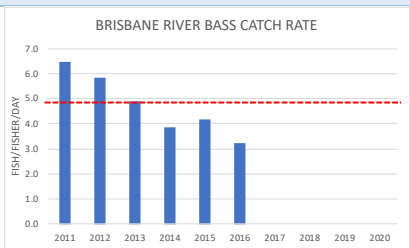
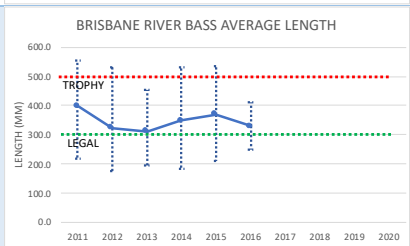
The following dashboard provides a summary of Australian Bass data from the Brisbane River covering the past 10 years.

#### **Summary**

- The stretch of the river covered by this dashboard is from below Wivenhoe dam wall to Mount Crosby Weir and then to Colleges Crossing
- From 2011-2018 there have been 63,045 fingerlings released with the latest release of 7,640 in 2014
- Catch data are only available from 2011-2016
- The catch rate was a high 6.4 fish/fisher/day and then declined annually to 3.3 in 2016 with no data since then
- The average length ranged from a high of 400mm in 2011 to a low of 312mm in 2013
- The percentage of legal fish was a high 78.5% in 2011 and a low of 58.4% in 2013
- Over the past 10 years there have been 733 fish tagged and 89 recaptures however many of the recaptures were from fish tagged in Somerset and Wivenhoe
- Over the past 10 years most fish have been tagged in MB05 map grids N14 and T21 (below Mount Crosby Weir)
- Following the 2011 flood there were 36 fish recaptured that were tagged in Somerset before the flood and 1 recapture of a fish tagged in Wivenhoe before the flood
- Of the 25 recaptures of fish tagged in the river 12 were recaptured in the same area as tagged while 5 moved upriver and 8 moved downriver
- Over the past 10 years most postcodes of fishers recapturing fish were 4305 and 4306 (Ipswich area)

Infofish Australia  
January 2021



BRISBANE RIVER	LOCATION	AUSTRALIAN BASS
		
MEASURE	ACTUAL	GRAPH or MAP
<b>River length (km)</b> <b>Wivenhoe dam to Mount Crosby Weir</b>	Length 60km	
<b>Fingerlings stocked</b> <b>2009-2018</b>	<b>TOTALS</b> <b>BASS</b> 63,045 <b>HIGHEST</b> <b>LOWEST</b> <b>LATEST</b> 2009            2015-17        2018 30,303            0                0	
<b>Catch and effort</b> <b>number of fish</b> <b>fisher days</b> <b>T20 fishers</b> <b>2011-2020</b>	<b>HIGHEST</b> <b>LOWEST</b> <b>NOW</b> <b>CATCH</b> 2011            2018-19        2020 187              0                3 <b>EFFORT</b> 2013            2018-19        2020 32                0                2	
<b>Catch rate</b> <b>Fish/fisher day</b> <b>2011-2020</b>	<b>HIGHEST</b> <b>LOWEST</b> <b>NOW</b> <b>CATCH RATE</b> 2011            2016            2020 6.4              3.3              NA  <b>6 YEAR AVERAGE</b> 4.9	
<b>Average length (mm)</b> <b>Bars show smallest to largest fish</b> <b>2011-2020</b>	<b>HIGHEST</b> <b>LOWEST</b> <b>NOW</b> 2011            2013            2020 400              312 <b>LARGEST</b> 2011            2016            2020 555              410              NA	

<p><b>Fish lengths percentage</b></p> <p><b>Undersize &lt;300mm</b></p> <p><b>Legal 300-499mm</b></p> <p><b>Trophy 500+mm</b></p> <p><b>2011-2020</b></p>	<table border="1"> <thead> <tr> <th>HIGHEST</th> <th>LOWEST</th> <th>NOW</th> </tr> </thead> <tbody> <tr> <td>LEGAL</td> <td></td> <td></td> </tr> <tr> <td>2011</td> <td>2013</td> <td>2020</td> </tr> <tr> <td>78.5</td> <td>58.4</td> <td></td> </tr> <tr> <td>TROPHY</td> <td></td> <td></td> </tr> <tr> <td>2011</td> <td>2013</td> <td>2020</td> </tr> <tr> <td>11.3</td> <td>0</td> <td></td> </tr> </tbody> </table>	HIGHEST	LOWEST	NOW	LEGAL			2011	2013	2020	78.5	58.4		TROPHY			2011	2013	2020	11.3	0		
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<p>Product of Infofish Australia</p>		<p>Supported by Suntag and FFSAQ</p>																					

## Data sources

Data used in the Impoundment Crystal Bowl are:

- Tag records and recapture records for the impoundment at <http://crystalbowl.infofishaustralia.com.au/>
- Dam level data from SEQwater at <https://www.seqwater.com.au/historic-dam-levels>
- Stocked fish records from <https://www.data.qld.gov.au/dataset/queensland-freshwater-fish-stocking-records/>
- Bathymetric data from Infofish surveys or other sources

## Basis for analysis

- Catch rates calculated as number of fish tagged/fisher/day for T20 fishers (taggers) with a minimum of 12 fisher days (at least 1 per month) to provide a reliable catch rate
- Undersized fish are <300mm, legal fish are  $\geq 300$  and <500mm and trophy fish are  $\geq 500$ mm
- 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 map MB05 for the river and other grid maps where fish were recaptured outside the impoundment
- Distance moved was calculated as the shortest distance by water between the tag and recapture location using Google Earth

## Previous reports

- Monitoring Australian Bass in the Brisbane River 1990-2013

