



SOUTH EAST QUEENSLAND IMPOUNDMENTS AUSTRALIAN BASS AND GOLDEN PERCH 2011-2020 2020 REVIEW

Stocked fish numbers, tagged and recaptured fish, catch rates, fish sizes and growth

The following dashboard provides a summary of Australian Bass and Golden Perch data from 6 South East Queensland impoundments covering the past 10 years.

- Lake Somerset
- Lake Wivenhoe
- Lake Advancetown (Hinze)

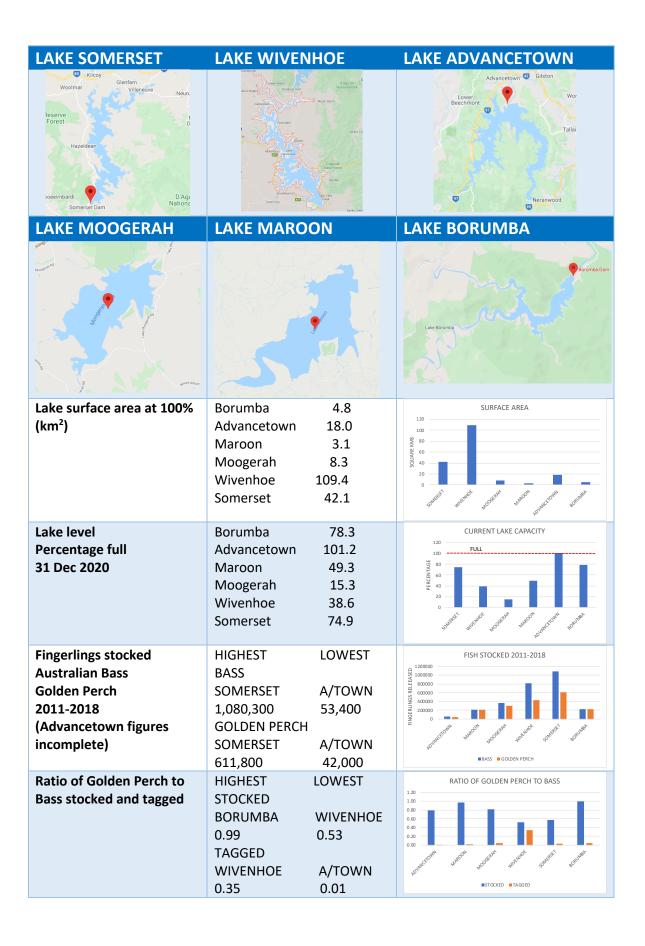
- Lake Moogerah
- Lake Maroon
- Lake Borumba

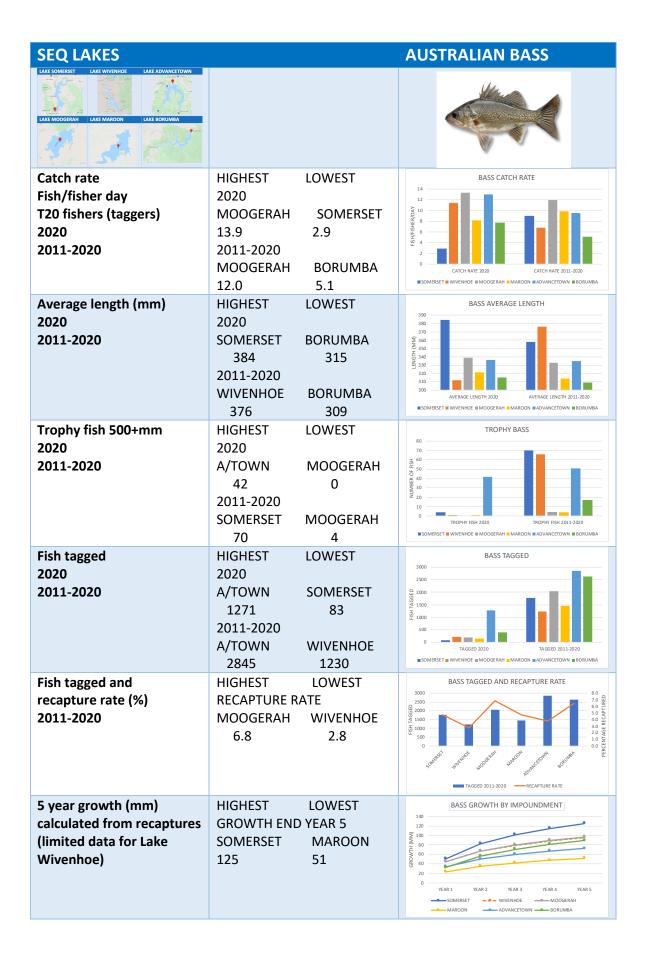
Summary

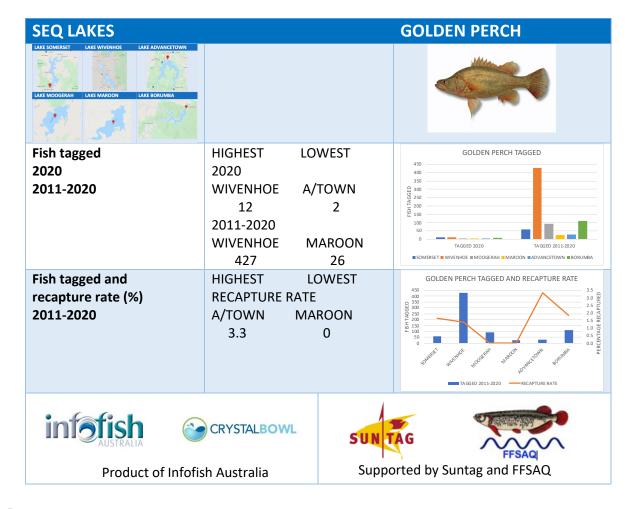
- Surface area at full level ranges from Maroon 3.1km² to Wivenhoe 109.4km²
- At 31 Dec 2020 lake levels ranged from 13.5% at Moogerah to 101.2% at Advancetown
- From 2011-2018 most fingerlings were stocked in Somerset with 1.08M Bass and 611.8K
 Golden Perch
- The ratio of stocked Golden Perch to Bass ranged from 0.99 at Borumba to 0.53 at Wivenhoe while the ratio of tagged fish ranged from 0.35 at Wivenhoe to 0.01 at Advancetown
- The Bass catch rate in 2020 ranged from Somerset 2.9 fish/fisher day to Moogerah 13.3 fish/fisher day and it also has the highest 10 year rate of 12.0 fish/fisher day
- Average Bass lengths in 2020 ranged from 312mm in Wivenhoe to 384mm in Somerset while
 Wivenhoe had the highest 10 year average length of 376mm
- In 2020 Advancetown has the highest number of trophy Bass 500mm or over at 42 while Moogerah and Maroon did not record any trophy fish and Somerset had the highest number over the 10 years at 70
- In 2020 Somerset has the lowest catch rate for Bass at 2.9 fish/fisher day while the average size was well ahead at 385mm and the highest number of trophy fish over the 10 years at 70
- Bass tagged over the 10 years ranged from 1,230 in Wivenhoe to 2,845 in Advancetown
- Bass recapture rates for the last 10 years ranged from 2.8% in Wivenhoe to 6.8% in Moogerah
- Based on recaptures Bass growth rates were highest in Somerset (125mm at end of year 5)
 and lowest in Maroon (51mm at end of year 5)
- Golden Perch tagged over the 10 years ranged from 26 in Maroon to 427 in Wivenhoe
- The highest recapture rate for Golden Perch was 3.3% in Advancetown however that needs to be treated with caution due to the low numbers tagged

Infofish Australia
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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/

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 >=300 and <500mm and trophy fish are >=500mm
- Growth calculated using logarithmic curve from recaptures where fish were out for 90 days or more and had positive growth