



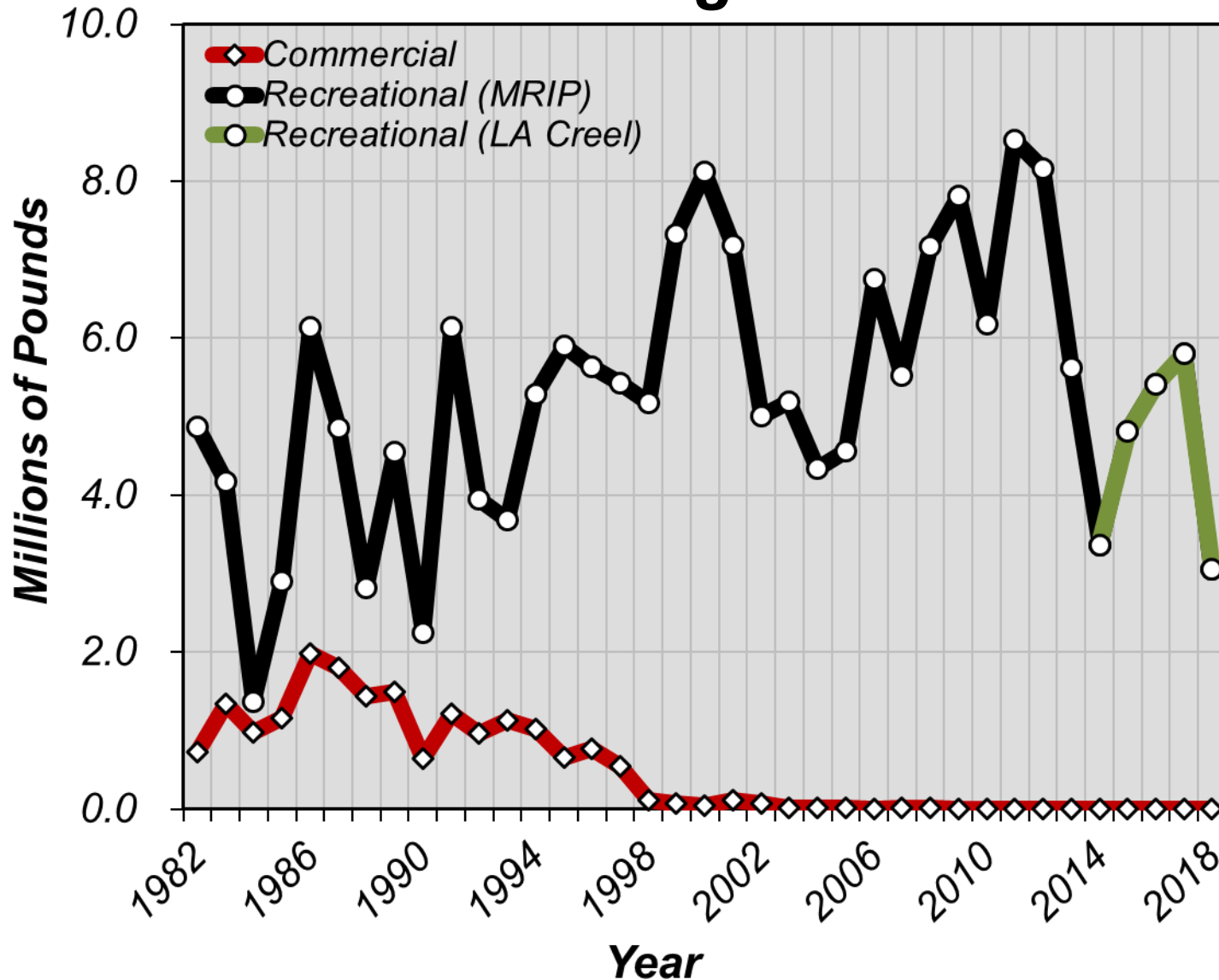
ASSESSMENT OF SPOTTED SEATROUT IN LOUISIANA WATERS

Jason Adriance | LWFC Meeting | September 5, 2019

Fishery Landings



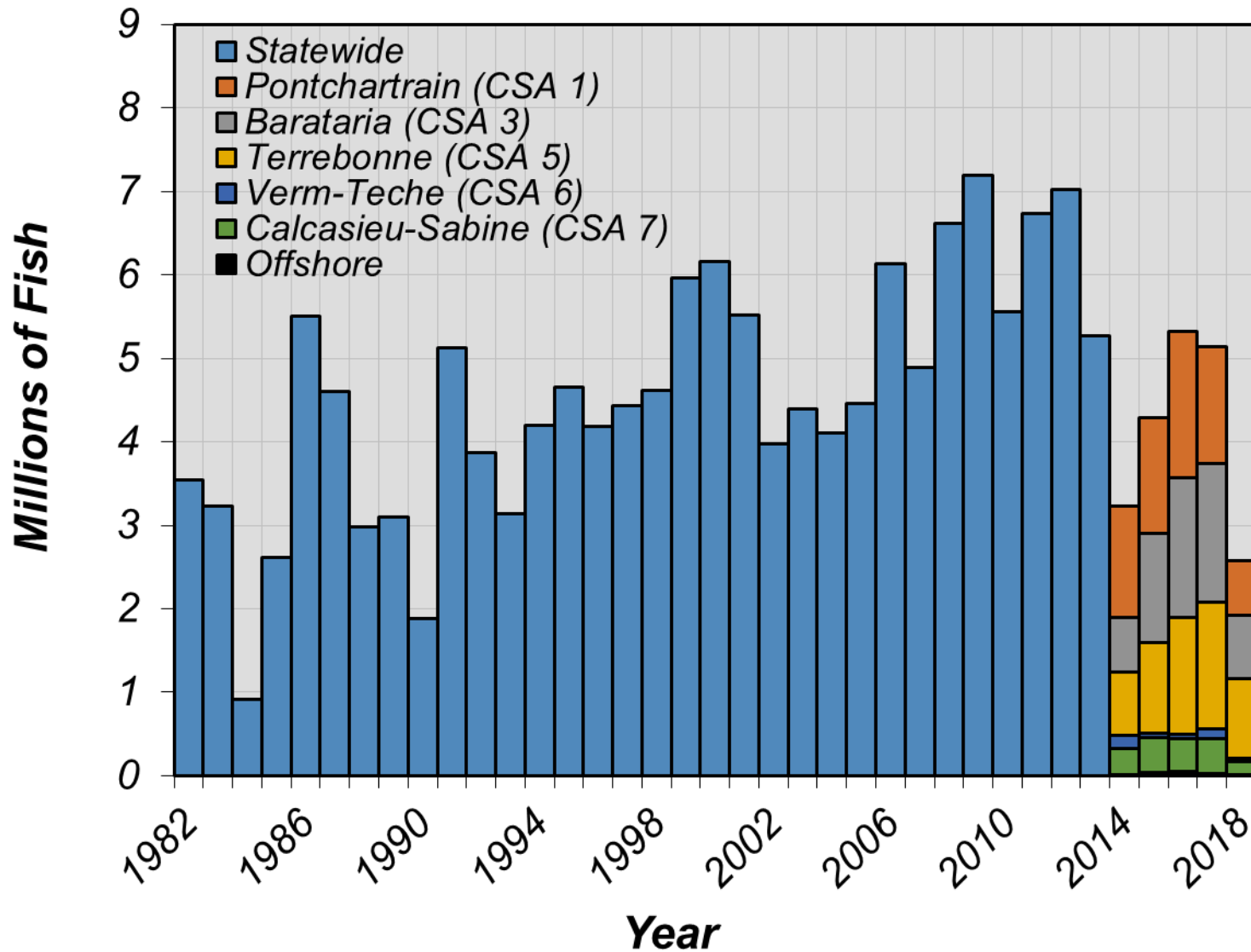
Landings



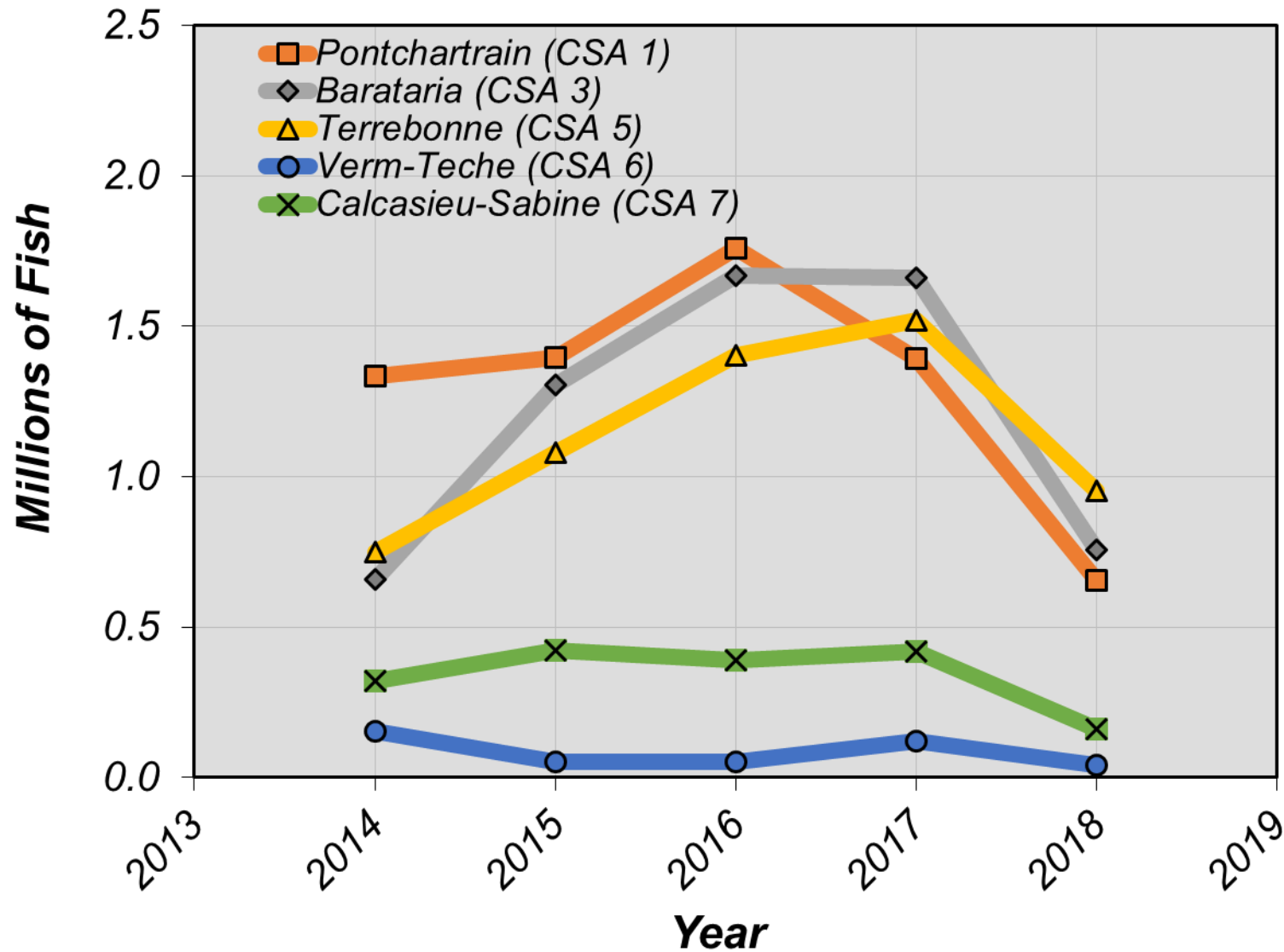
Note: 1982-2013 recreational landings values are MRIP data back-calculated to LA Creel. 2014-2018 landings values are LA Creel values.



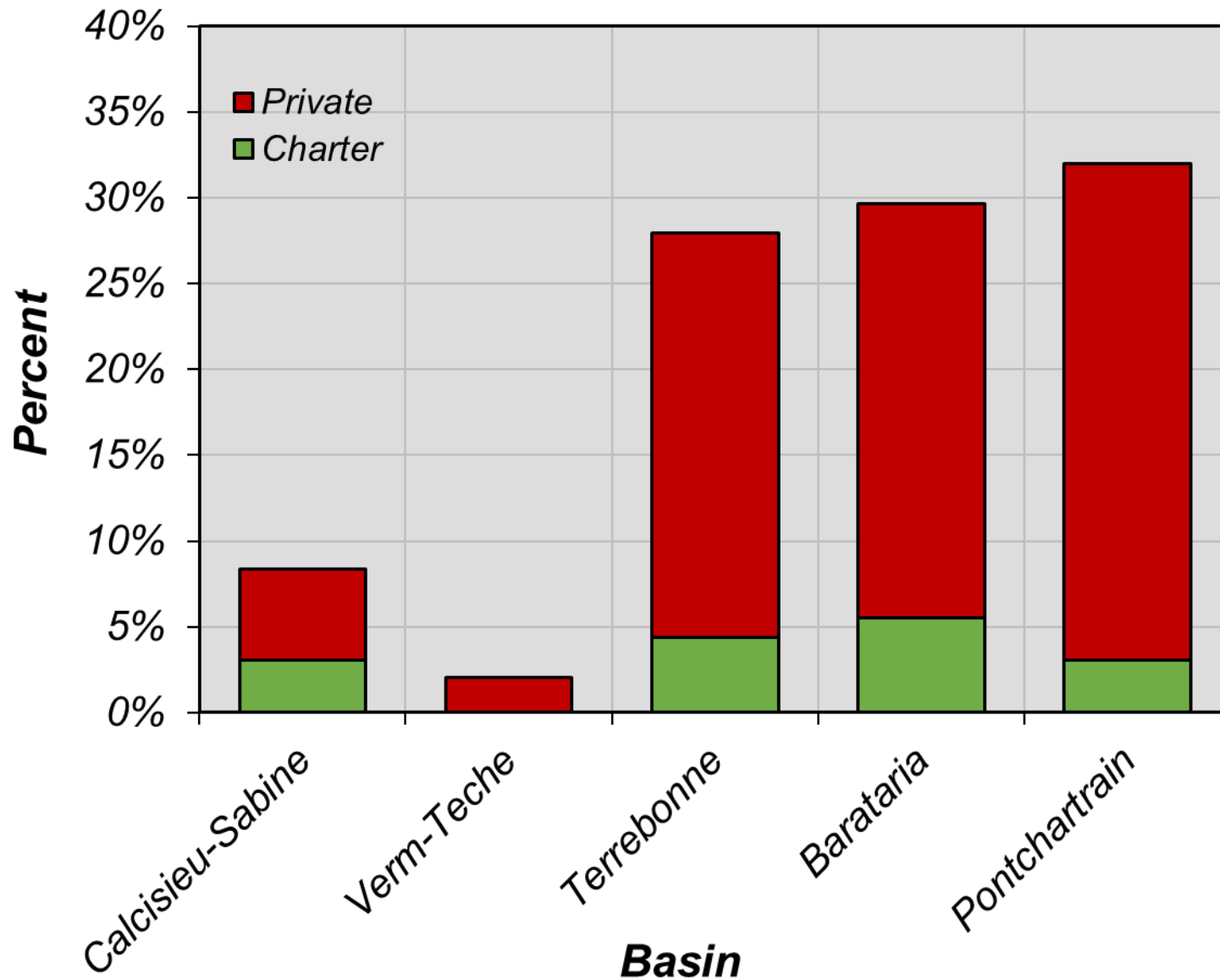
Recreational Landings



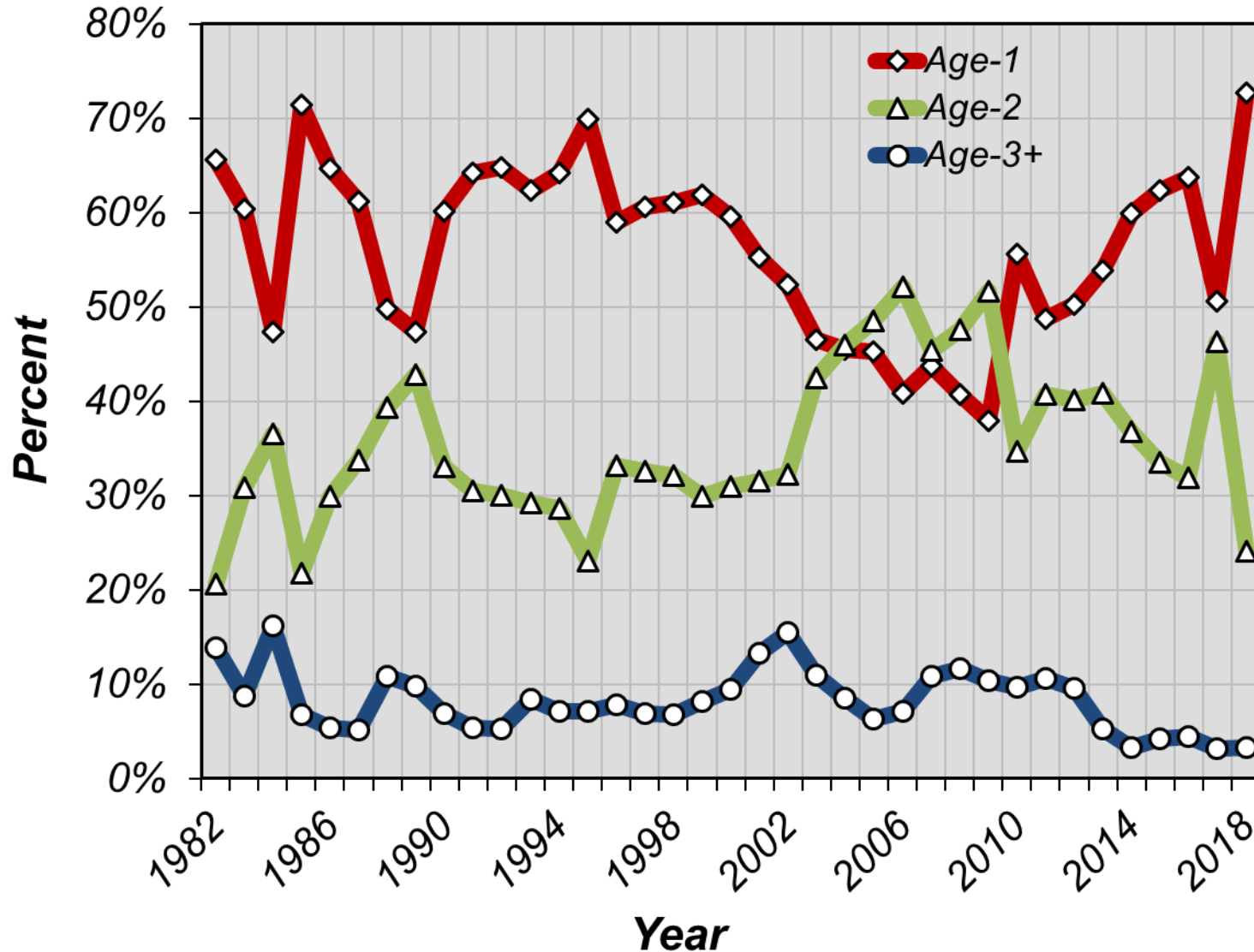
Recreational Landings



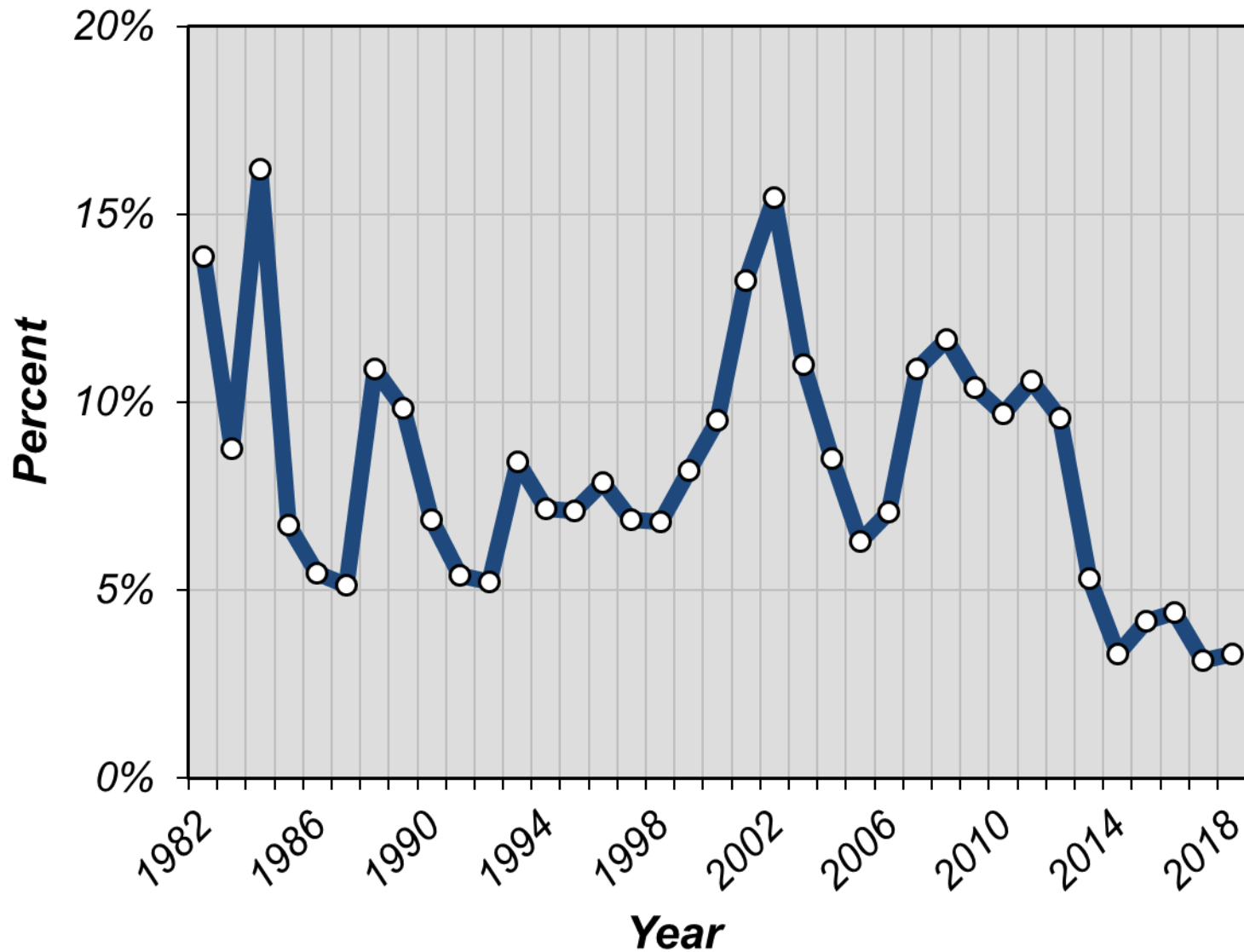
Recreational Landings (2014-2018)



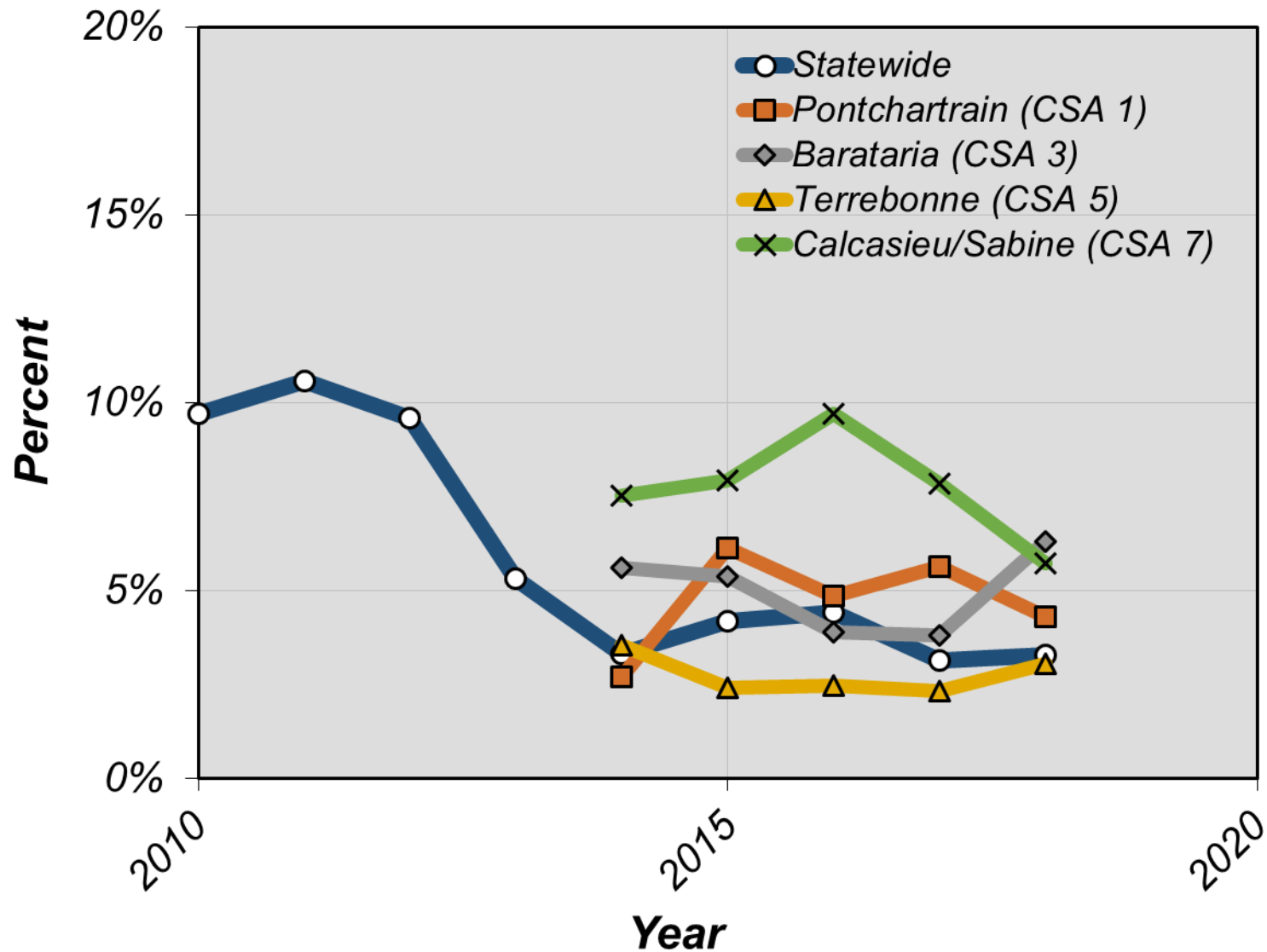
Age Composition Landings



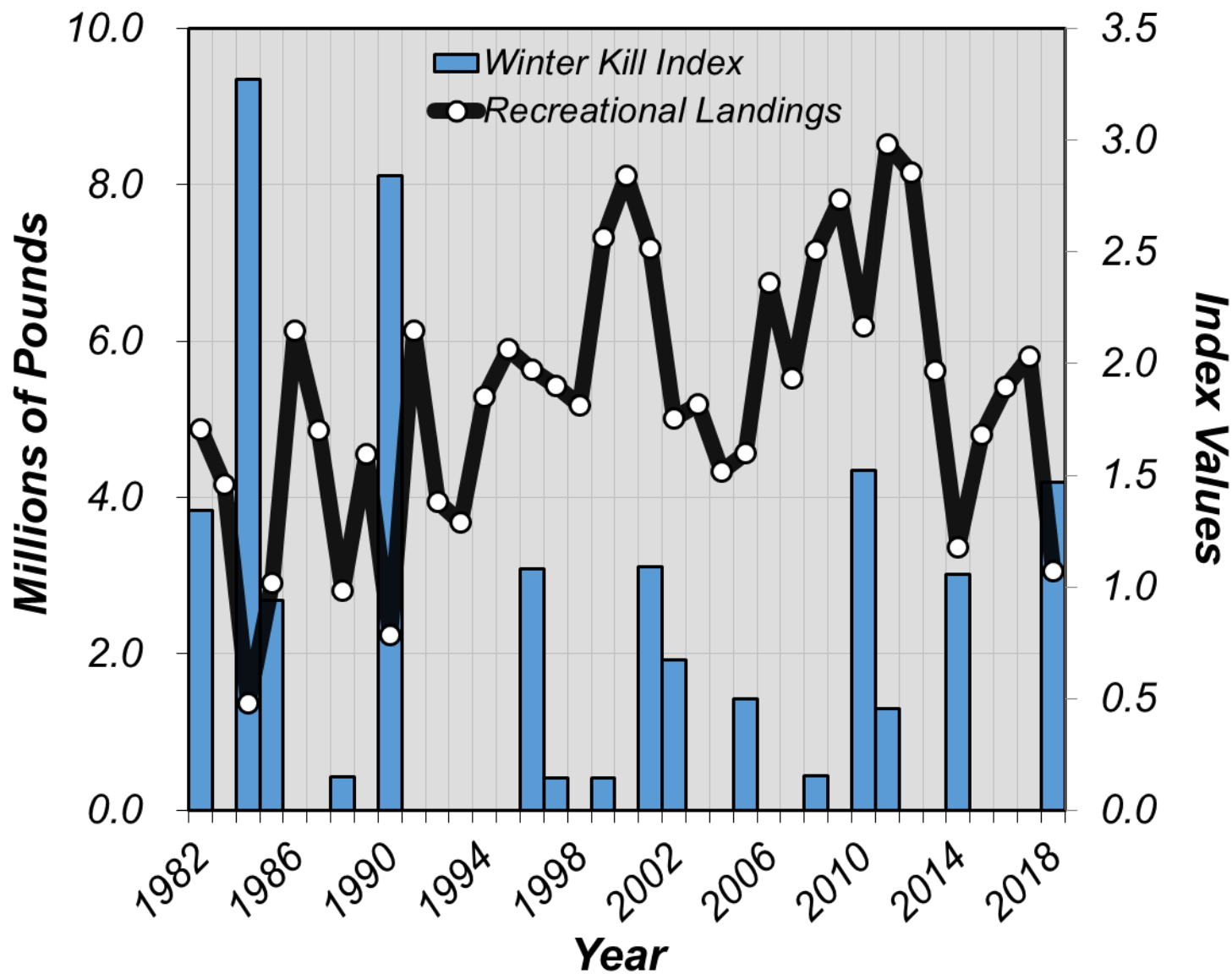
Proportion of Landings Age-3+



Proportion of Recreational Landings Age-3+



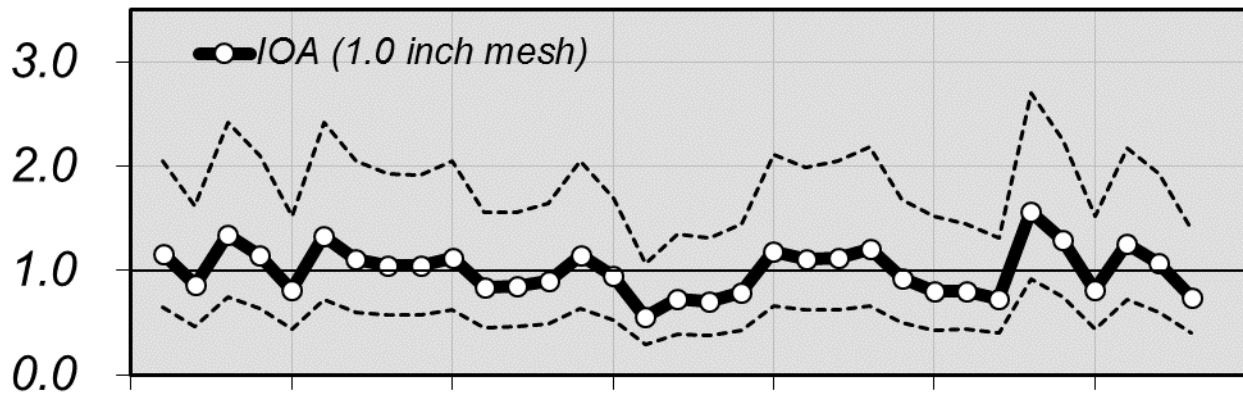
Recreational Landings / Winter Kill Index



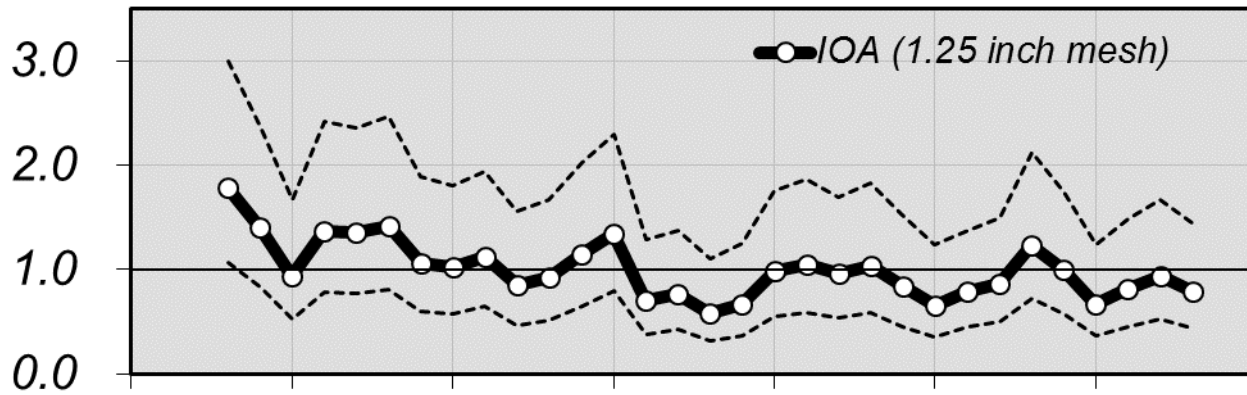
Gillnet Survey



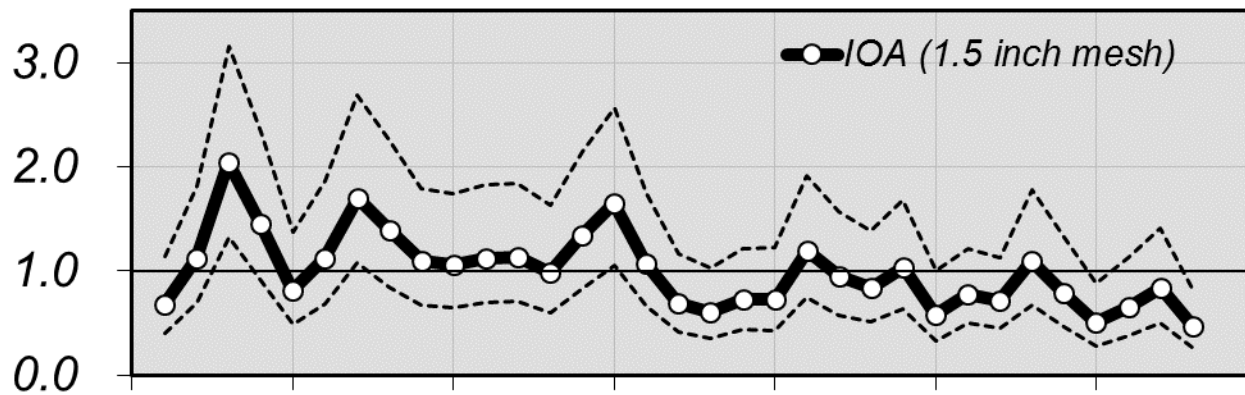
Scaled, Relative
CPUE



Scaled, Relative
CPUE



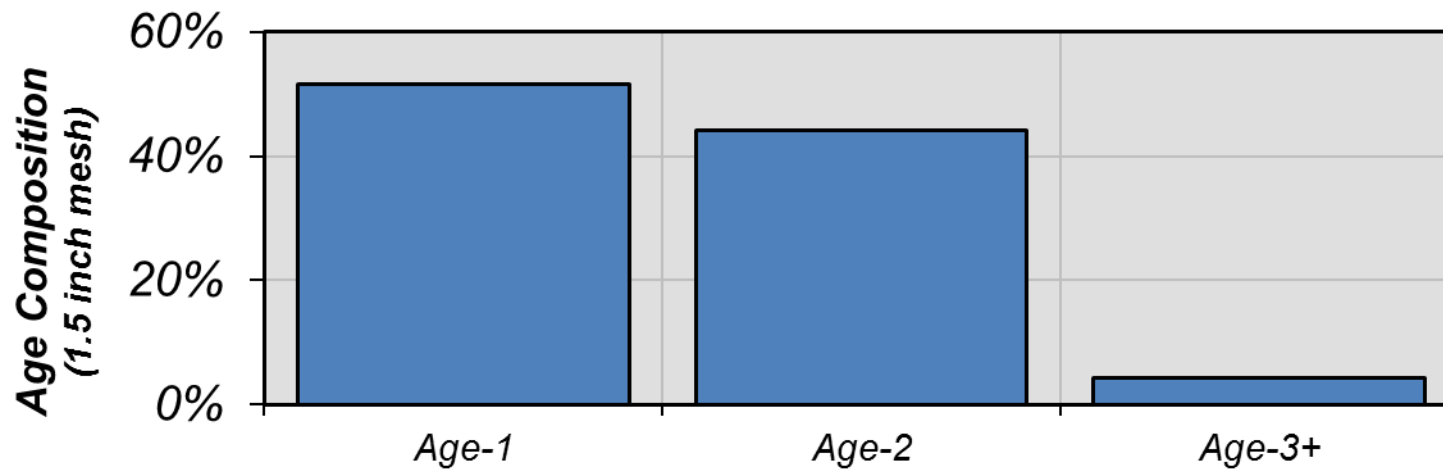
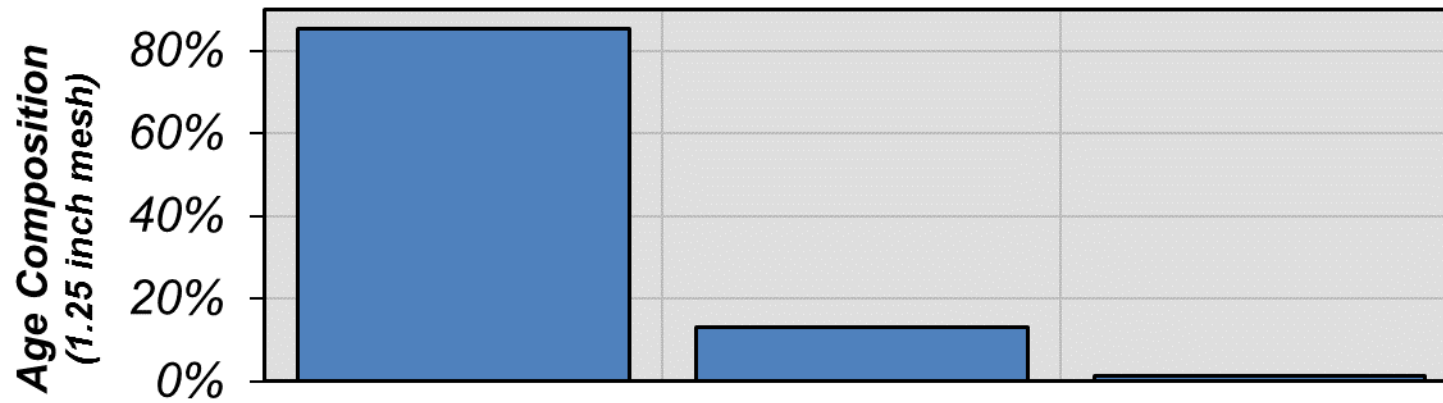
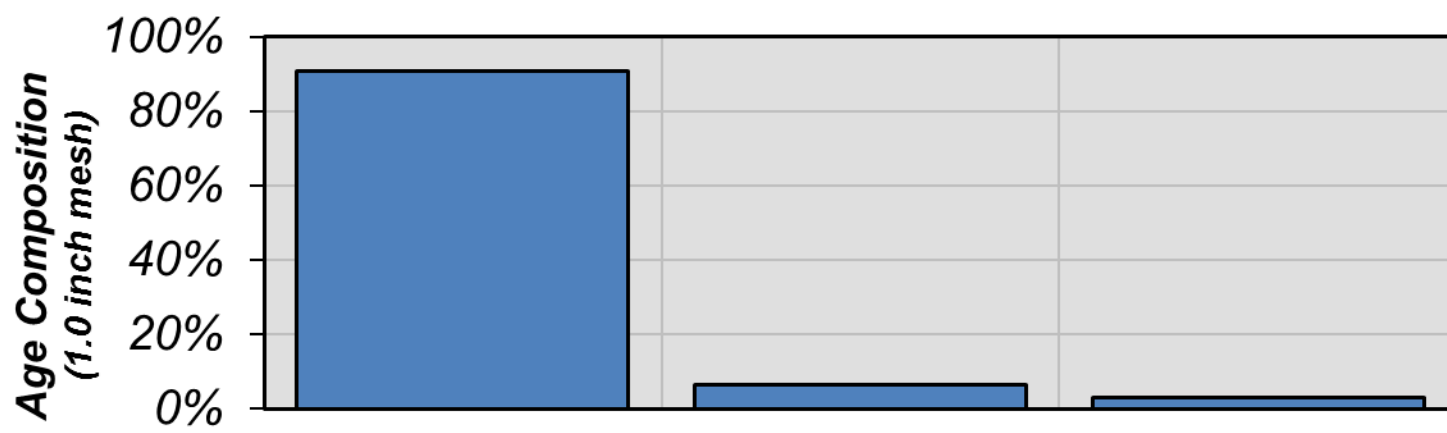
Scaled, Relative
CPUE



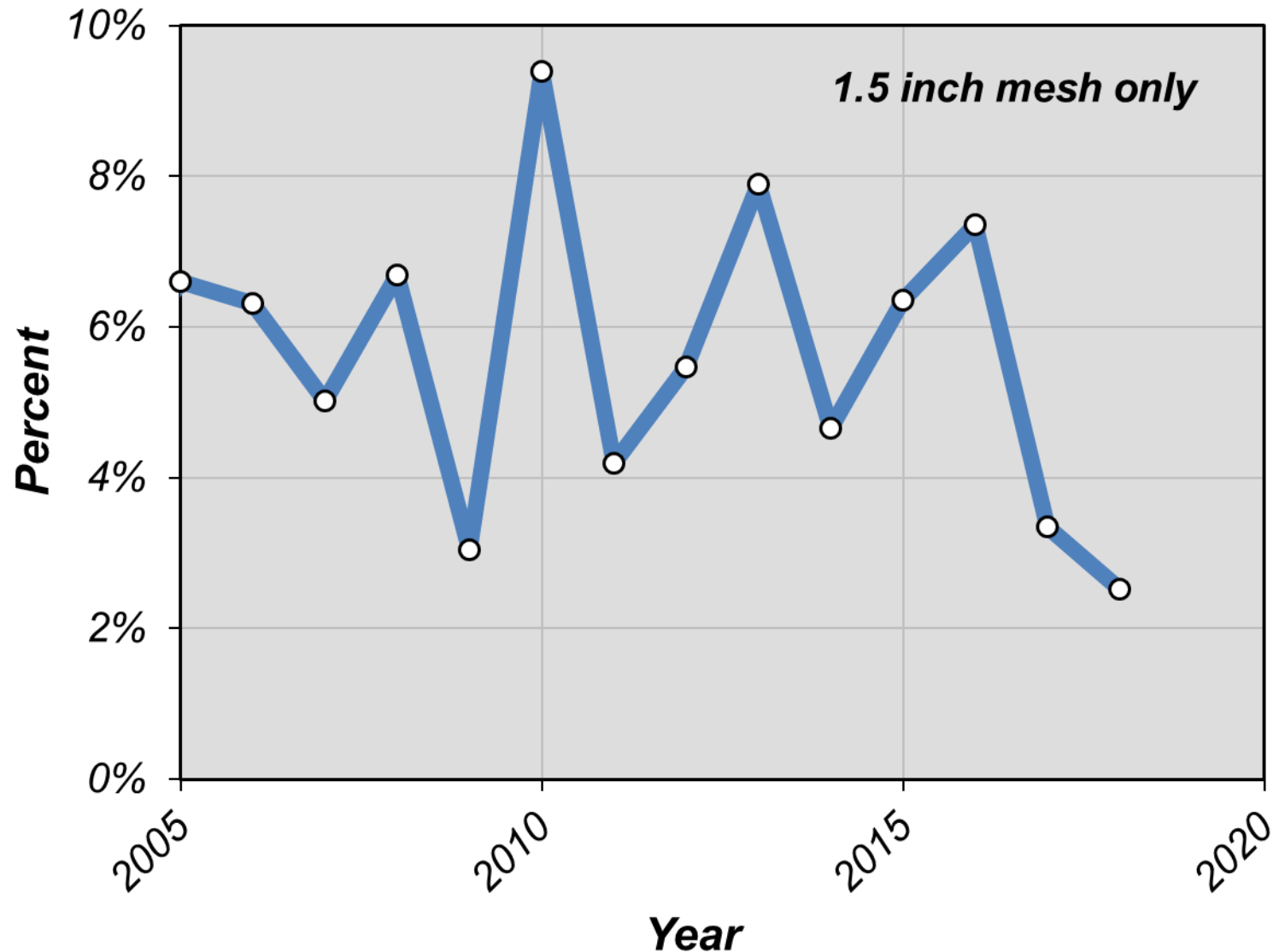
1985 1990 1995 2000 2005 2010 2015 2020

Year





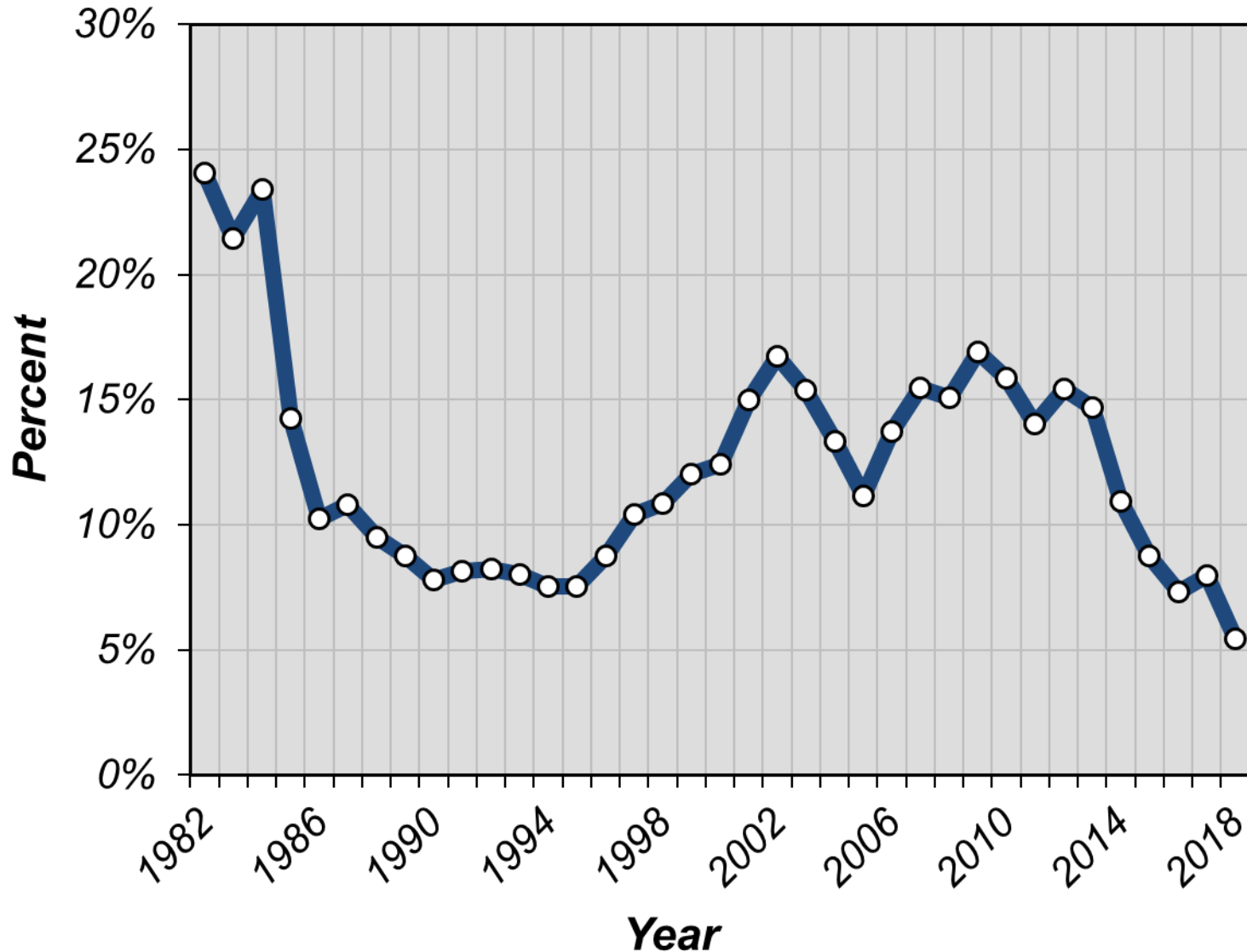
Proportion of Gillnet Catches Age-3+



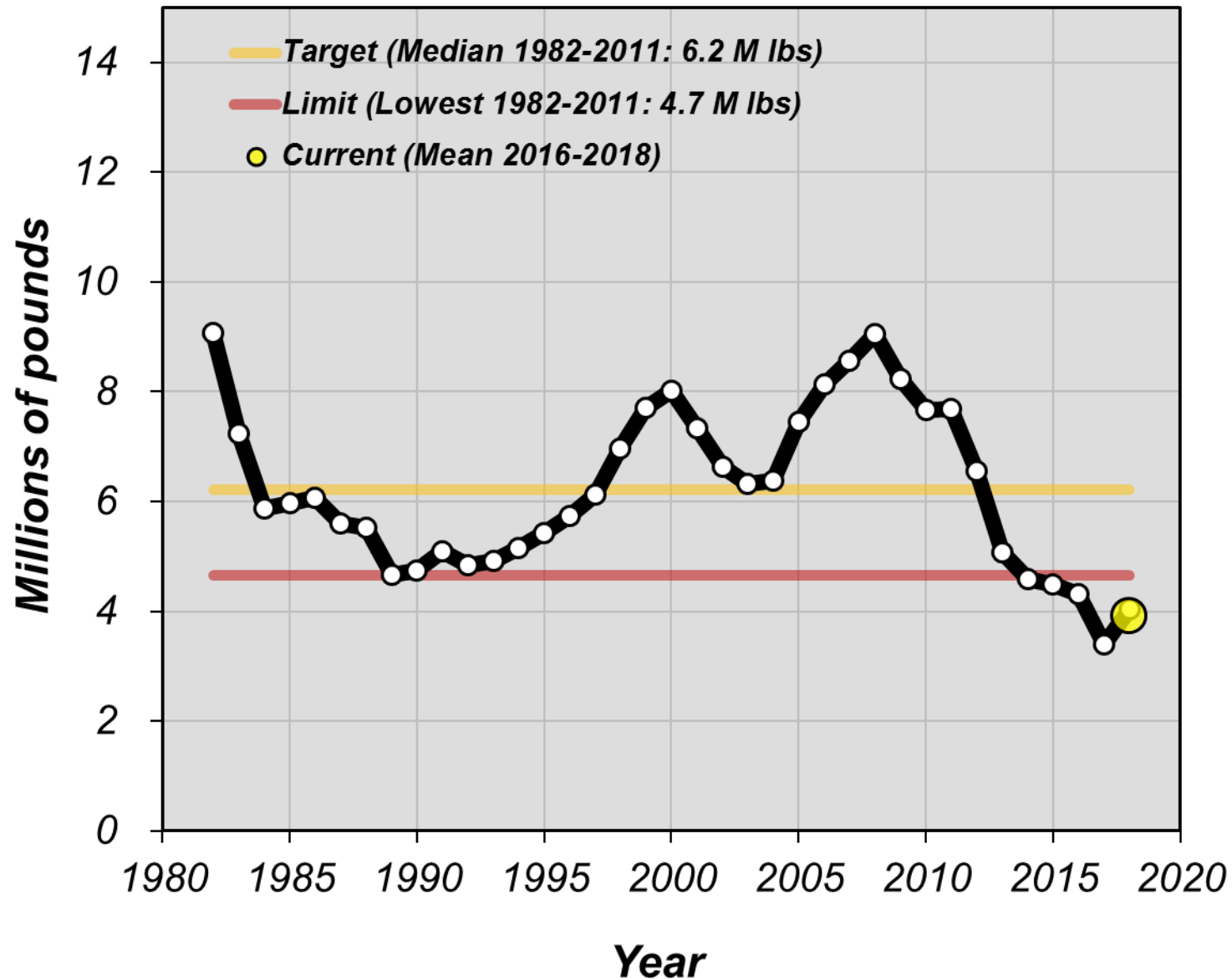
Stock Status



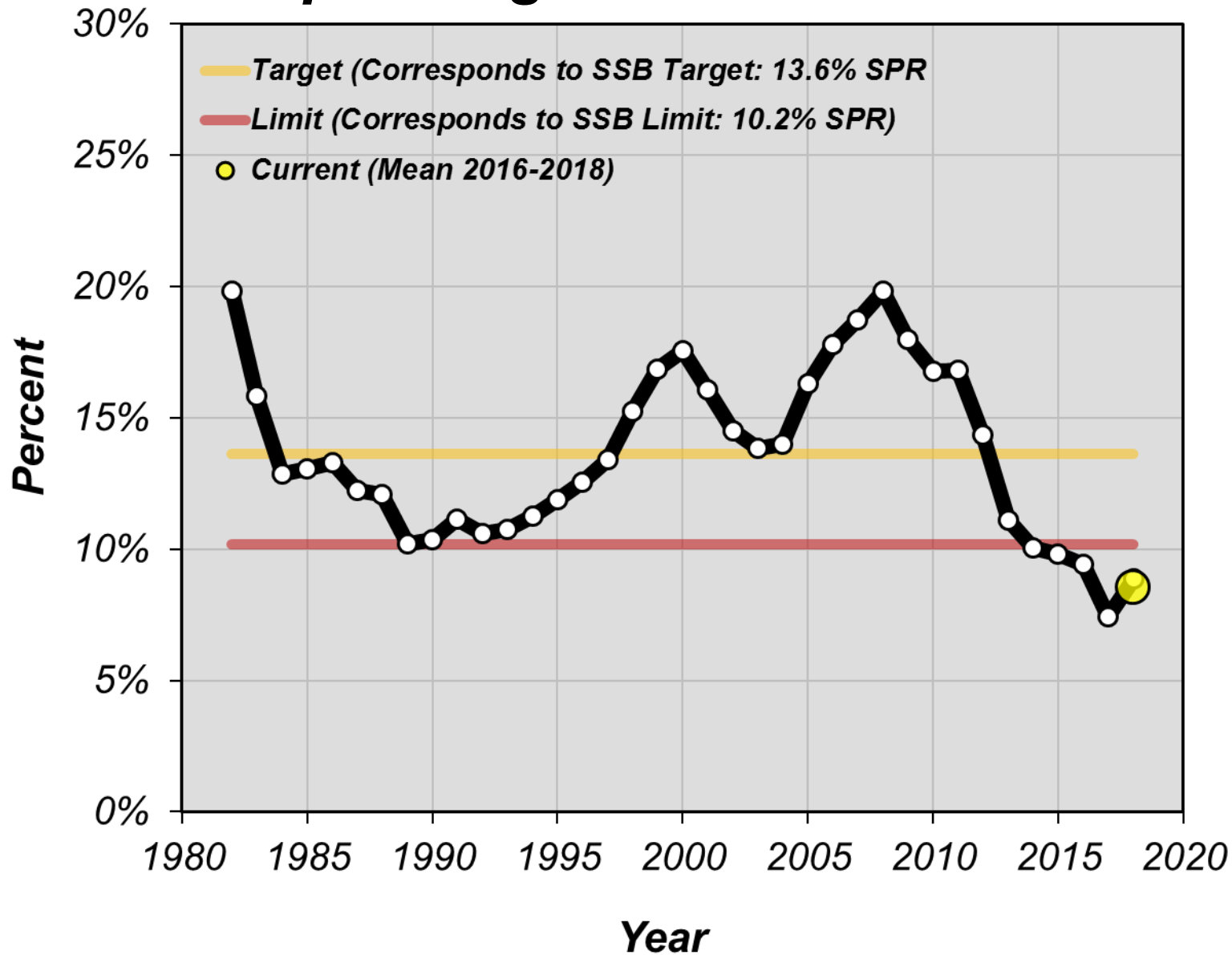
Proportion of Population Age-3+



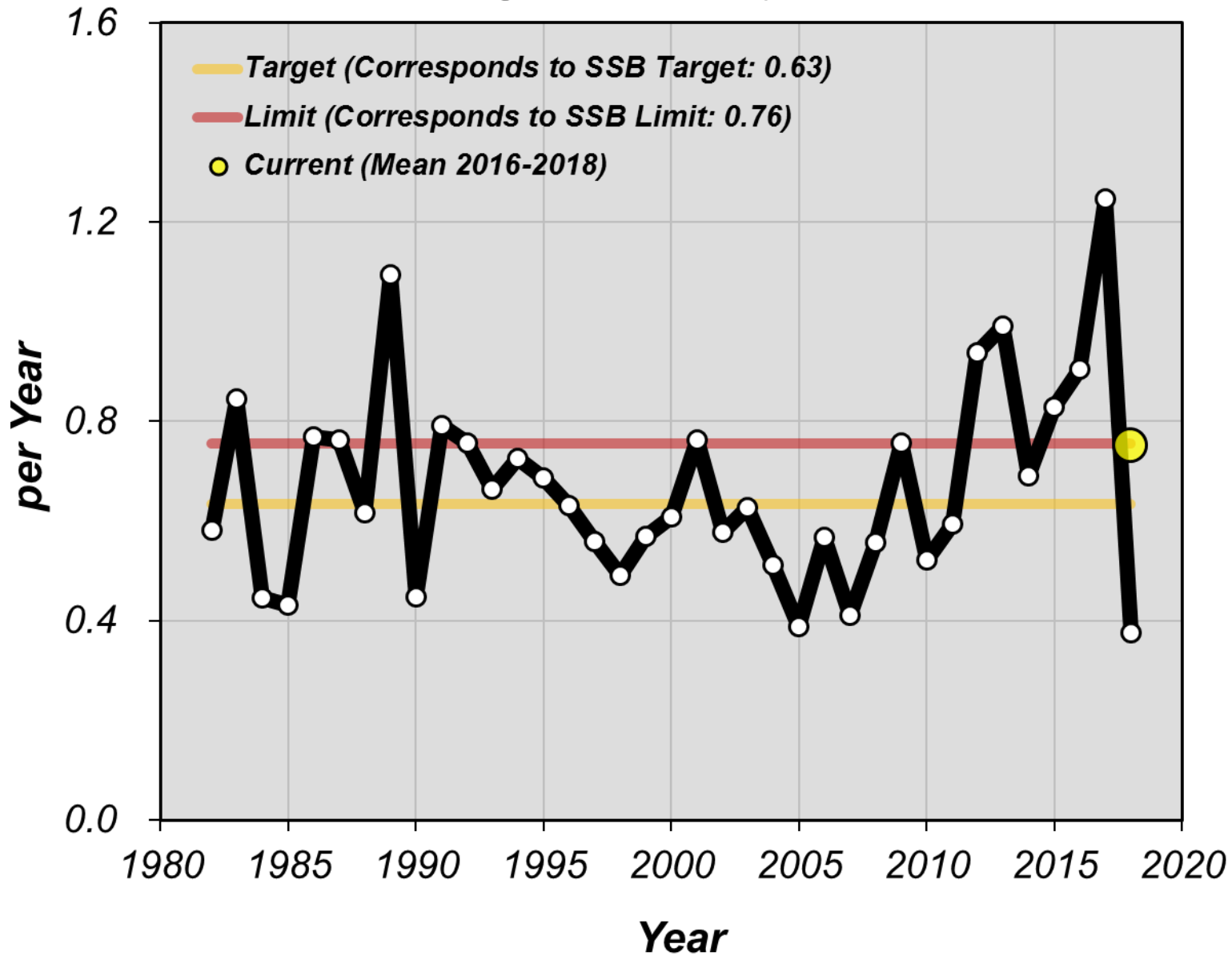
Female Spawning Stock Biomass

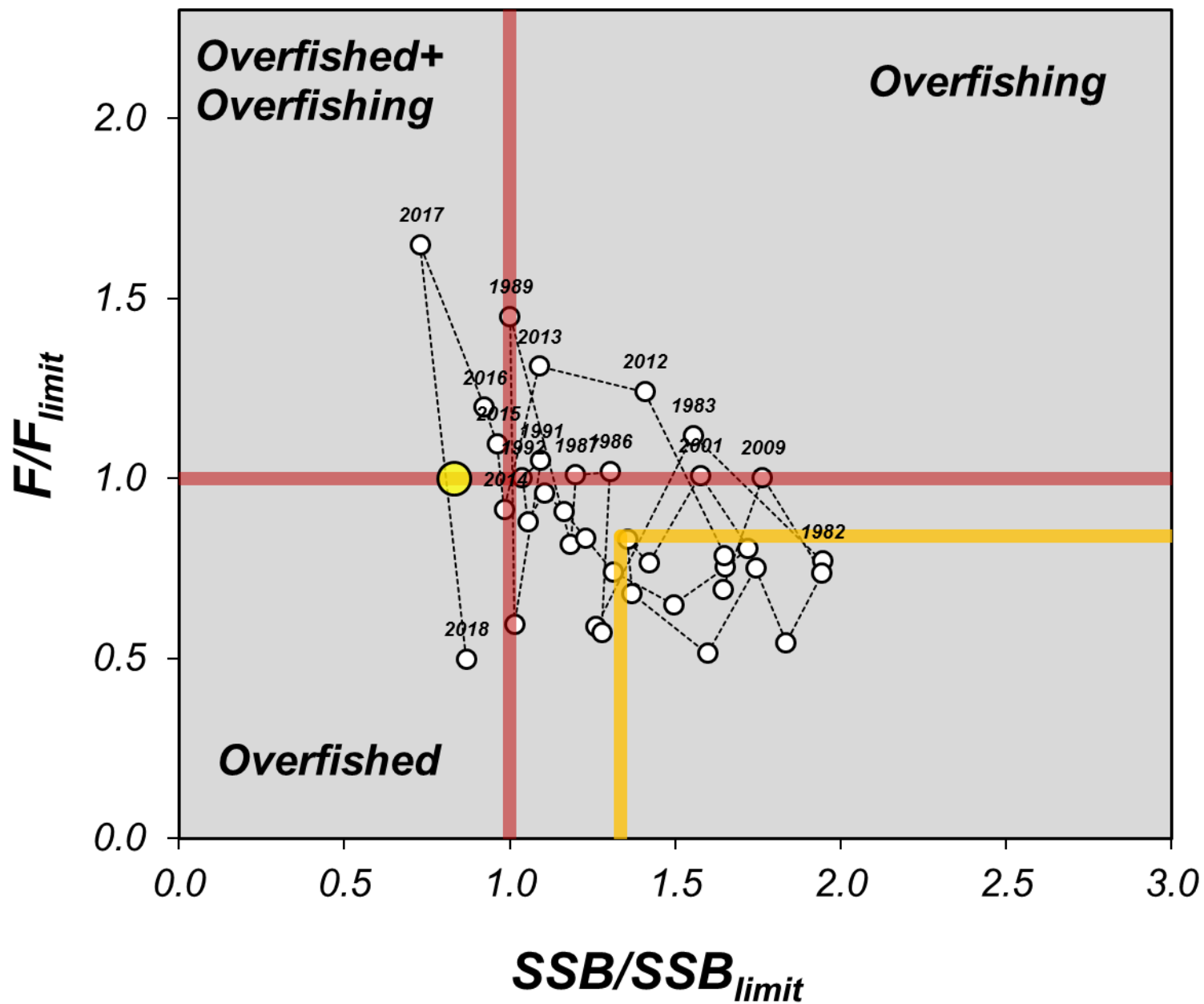


Spawning Potential Ratio



Fishing Mortality Rate





Summary

- **Overfished stock since 2014**
- **Overfishing occurred 6 out of 10 most recent years**
- **Spawning stock biomass at lowest levels observed**
- **Proportion of age-3+ females at lowest levels observed**
- **Recreational landings at lowest levels since 1990**
- **Fishing effort continues to rise**



Next Steps

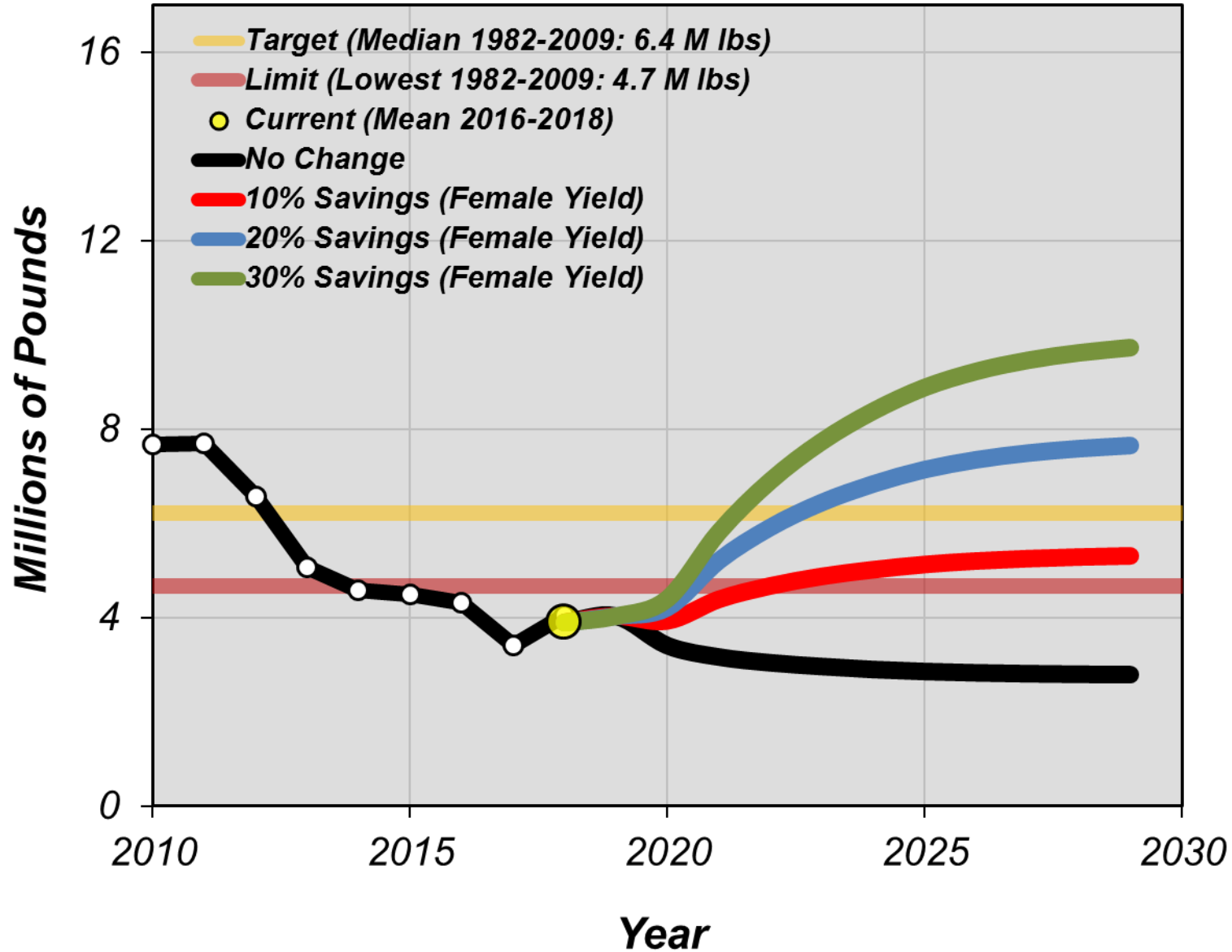
- **Analyze potential management options to improve the status of the stock**
- **Commission feedback needed on preferred management options**
- **Changes will need to be significant and likely controversial**



Management Options



Female Spawning Stock Biomass



Management Options

- Creel limit reduction
- Minimum length limit increase
- Harvest slot limit implementation
- Closed areas
- Closed seasons
- Special regulation implementation after severe winters
- Combinations of any of the above



Questions ?

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