

SEFSC Investigation of Impact of 1989 Recreational Landings on Assessment Model Output

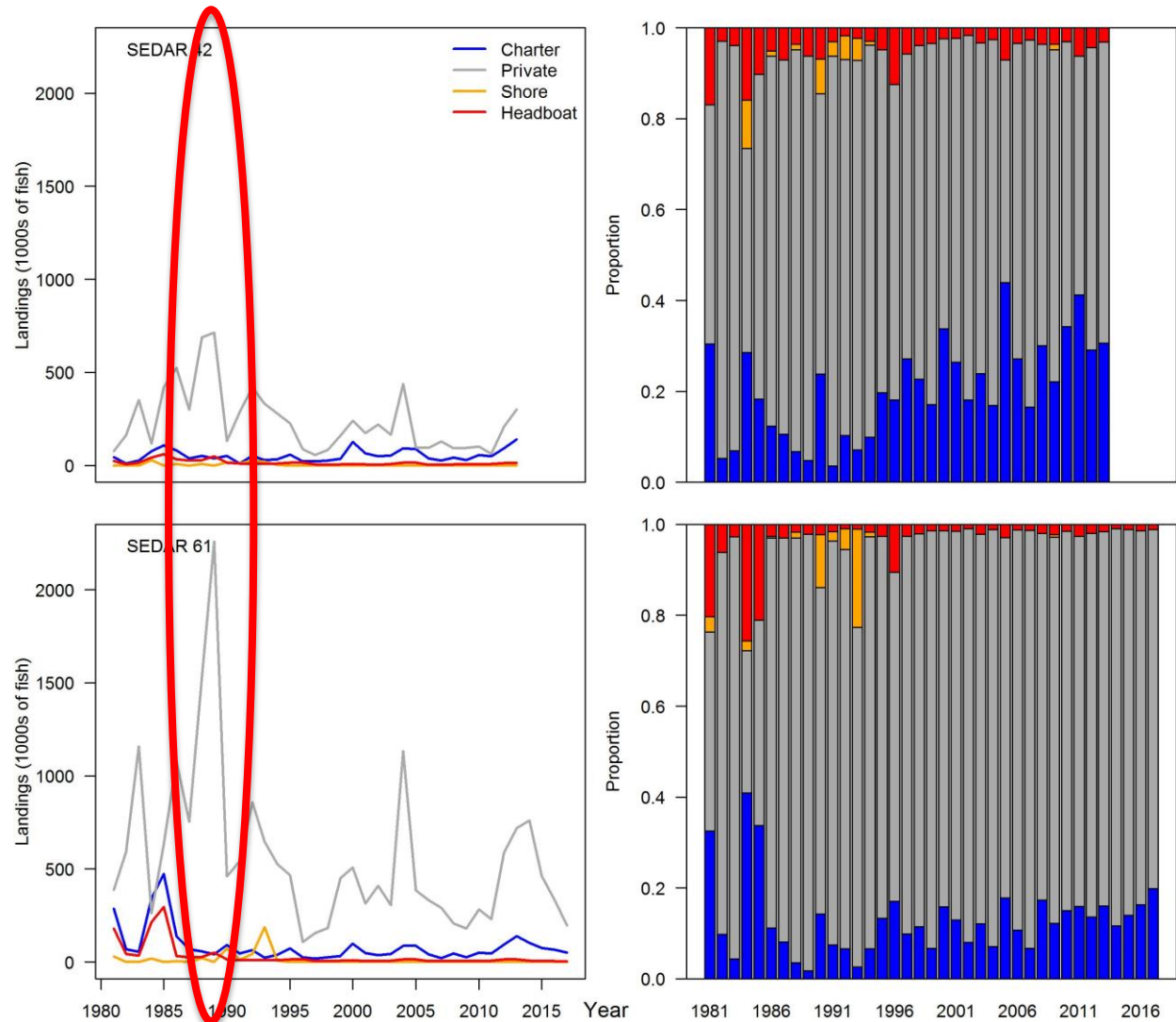


July 8, 2020 SSC MRIP Workshop Motions

Motion: The SSC requests the Gulf Council to request the SEFSC to evaluate the potential impacts of the 1989 FES Red Grouper MRIP landings outlier on the stock assessment results by substituting the average of the adjacent years' landings estimates or any other alternative method deemed best by the SEFSC.

Recreational landings comparison

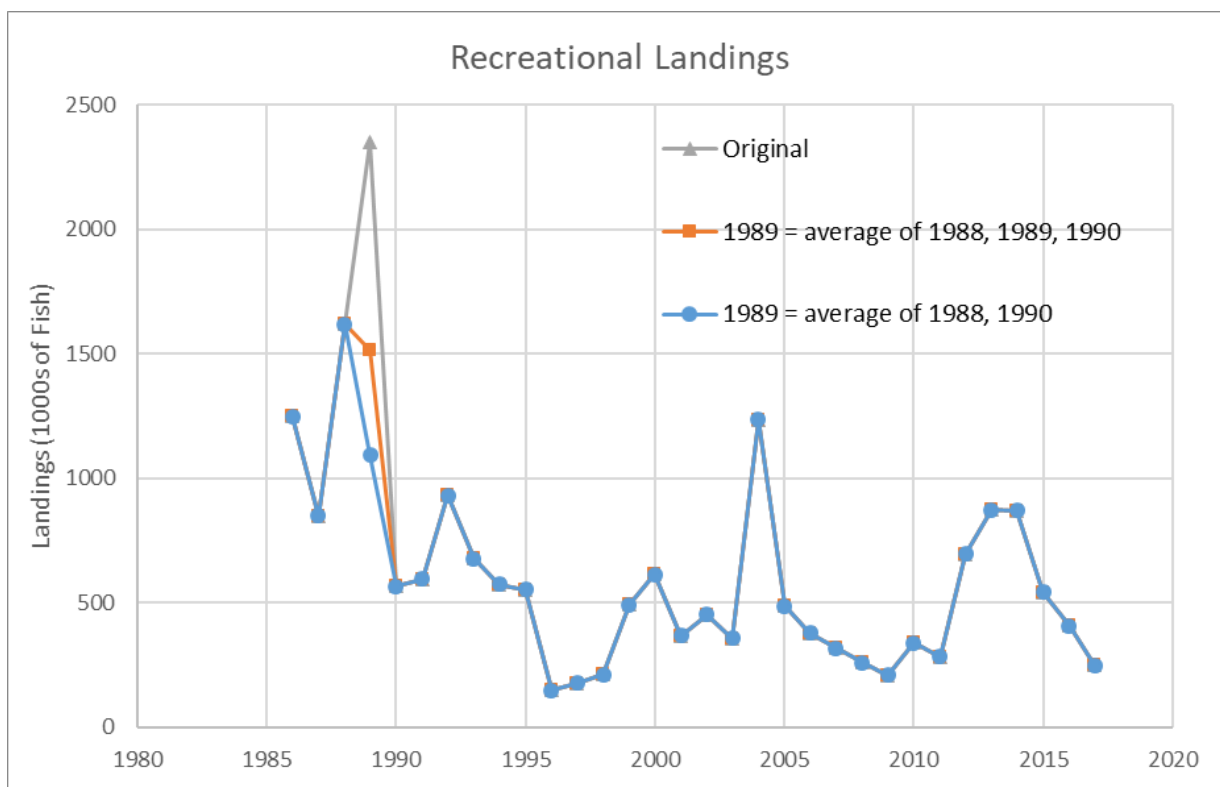
Spike less
apparent but still
present in private
landings from
SEDAR42 (1988
also relatively high)



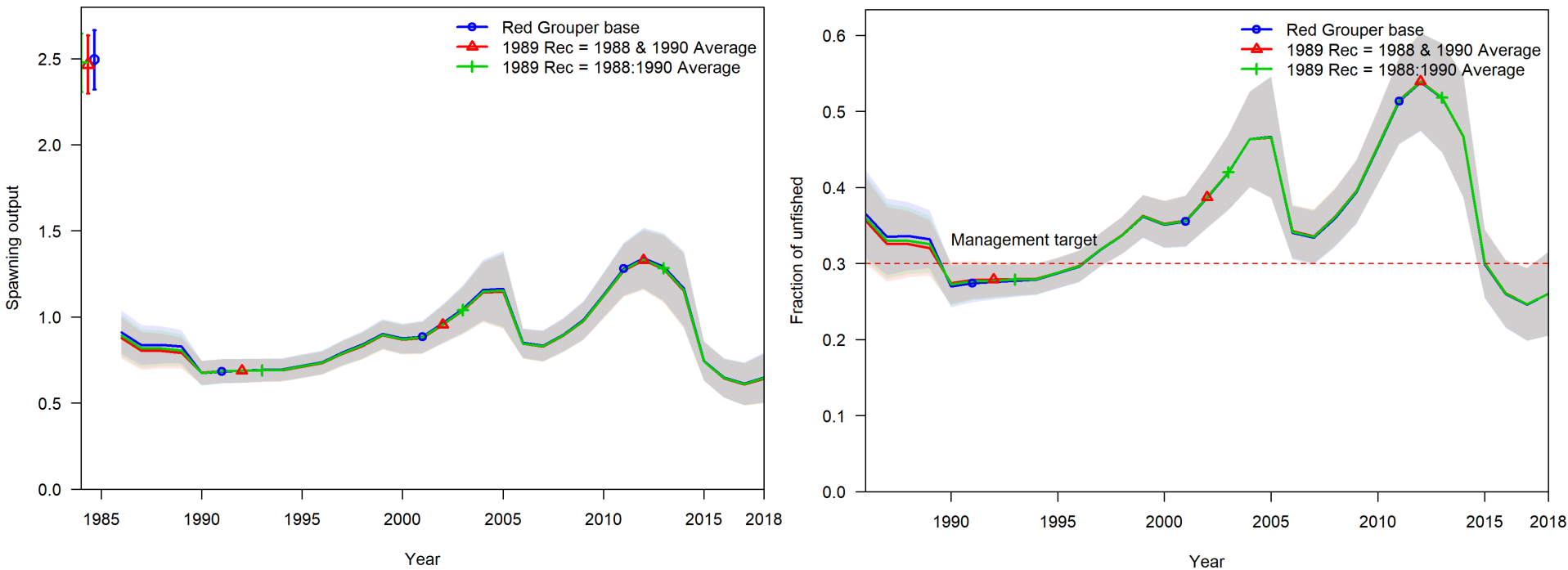
Sensitivity to 1989 recreational landings

Replace estimate with:

1. Average of 1988 and 1990 (blue, SSC request)
2. Average of 1988, 1989, and 1990

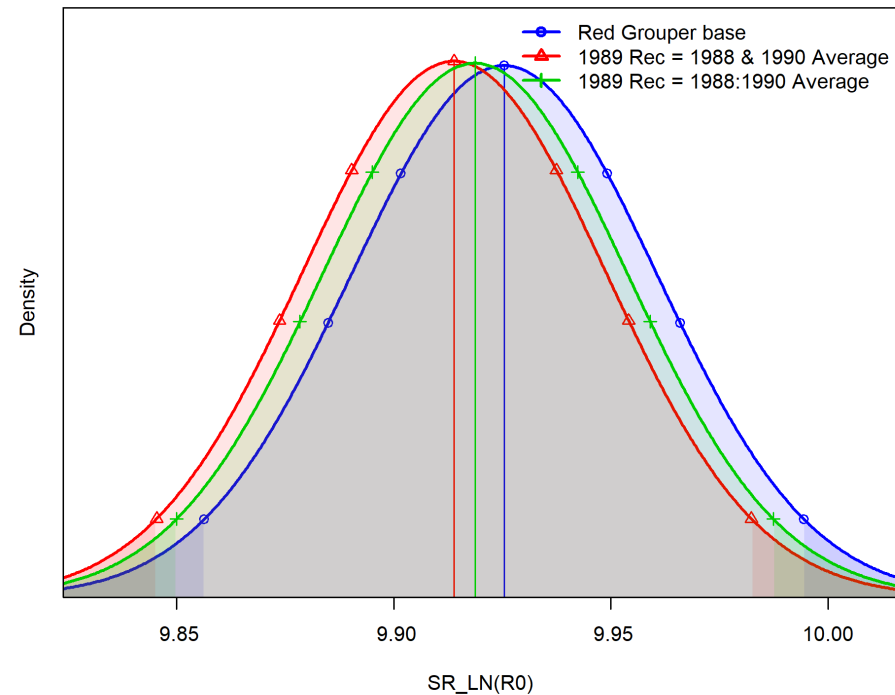
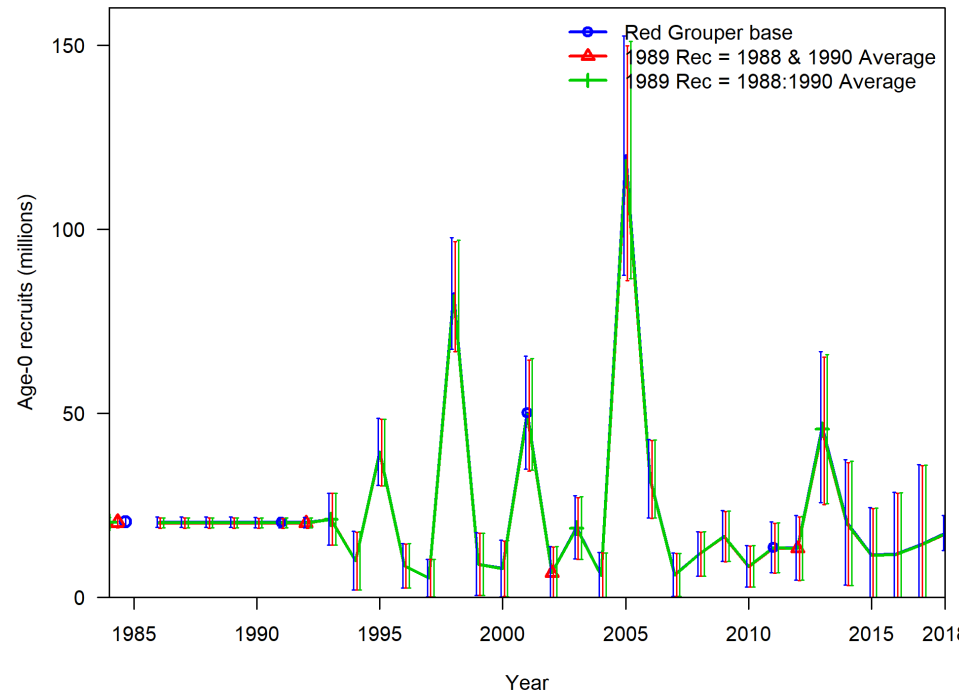


Comparison: SSB (number of eggs, scaled)



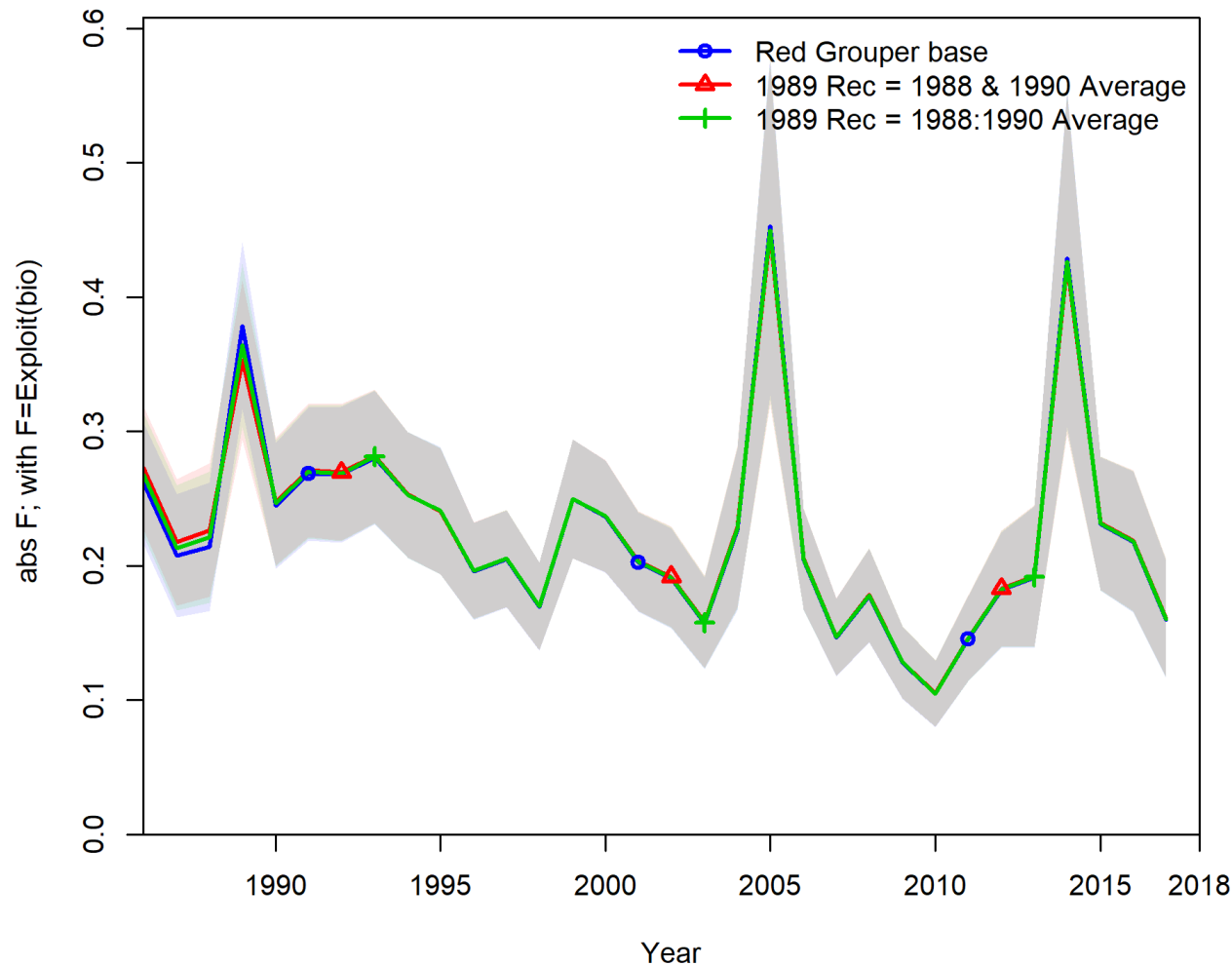
- Slight impact on virgin SSB and early SSB trends, but no impact on terminal SSB

Comparison: recruitment



- No impact on recruitment deviations (start in 1993)
- Minor impact on R0

Comparison: F



- Minor impact in early years, but no impact on terminal F

Summary

- Recreational landings estimate in 1989 does not have a large impact on red grouper assessment results
- SEDAR61 report recommended future assessments incorporate annual error estimates for landings and discards
 - *CVs currently provided for MRIP estimates, but not for Headboat or Commercial*
 - *Research topic underway during SEDAR68 for Scamp*