

The Southeast Reef Fish Survey

2019 Red Snapper Update
Chevron video trap catches



Southeast Reef Fish Survey (SERFS)

- ▶ MARMAP (1972)
- ▶ SEAMAP-SA (2009)
- ▶ SEFIS (2010)

Marine Resources Monitoring, Assessment & Prediction Program
Southeast Area Monitoring & Assessment Program (South Atlantic)
Southeast Fishery Independent Survey

R/V *Palmetto*



R/V *Savannah*

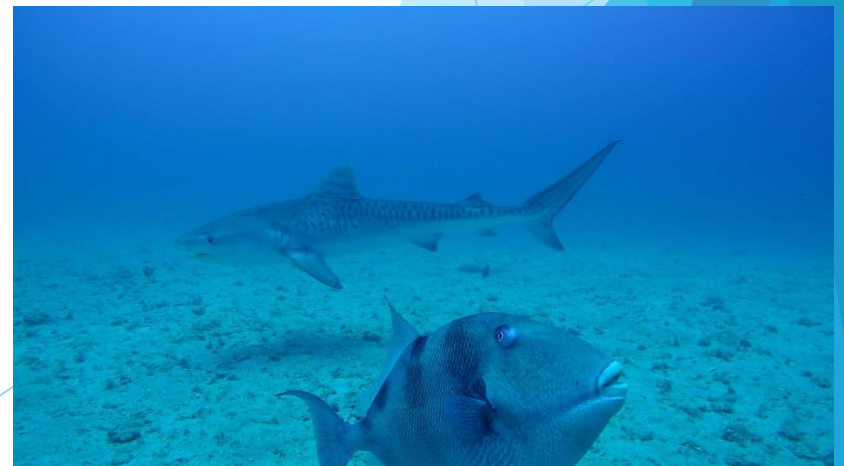


NOAA Ship *Pisces*



Southeast Reef Fish Survey (SERFS)

- ▶ 2019 Field season update
 - ▶ 101.5 Days at sea
 - ▶ 1,745 Chevron video traps - 323 CTDs
 - ▶ 44,073 Fish (70 species)
 - ▶ 12,151 Fish for life history (44 species)
- ▶ 2019 Sample and data processing is ongoing
- ▶ Red Snapper 6th most abundant species in traps



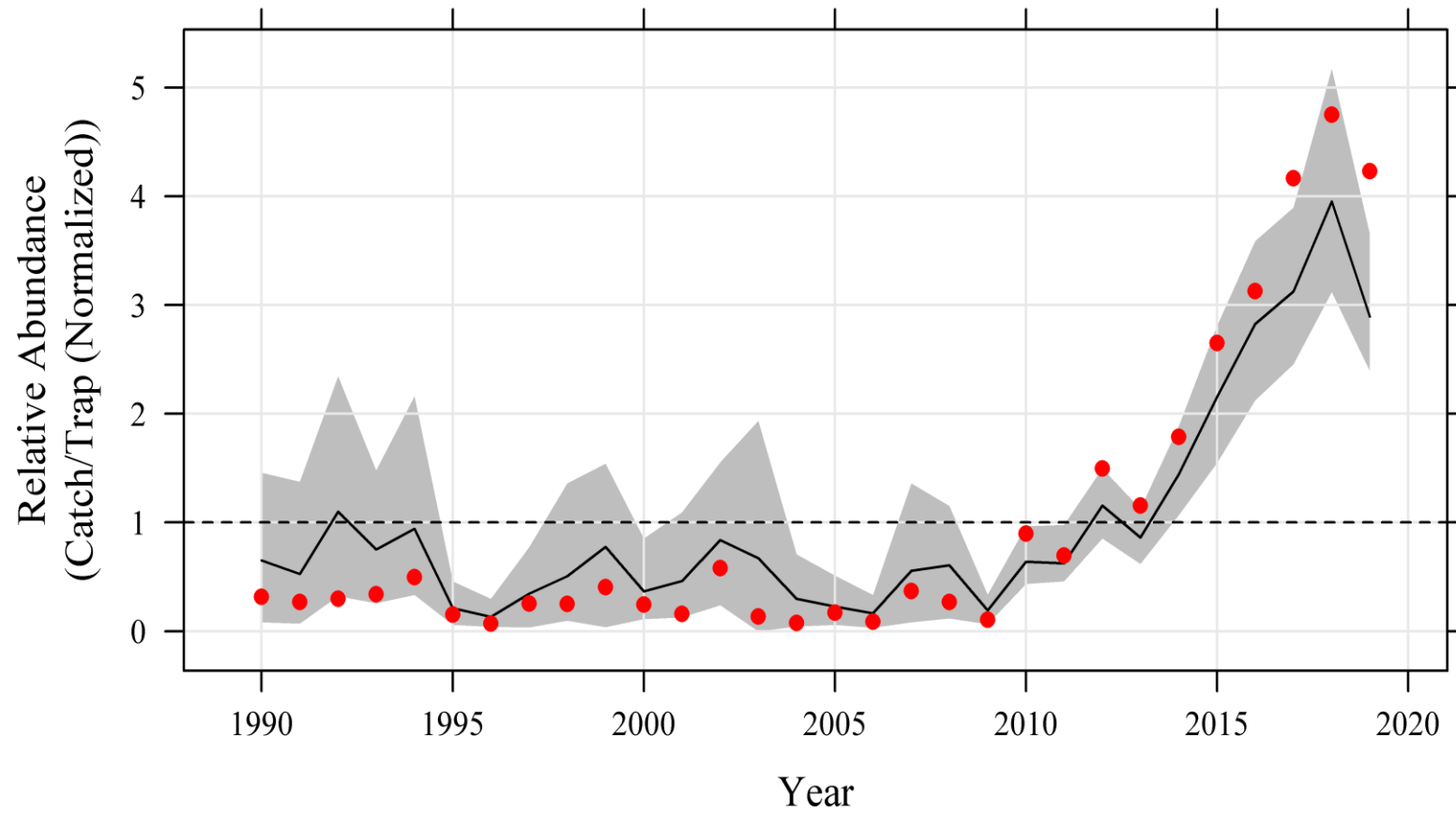
Update Red Snapper Chevron video trap catch data Southeast Reef Fish Survey (SERFS)

- ▶ Gear: chevron trap catches only (1990-2019)
No video data
- ▶ CPUE ($\frac{Catch}{Trap}$)
 - ▶ Standardized using
Zero-Inflated Negative Binomial Method (ZINB)
 - ▶ Index normalized to long-term average

Caveat: Fish. Indep. CPUE overview - no stock status update

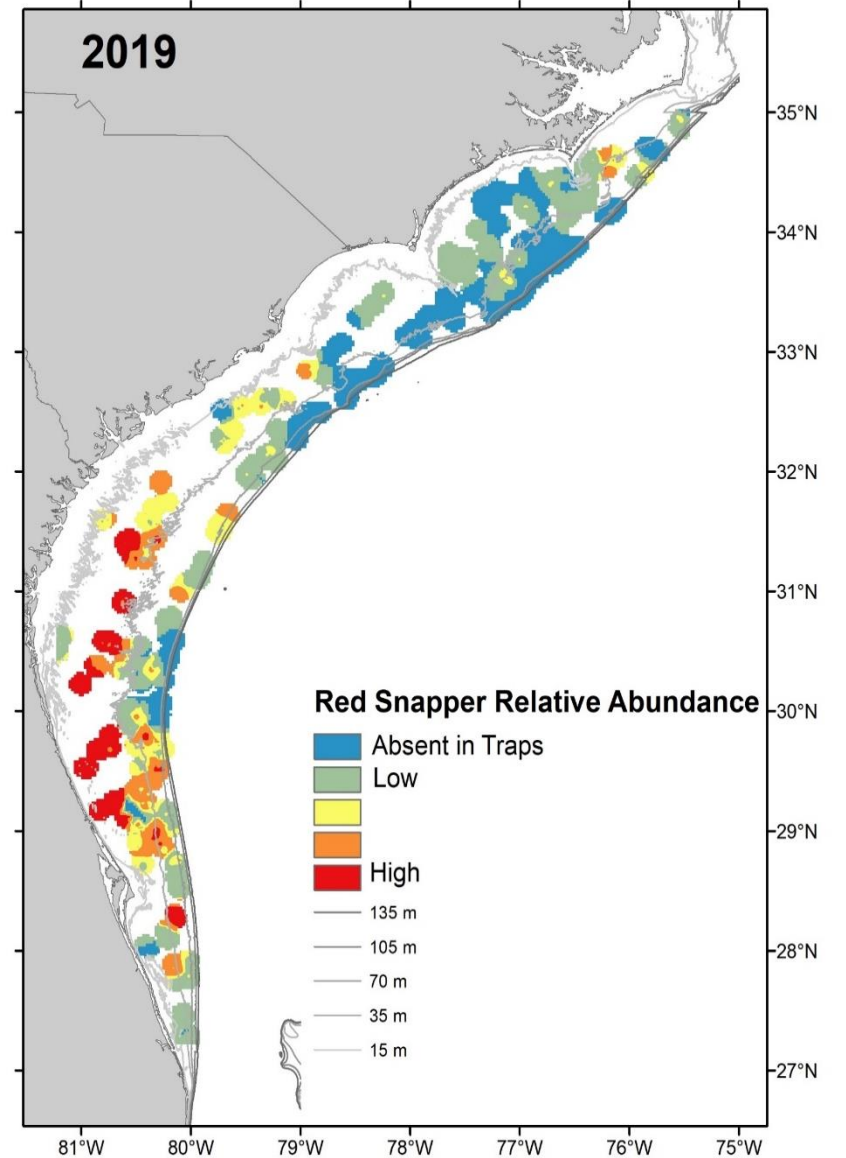
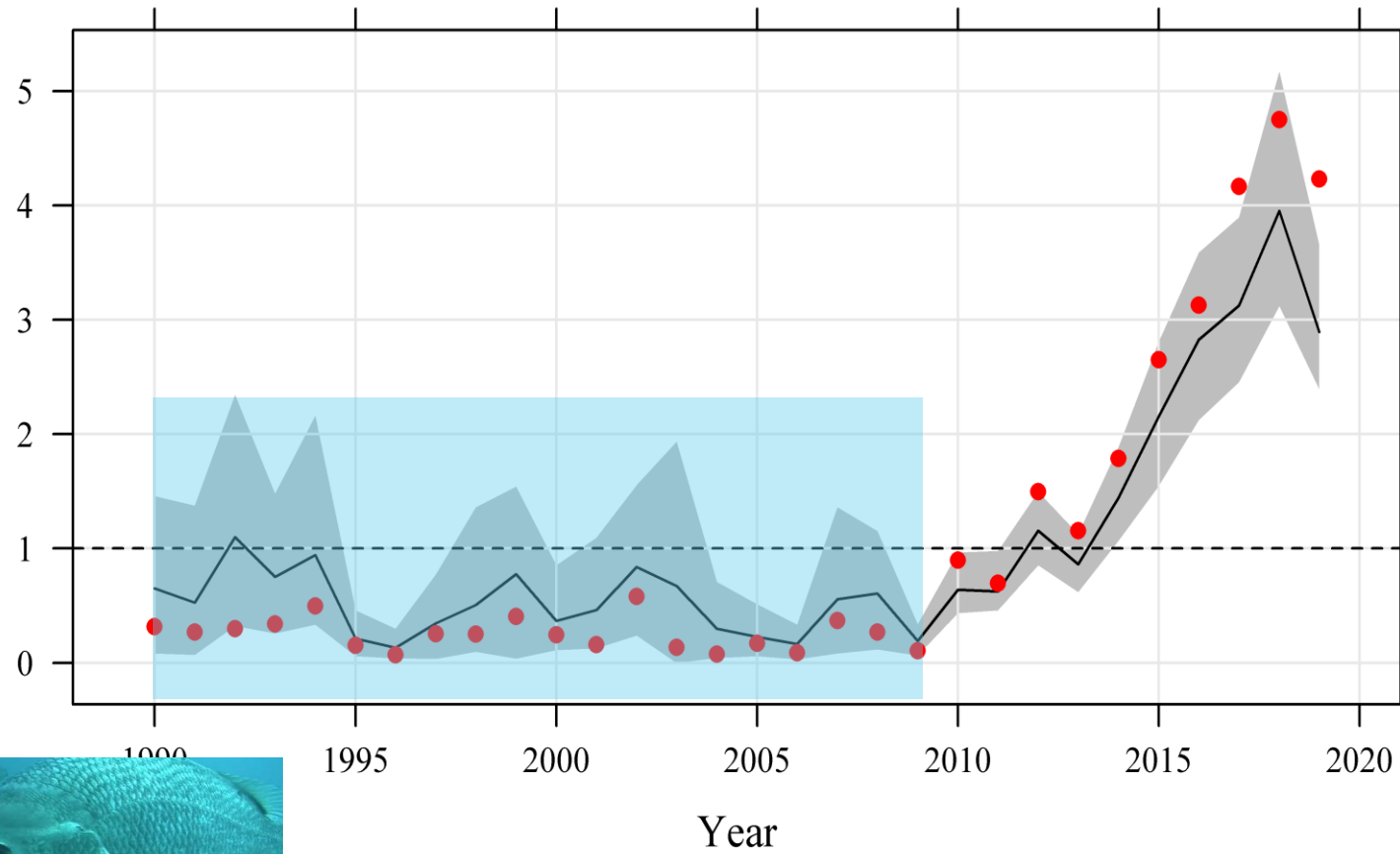


Red Snapper CPUE



Red Snapper CPUE

Relative Abundance
(Catch/Trap (Normalized))





Acknowledgements:

Walter Buble, Dawn Glasgow,
Tracey Smart, Michelle Willis,
Christina Schobernd, Nate Bacheler

MARMAP/SEAMAP-SA/SEFIS
Staff & Students
Research Vessel Crews

Past and present