Gray Triggerfish OFL, ABC, and Rebuilding Plan Parameters
(from January 5-6, 2016 SSC meeting)

T_{MIN} (time to recover in the absence of fishing mortality)

Using the selected recruitment scenario, with no fishing mortality beginning in 2017, the gray triggerfish stock is projected to recover to a biomass at 30% SPR (i.e., spawning biomass is 30% of virgin biomass) in 6 years, by 2022. This is T_{MIN}.

OFL and ABC Yield Streams for an 8, 9 ,or 10-year rebuilding period

Rebuilding yields streams ($F_{REBUILD}$) were constructed for 8, 9, or 10 year rebuilding scenarios. A 7-year rebuilding scenario could not be constructed because, at any level of directed harvest, the accompanying discard mortality would increase overall fishing mortality above the levels needed to rebuild in that time frame.

By a vote of 18 to 2, the SSC recommends that the OFL for Gulf gray triggerfish for years 2017-2019 is 1.31, 1.29, and 1.22 mp ww, respectively. Annual ABC for these years will be computed as the 40th percentile of the $F_{REBUILD}$ PDF, which is contingent upon the Council specifying the duration of the rebuilding plan.

Year	OFL	ABC_{2024} 8-year rebuild	ABC_{2025} 9-year rebuild	ABC_{2026} 10-year rebuild
2017	**1,310,000**	**216,000**	**399,000**	**546,000**
2018	**1,290,000**	**227,000**	**412,000**	**554,000**
2019	**1,220,000**	**233,000**	**417,000**	**555,000**

Yields are in pounds whole weight.

Rebuild yield streams (50% probability of overfishing) on which ABCs are based. Yields are in pounds whole weight.

YEAR	$F_{REBUILD2024}$	$F_{REBUILD2025}$	$F_{REBUILD2026}$
2017	224,500	414,500	567,500
2018	236,100	427,300	575,400
2019	241,700	431,700	575,300
2020	245,800	435,600	577,100
2021	259,700	458,300	605,100
2022	292,300	514,200	676,900
2023	330,200	577,500	756,600
2024	368,500	639,700	833,300
2025	402,500	694,200	899,400
2026	431,900	740,900	955,600