

**South Atlantic Council's Acceptable Biological Catch (ABC) Control Rule**  
**SEDAR 64: Yellowtail Snapper**

<b>Level 1 – Assessed Stocks</b>	
<b>Dimension</b>	<b>Tier Classification and Methodology to Compute ABC</b>
<b><i>I. Assessment Information (10%)</i></b>	1. Quantitative assessment provides estimates of exploitation and biomass; includes MSY-derived benchmarks. (0%) <b>2. Reliable measures of exploitation or biomass; no MSY benchmarks, proxy reference points. (2.5%)</b> 3. Relative measures of exploitation or biomass, absolute measures of status unavailable. Proxy reference points. (5%) 4. Reliable catch history. (7.5%) 5. Scarce or unreliable catch records. (10%)
<b><i>II. Uncertainty Characterization (10%)</i></b>	1. Complete. Key Determinant – uncertainty in both assessment inputs and environmental conditions are included. (0%) 2. High. Key Determinant – reflects more than just uncertainty in future recruitment. (2.5%) <b>3. Medium. Uncertainties are addressed via statistical techniques and sensitivities, but full uncertainty is not carried forward in projections. (5%)</b> 4. Low. Distributions of FMSY and MSY are lacking. (7.5%) 5. None. Only single point estimates; no sensitivities or uncertainty evaluations. (10%)
<b><i>III. Stock Status (10%)</i></b>	<b>1. Neither overfished nor overfishing. Stock is at high biomass and low exploitation relative to benchmark values. (0%)</b> 2. Neither overfished nor overfishing. Stock may be in close proximity to benchmark values. (2.5%) 3. Stock is either overfished or overfishing. (5%) 4. Stock is both overfished and overfishing. (7.5%) 5. Either status criterion is unknown. (10%)
<b><i>IV. Productivity and Susceptibility – Risk Analysis (10%)</i></b>	1. Low risk. High productivity, low vulnerability, low susceptibility. (0%) <b>2. Medium risk. Moderate productivity, moderate vulnerability, moderate susceptibility. (5%)</b> 3. High risk. Low productivity, high vulnerability, high susceptibility. (10%)

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### **South Atlantic SSC P\* Analysis**

**(from Oct 2020 Joint SA & GOM SSC webinar)**

Dimension I: Assessment Information – Tier 2 (-2.5%)

- Comments: SPR proxies used. Absolute measures of abundance and exploitation.

Dimension II: Uncertainty Characterization – Tier 3 (-5%)

- Comments: SS3 does not use the same MCMC analysis used by the Beaufort lab, therefore missing some of the uncertainty.

Dimension III: Stock Status – Tier 1 (-0%)

- Comments: Stock was well above  $SSB_{SPR30}$  and well below  $F_{SPR30}$ .

Dimension IV: PSA Risk Analysis – Tier 2 (-5%)

- Comments: Category from MRAG PSA analysis from the Gulf.

**Adjustment: -12.5%**

**P\* Value: 37.5%**