

SEDAR 64 Yellowtail Snapper, Data Review Workshop St. Petersburg, FL, June 25 – 27, 2019

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### In SEDAR 27A....

- ASAP STATISTICAL CATCH-AT-AGE MODEL
- SINGLE STOCK
- 1981 2010
- AGE-LENGTH-KEY CONFIGURATION
  - Fleet specific catch-at-age & discards-at-age from ALKs for each region to represent age and compositions in catches and discards
  - Age comps for discards unknown and estimated using discards measured from atsea sampling on head boats and converted to ages using ALKs
  - ALKS were in terms of TL
- 3 FLEETS
  - commercial, general rec (MRIP), and headboat
- 4 IOAS
  - 3 FD, 1 FI
  - MRIP & HB indices 1981 2010
  - Comm H&L index 1993 2010
  - NMFS-UM RVC index 1998 2010
- AGES: 1 12+

### <u>What we know for this time...?</u>

# CONTINUITY

- ASAP (?) / SS (?)
  - May be that the "continuity" is old data in new model type
- NEW MODELING FRAMEWORK
  - Stock Synthesis
  - 1 single area model in addition to an area's-as-fleets type model (SE FL and Keys)
  - 1981
  - ALKs in terms of FL
  - Ages: 0 -> max age (we will decide + group when time comes)
  - Length bins (FL): 1 max length (we will decide + group)

### Our Ideal Working Data

- Delivered to us at finest resolution possible....
- Temporal: Monthly
- Spatial: See map on next page
- Morphometric Bins
  - Age: 0 max age in dataset
  - Length: 1 cm max length in dataset
    - by 1 cm bins
    - FL ideal

### Finest Spatial Resolution

