



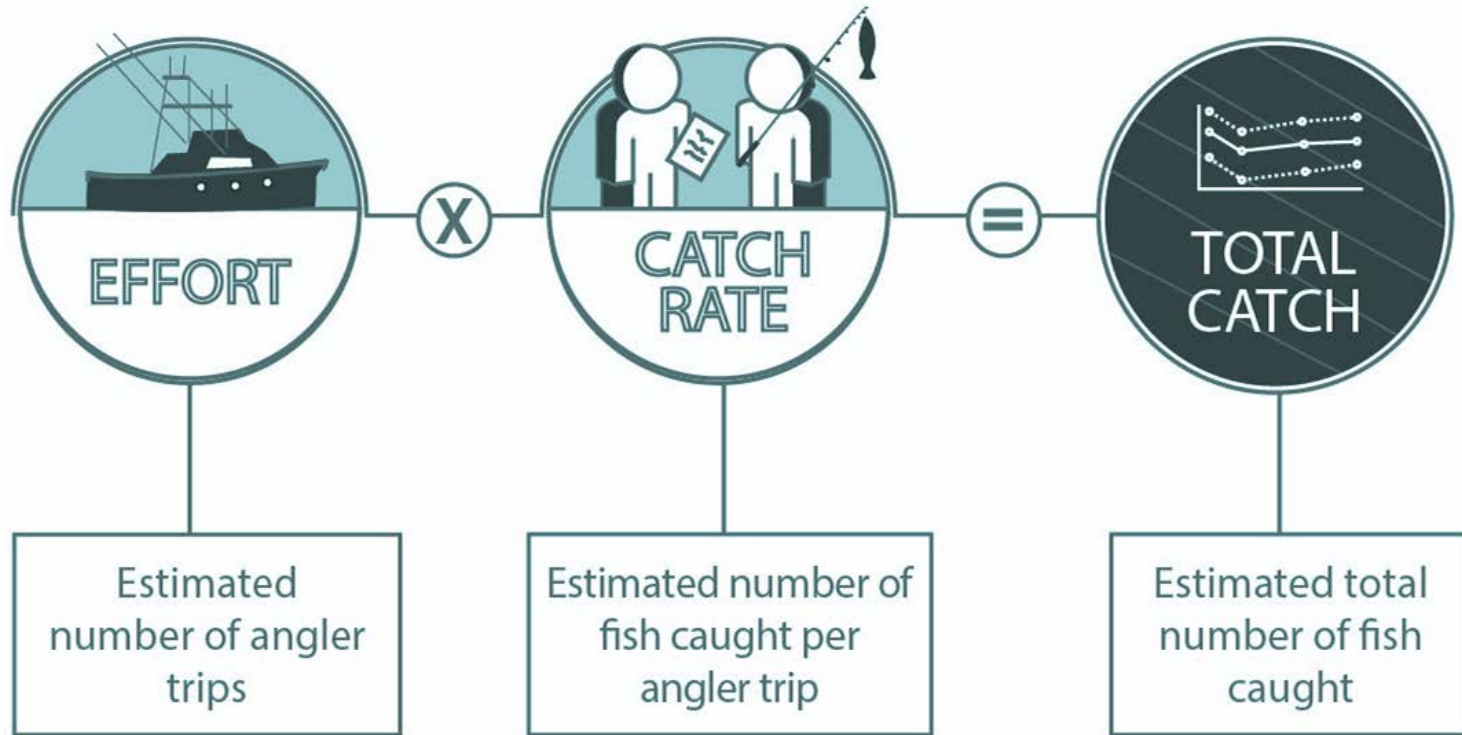
**NOAA
FISHERIES**

Marine Recreational Information Program

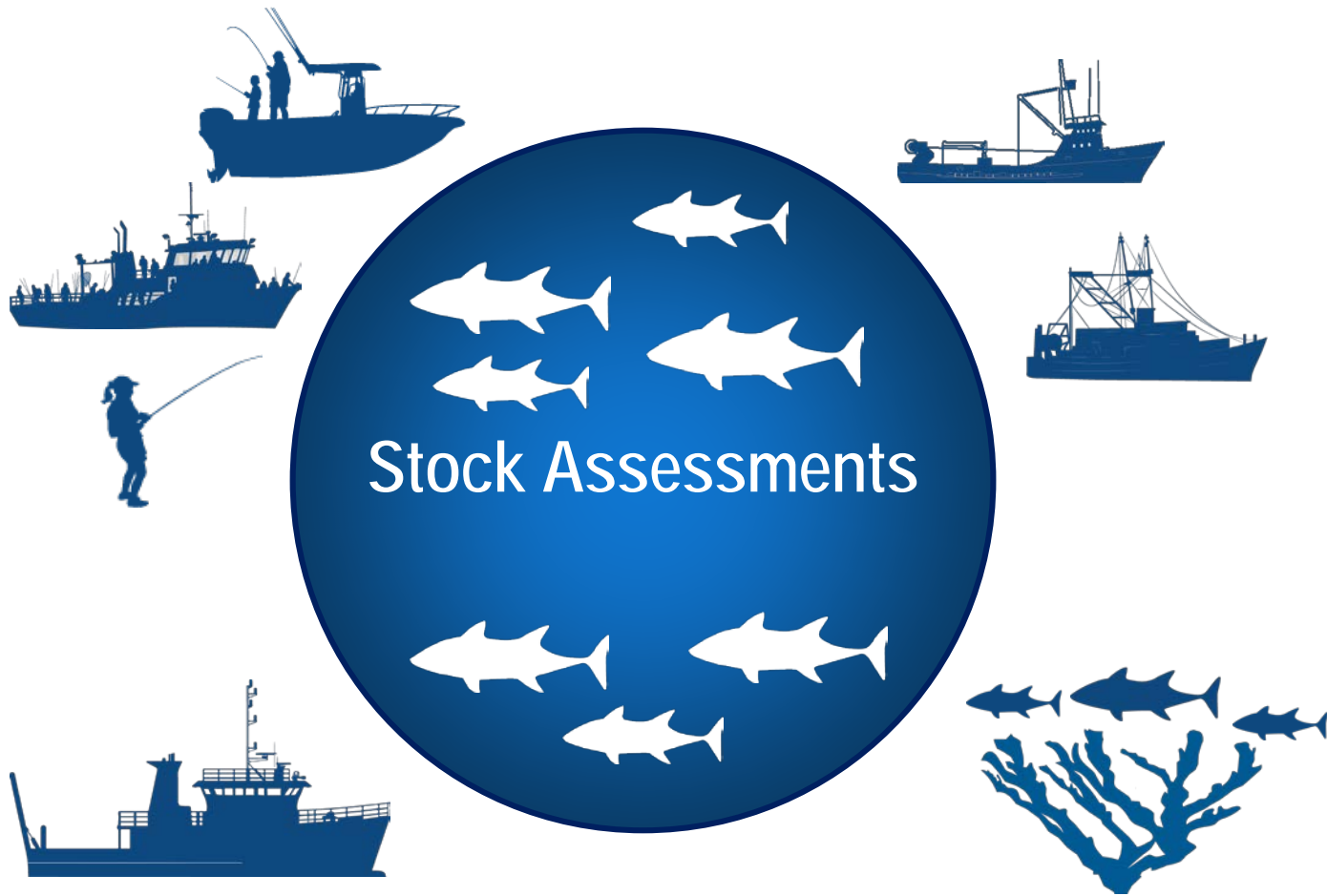
FES Transition Update

Dr. Ned Cyr, Director
Office of Science & Technology

Estimating Total Recreational Catch

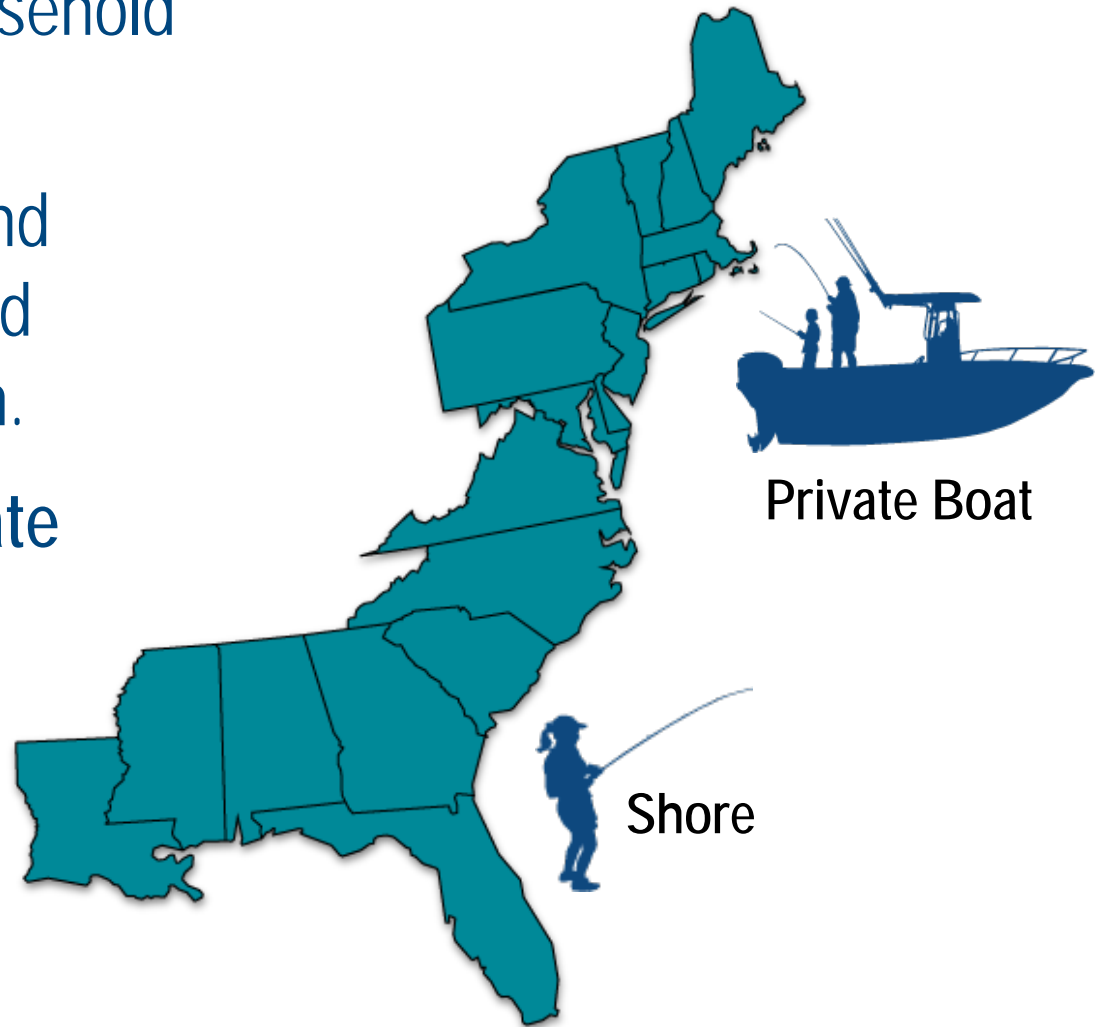


Assessing the Health of Fish Stocks



Fishing Effort Survey

- Replaces Coastal Household Telephone Survey.
- Uses USPS records and state-based license and registration information.
- Provides **more accurate** estimates.



More Accurate Estimates



Improved questionnaire.



We're reaching more anglers.



Surveys get into the right hands.



More complete answers.

3X

Three times the response rate.

Extensive Testing and Peer Review

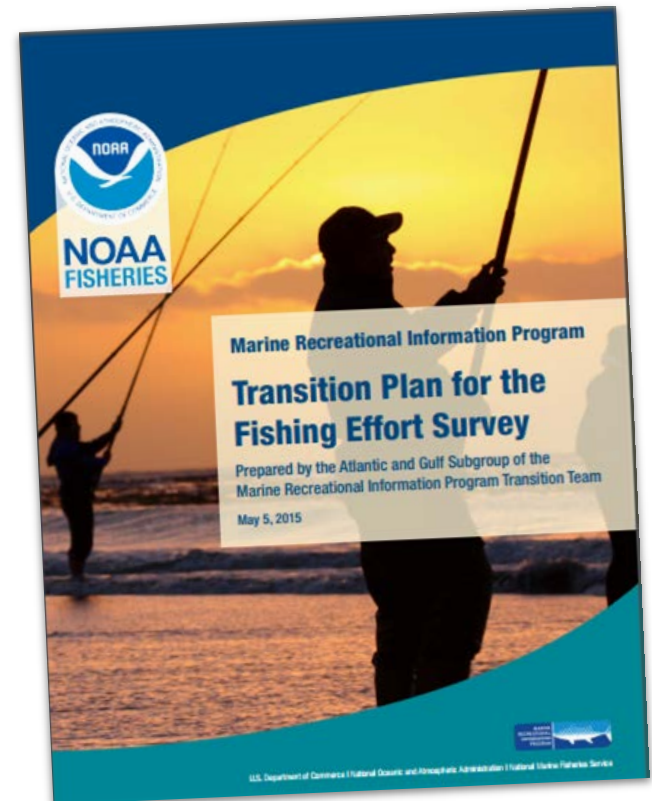
“The [FES] methodologies, including the address-based sampling survey design, are major improvements.”

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

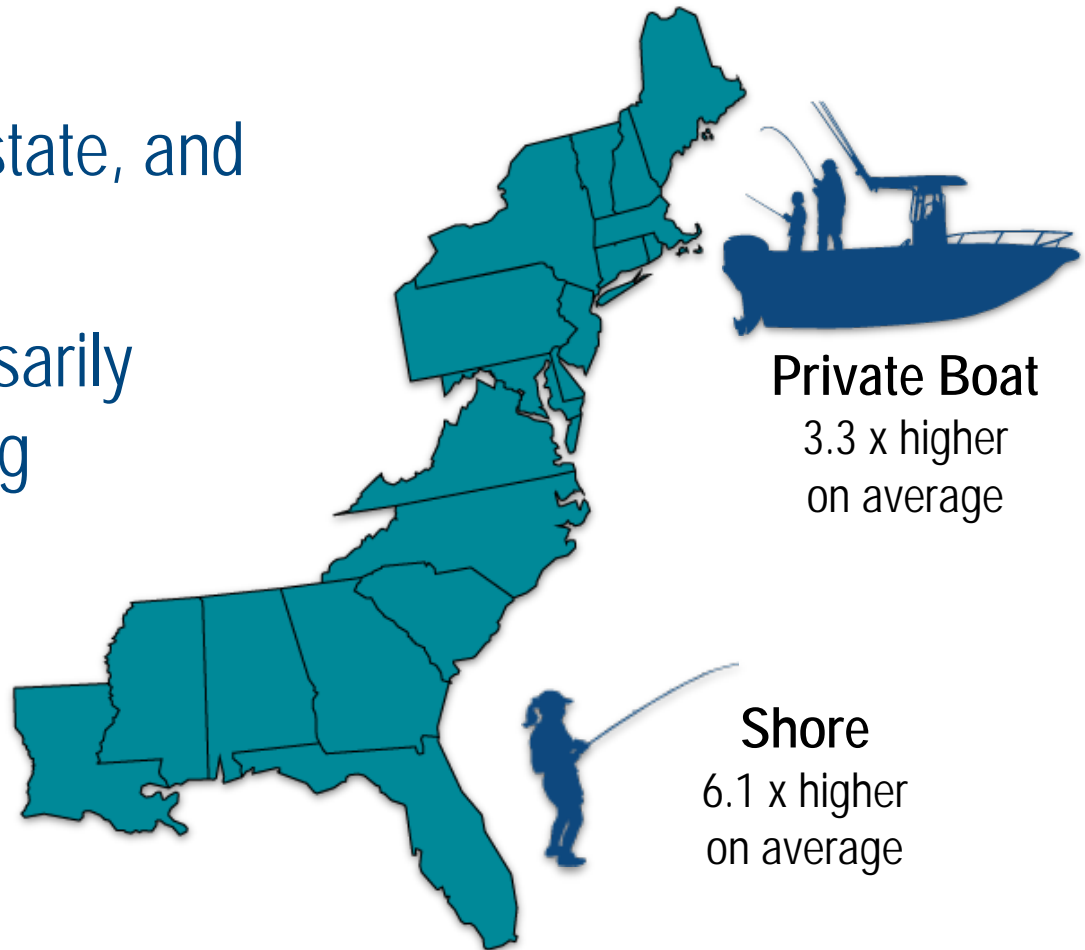
Implementing the FES

- Three-year Transition Plan.
- Developed by NOAA, states, councils, commissions.
 - ✓ Side-by-side benchmarking.
 - ✓ FES calibration model.
 - APAIS adjustments.
 - Re-estimation.
 - Stock assessments.
 - Management decisions.



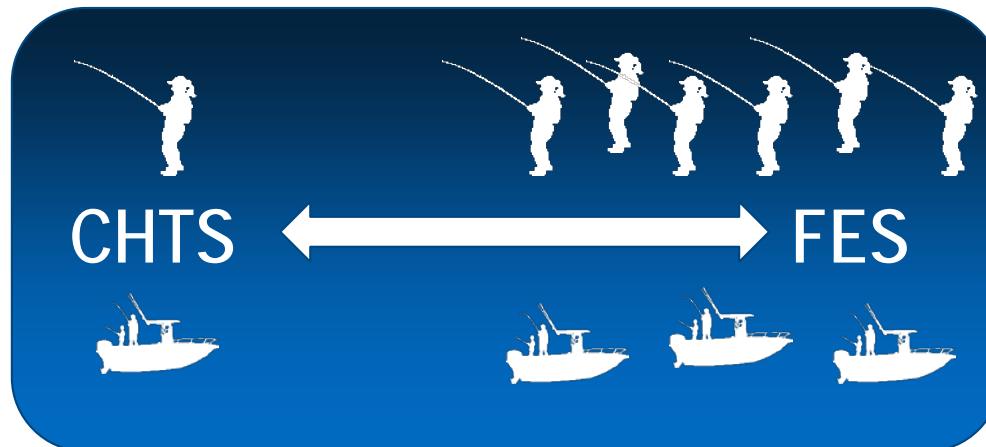
Side-by-Side Benchmarking

- FES estimates are several times higher than CHTS.
 - Vary by mode, state, and wave.
 - Does not necessarily mean overfishing has been or is occurring.



FES Calibration Model

- Developed with independent consultants.
- Peer-reviewed.
- Will create common effort currency for 1981-2017.
- Not indicating a recent increase in effort.
 - Calibrated estimates will be higher back through 1981.



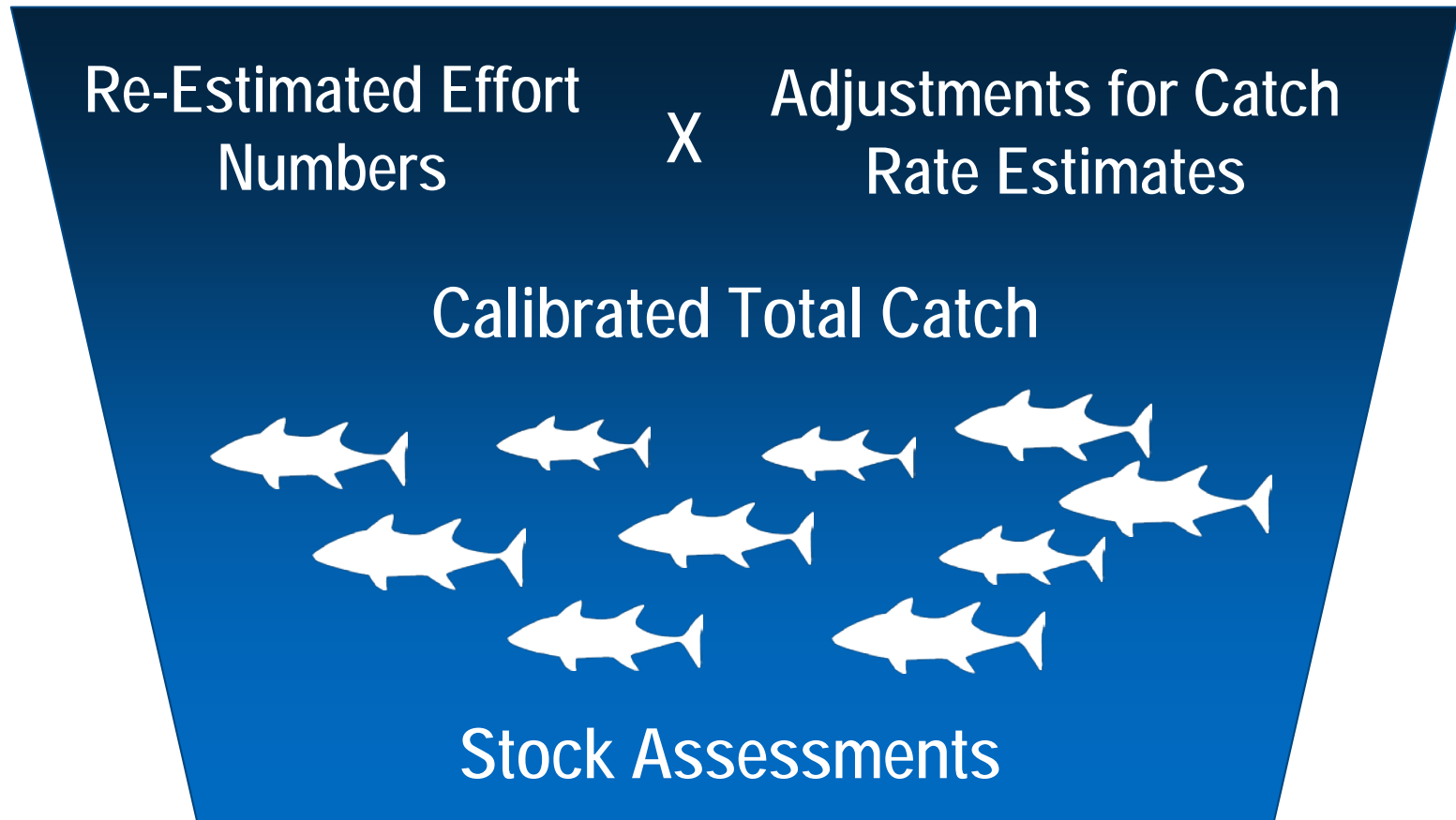
APAIS Adjustment Model

- Developed with independent consultants.
- Peer review workshop March 20-22, 2018.
- Accounts for survey design improvements implemented 2013.



Re-Estimation


- Will be completed July 1, 2018.



FES and Recreational Fishing



2018 Annual Catch Limits



2018 ACLs set using CHTS estimates

FES ↔ CHTS
Calibration model converts both directions



Year-end estimates in same currency

What's Next

2018

- Revised total catch estimates available July 1 for use in planned stock assessments.

2019

- Preliminary management changes may be made for re-assessed stocks.
- Calibrated statistics incorporated into additional stock assessments.

2020

- Based on new stock assessments, management changes could occur for a number of species.



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FISHERIES**

What have you heard?

What do you need?