

A. Atlantic mackerel (NAFO Subareas 3-6)

Terms of Reference to be addressed:

4. Estimate annual fishing mortality, recruitment and stock biomass (both total and spawning stock) for the time series, and estimate their uncertainty. Develop alternative approaches which might also be able to estimate population parameters. Include a comparison of new assessment results with those from previous assessment(s).
5. State the existing stock status definitions for “overfished” and “overfishing”. Then update or redefine biological reference points (BRPs; point estimates or proxies for B_{MSY} , $B_{THRESHOLD}$, F_{MSY} and MSY) and provide estimates of their uncertainty. If analytic model-based estimates are unavailable, consider recommending alternative measurable proxies for BRPs. Comment on the scientific adequacy of existing BRPs and the “new” (i.e., updated, redefined, or alternative) BRPs.
6. Evaluate recommendations for stock status with respect to new modeling results developed for this peer review.
7. Develop approaches and apply them to conduct stock projections.
 - a. Provide numerical annual projections (3 years) and the statistical distribution (e.g., probability density function) of the catch at F_{MSY} or an F_{MSY} proxy (i.e. the overfishing level, OFL) (see Appendix to the SAW TORs). Each projection should estimate and report annual probabilities of exceeding threshold BRPs for F, and probabilities of falling below threshold BRPs for biomass. Use a sensitivity analysis approach in which a range of assumptions about the most important uncertainties in the assessment are considered (e.g., terminal year abundance, variability in recruitment).
 - b. Comment on which projections seem most realistic. Consider the major uncertainties in the assessment as well as sensitivity of the projections to various assumptions. Identify reasonable projection parameters (recruitment, weight-at-age, retrospective adjustments, etc.) to use when setting specifications.

- c. Describe this stock's vulnerability (see "Appendix to the SAW TORs") to becoming overfished, and how this could affect the choice of ABC.
8. Review, evaluate and report on the status of the SARC and Working Group research recommendations listed in most recent peer reviewed assessment and review panel reports. Identify new research recommendations.

Meeting Agenda

Tuesday August 15, 2017 9:00 AM-5:00 PM Clark Conference Room- Woods Hole Lab

Morning

1. Introductions and logistics
2. Approve agenda
3. Review of past model history
4. Quick review of available data
5. Review of general modeling approaches
6. Initial review of ASAP model

Lunch 12:00 – 1:00 pm

Afternoon

1. ASAP model, continued
2. Initial review of Censored Population Model

Wednesday August 16, 2017 8:30 AM – 5:00 PM Clark Conference Room- Woods Hole Lab

Morning

1. Censored Population Model, continued
2. Initial review of SAM model

Lunch 12:00 -1:00 pm

Afternoon

1. SAM model, continued
2. Primary model decision
3. Initial Biological Reference Point discussion

Thursday August 17, 2017 8:30 AM – 4:30 PM Clark Conference Room- Woods Hole Lab

Morning

1. Primary model revisited

Lunch 12:00 – 1:00 pm

Afternoon

1. Biological Reference Point, continued

2. Stock Status recommendations

Friday August 18, 2017 8:30 AM – 4:30 PM Clark Conference Room- Woods Hole Lab

Morning

1. Stock Projections
2. Stock Vulnerability

Lunch 12:00 – 1:00 pm

Afternoon

1. Research Recommendations
2. Review conclusions
3. Assessment Report overview/timeline

Adjourn

Meeting Connection Details

Adobe Connect:

https://noaast.adobeconnect.com/sarc64_mackerel/

Call in:

[866/836-6169](tel:8668366169) (toll free)

[203/566-4221](tel:2035664221) (toll; for international callers)

Participant code: 5443237

Logistics:

Attending the conference in Woods Hole (August 15th- August 18th): Please check in with front desk (you will need a photo ID) for Visitor sign-in, Parking Permit and door code to enter the Aquarium Building (door on side next to Town Dock). Parking is available in NEFSC parking lots or on the street. If you park on the street, you **MUST** deposit money in the meter or you will be ticketed/towed/ and flogged.