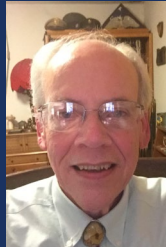


C6 JOINT GROUND FISH PLAN TEAM REPORT

STEVE MACLEAN, OCTOBER 2021

From SSC presentation by Grant Thompson



AGENDA : ACTION ITEMS

- Administrative/Intro/Council updates
- Fishery Ecosystem Plan
- **Electronic Monitoring Workshop**
- Observer Program
- Ecosystem and Socioeconomic Profiles
- Climate Fisheries Initiative
- ESR Climate Update
- Ecosystem Surveys
- **Essential Fish Habitat**
- **Risk Table**
- **VAST Bottom Trawl Survey**
- **Age Composition Estimation**
- **Random Effects – Tier 4/5 Assessment Considerations**
- Economic SAFE
- Sablefish Longline Survey
- **Sablefish Assessment: Growth**
- **Sablefish Assessment: Maturity**
- **Sablefish Assessment: Model**
- **Halibut Discard Mortality**



PT RECOMMENDATIONS: SABLEFISH

- Support all modeling changes, proposed model is an improvement over the current model, anticipate seeing comparisons between proposed and current models in November
- Incorporate updated length and weight at age results resulting from the growth recommendations into the assessment when complete



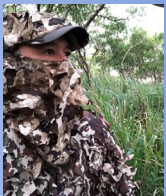
ESSENTIAL FISH HABITAT

- Teams provided several recommendations to the EFH Team
- SSC will review EFH again in February 2022
- Council scheduled to review EFH in June 2022



PT RECOMMENDATIONS: RISK TABLE

- Risk Tables for Tier 4-6 should be optional
 - If no risk table, authors should provide justification
- Selection of indicator species for complexes should be optional for authors
- Eventually reduce to 3 risk levels, aligned with SSC recommendation
 - Delay implantation until after current assessment cycle



ADDITIONAL ACTION ITEMS



PT RECOMMENDATIONS: EM WORKSHOP

- Continue work related to the four recommendations from the workshop with these comments
 - Develop a process for soliciting and delivering feedback from assessment authors
 - An iterative process will likely be needed to determine important metrics for assessment authors' report, and whether they are required for every report



PT RECOMMENDATIONS:VAST

- Altering the proposed research priority list as shown in minutes
- Consider BSAI northern rock sold and Greenland turbot for model-based indices



PT RECOMMENDATIONS: AGE COMPS

- Noted numerous strategies are used to determine input sizes. A method that can be applied across assessments should be investigated.
- Expand analysis to include species in the Bering Sea.
- AFSC initiate development of “best practices” for specifying input sample sizes for compositional data in age-structured models.
- Recommend further work to provide specific sample recommendations to guide survey sampling and age reading efforts and streamlined process.



PT RECOMMENDATIONS:TIER 4/5

- Support WG Plan
 - Create consensus version of RE model code
 - Based on REM
 - Documented and version-controlled online
 - Encourage consistent approach to zeros
 - Explore alternative statistical approaches
 - Note filtering of zeros in assessments
 - Explore methods for grouping multivariate models
 - Explore complex workflows for input variances and M approaches
 - Conduct further test of the lognormal issue



PT RECOMMENDATIONS: HALIBUT DMR

- Approved Halibut DMR Working Group recommendations

