

May 14-15, 2024
Mid-Atlantic SSC Meeting:

OFL CV Guidance Document Updates

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OFL CV Sub-Group - Background

- Tasked with reviewing and suggesting edits to OFL CV guidance document last revised in 2020
- Issues identified in 2023 by SSC
 - Are all 9 factors necessary?
 - Can it be streamlined?
 - How valuable are the interim data updates between setting ABCs?
 - How will new “state space” models affect characterization of uncertainty?
 - Updating when an assessment is delayed?
- Reviewed SSC comments from 2021-2023, previous SSC OFL CV decisions from 2017-2023, and recent research findings

OFL CV Sub-Group - Background

- Sub-group presented initial, draft recommendations to SSC in March
 - 3 primary recommendations:
 - Drop 3 existing criteria
 - Additional language/context regarding current OFL CV bins
 - Criteria tiering approach
 - SSC generally supportive of draft recommendations
 - Suggested additional text, clarification on several topics
 - Potential for dress rehearsal
- Sub-group met April 30 to discuss feedback (SSC and public) and refine guidance document edits

Public concerns included

- Reduced likelihood of using the 60% CV bin. (Lower CVs imply smaller difference between OFL and ABC).
- Need to consider differences in uncertainty among commercial and recreational fisheries.
- Better description of effects of the OFL CV on estimation of ABC and relationship to Council's Risk Policy

Recommendation – 1. OFL CV Bins

- Evaluate the current OFL CV bins (60, 100, 150)
- Review of existing and new analyses looking at stock assessment uncertainty in region, across county, and world
- Empirical and theoretical information suggests 60% OFL CV may be overly optimistic {Olaf and Mike W}

Recommendation – 2. Dropping Criteria

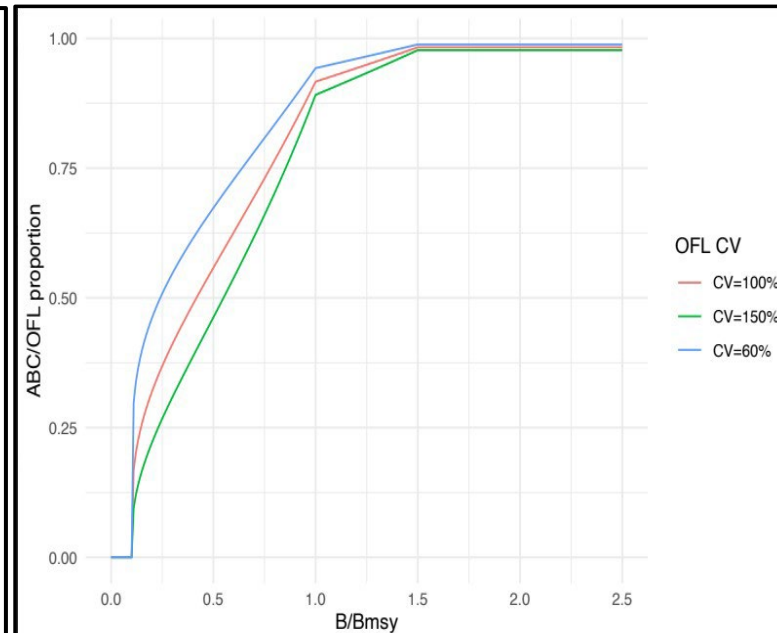
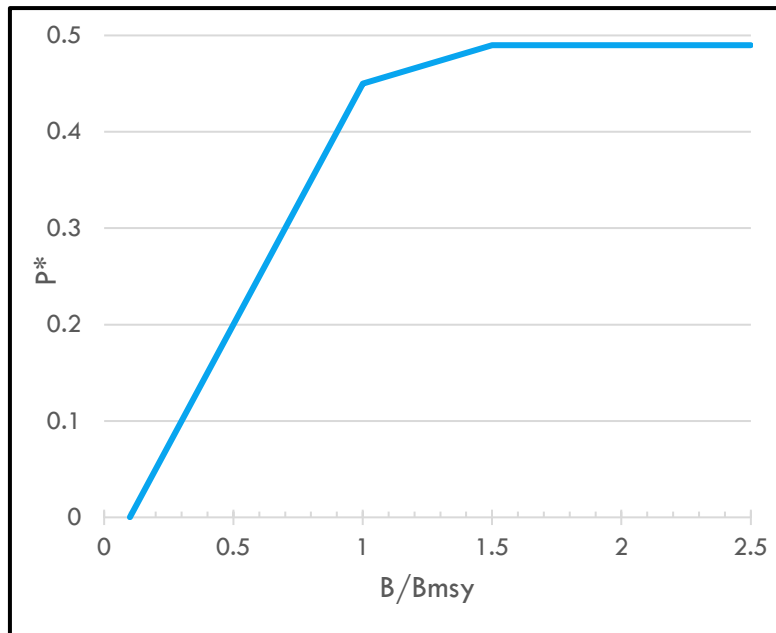
- Reviewed previous SSC comments and application of each criterion in overall application/determination of OFL CV value
- Drop 3 existing criteria for explicit consideration
 - Criterion #7 – Informed by prediction error
 - Outdated analysis. Relies on comparable baseline models; cannot be used when model changes (e.g., ASAP to WHAM) or data time series are revised (e.g., new MRIP). Future project?
 - Criterion #8 – Assessment accuracy under different fishing pressures
 - Confusing to interpret and may create perverse incentives
 - Criterion #9 – Informed by simulation analyses or full MSE
 - Minimally used to by SSC and minimally available to date
- As needed/available, any of these deleted criteria could be considered by SSC within remaining criteria (see example)

Recommendation – 3. Criteria Tiering

- Are there ways to make the process more efficient and streamlined while retaining the deliberative, transparent, and open approach?
- Reviewed existing criteria and application over time –Elegance and sophistication cannot overcome poor data.
- Establish a 2-tiered criteria process
 - Tier 1 – data quality, model appropriateness and identification, and informed by retrospective analysis
 - Tier 2 – estimates informed by comparison with empirical/experimental analyses, informed by ecosystem factors, informed by appropriate stanzas in recruitment
 - Tier 1 criteria evaluated first and would set floor for overall OFL CV value
 - Quantitative scoring still not ready or appropriate for primetime.

Additional Draft Edits

- Provided additional detail, clarifying, and consistent language associated with remaining criteria in description and summary table
- Included new/updated figures and tables



B/Bmsy ratio	ABC with a 60% OFL CV	ABC with a 100% OFL CV	ABC with a 150% OFL CV
≥ 1.50	986.2	979.3	973.2
1.25	959.1	939.3	921.5
1.00	932.7	900.7	872.5
0.75	777.5	685.4	611.0
0.50	627.1	496.2	401.0
0.25	450.1	301.6	209.5
0.10	0.0	0.0	0.0

Scup Draft Worked Example

- Used decision criteria summary table and narrative from July 2023 SSC meeting as an example
- Revised summary table to reflect 2 tier process
 - Showed where relevant information from deleted criteria could still be considered
- Developed new narrative to capture key considerations

Work still to be done by sub-group.....

- Need to continue discussions and develop potential recommendations for “Other Tasks”
 - Short-term ABC projection assumptions
 - ABC review/check-ins
 - Status quo/interim ABC recommendations
- Work on over course of year for potential implementation in 2025

Next Steps

- SSC to review and approve edits to draft guidance document recommendations
 - Provide specific feedback on draft edits for final refinement
 - E.g., thoughts on quantifying retrospective analysis bins
- Council will review and approve SSC recommendations at June Council meeting
- SSC to use new OFL CV process at July meeting when making ABC recommendations. **BE PREPARED!**