NPFC

North Pacific Fisheries Commission

Five-Year Work Plan of the SSC PS

Abstract: The Five-Year Work Plan of the SSC PS has been updated by the SSC PS Chair. Members are invited to review the work plan during the SSC PS10 meeting.

Priority list:

1. Conduct a stock assessment update based on BSSPM analyses
2. Further investigate improvements to the BSSPM
3. Develop an age/size-structured model
4. Develop a list of plausible ranges for biological parameters
5. Develop databases to support age/size-structured models
6. Continue joint CPUE work to incorporate broader spatial and temporal coverage
7. Update the biomass estimate using the existing method (swept area method)
8. Develop spatio-temporal model for the biomass estimate
9. Further refine the catchability coefficient of the Japanese survey and characterize its variance
10. Develop a longer-term roadmap for work related to Pacific saury stock assessment
11. Set biological reference points
12. Support any technical work on MSE under SWG MSE PS
13.

[H] and [M] indicate high and medium priorities. Cells with "TBD" depend on the progress of data preparation and analytical works.

ITEM	2022	2023	2024	2025	2026
Regular update of inputs					
Update & improvement of biomass survey index	Continue regular review [H] of 1) survey plan 2) analytical work 3) any related issues	Continue regular review [H] of 1) survey plan 2) analytical work 3) any related issues including experiments to produce absolute biomass index and additional surveys by other Members to increase coverage	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]
Update & improvement of CPUE indices	Continue review of outcomes of regular update and analytical works [H]	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]
Development of joint CPUE index	Continue review of outcomes of regular update and analytical works [H]	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]
Regular update of the existing SA					
Routine update BSSPM as a benchmark	Continue review of outcomes of regular BSSPM update [H]	Same as on the left [H] [1]	Same as on the left [H] [1]	Same as on the left [H] [1]	Same as on the left [H][1]
Improvement and further investigation of BSSPM	Review any outcomes of improvements, inter alia in light of possible incorporation of environmental information [H]	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]	Same as on the left [H]
Toward age/size-structured models (ASSMs)					
Data inventory (CPUE	Continue update of data	TBD[2]	TBD[2]	TBD[2]	TBD[2]

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and size/age in space and time)	for stock assessment with ASSMs [H]				
Summarizing available information on PS biology	Continue update of information for stock assessment with ASSMs [H]	TBD[2]	TBD[2]	TBD[2]	TBD[2]
Development of models	Finalize models and results of analyses by ASSMs [H]	TBD[2]	TBD[2]	TBD[2]	TBD[2]
Uncertainty in models (possible link with OM grid under MSE)	Finalize the procedure of assessing model uncertainty [H]	TBD[2]	TBD[2]	TBD[2]	TBD[2]
Examination of estimation performance and finalization of models	Finalize simulation works [H]	TBD[2]	TBD[2]	TBD[2]	TBD[2]

[1] As a backup method as well as an underlying assessment method used in a management procedure, it seems sensible to keep this as one of reference assessment models.

[2] These items might be re-structured depending on the progress of preparation of data and biological information as well as the development of models.