Harvest Control Rule Workshop overview

Diana Stram, NPFMC
SSC June 2025

Brief overview of:

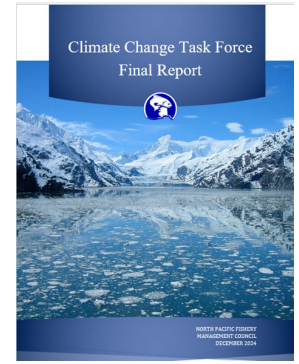
- Climate Change Task Force (CCTF) and Council Climate Workplan
- Overview of groundfish and crab Tier systems and harvest control rules
- Workshop objectives

Climate Change Task Force and Council Climate Workplan

Process for developing a Climate resilience work plan

Dec 2018 Climate Module proposed as part of the EBS FEP
May 2019 Draft climate change action module work plan proposed
May 2019 FEP team meets to discuss draft work plan
Jun 2019 Council approves draft work plan
Aug 2019 Formation of Action Module TF

Climate Scenarios Workshop proposal Reviewed FEP goals and indicators & research priorities



CCTF work plan Adaptation & Resilience definitions

Climate Readiness Synthesis Report

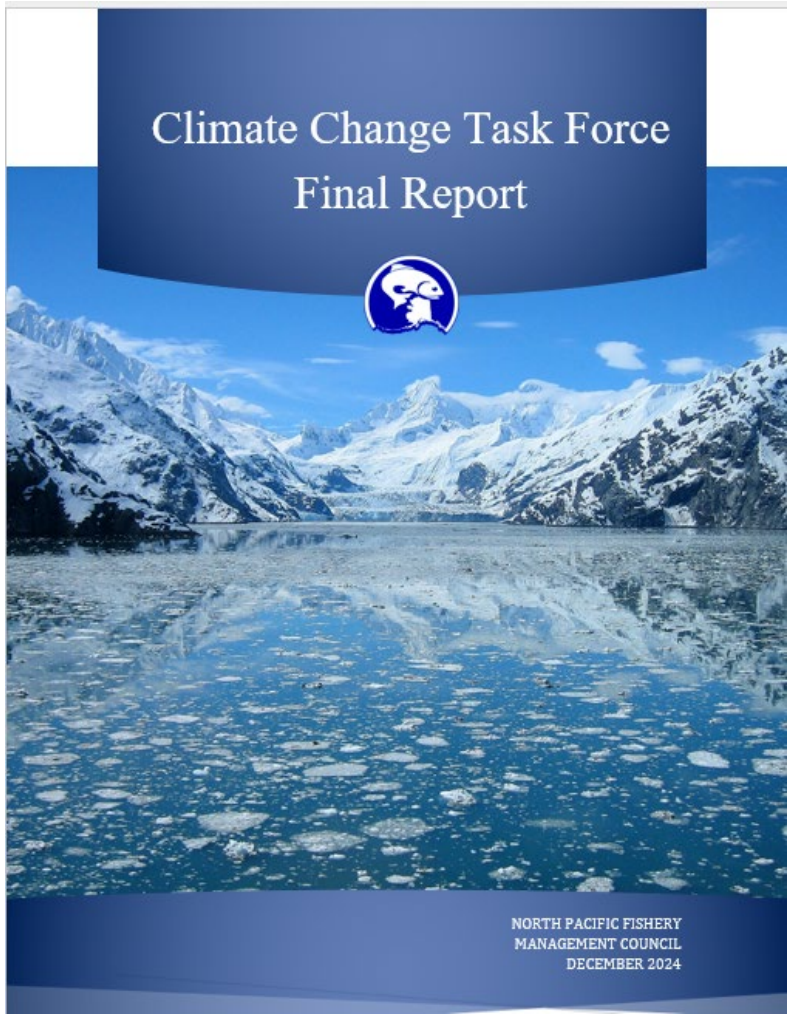
Climate On-ramps

CCTF Final Report

2020 2021 2022 2023 2024

- Council initiates Climate Change Task Force 2019
  - 5 year focus
- CCTF recommendations formed the basis of the Council's Climate work plan December 2024
  - Council previously received reports on Climate Scenarios Workshop (no recommendations) and our SSC's recommendations stemming from SSC National workshop Fall 2024

Final Report and CCTF reccomendations December 2024



Key Element 1

Expand existing & create new inclusive processes, collaborations, & partnerships that facilitate incorporation of multiple knowledge systems into climate planning & response

Key Element 2

Consider management tools & options focused on the inclusion of existing & emergent climate information

Key Element 3

Establish a dedicated review group charged with reviewing & packaging climate information entering Council processes

Climate Change Work Plan

To best advance the Council's goals related to climate readiness, the Climate Change Task Force recommends that a work plan be developed to advance resilience in the face of rapid change. The work plan should be crafted inclusively through engagement with the public using best practices identified by the CEC and LKTK Task Force.

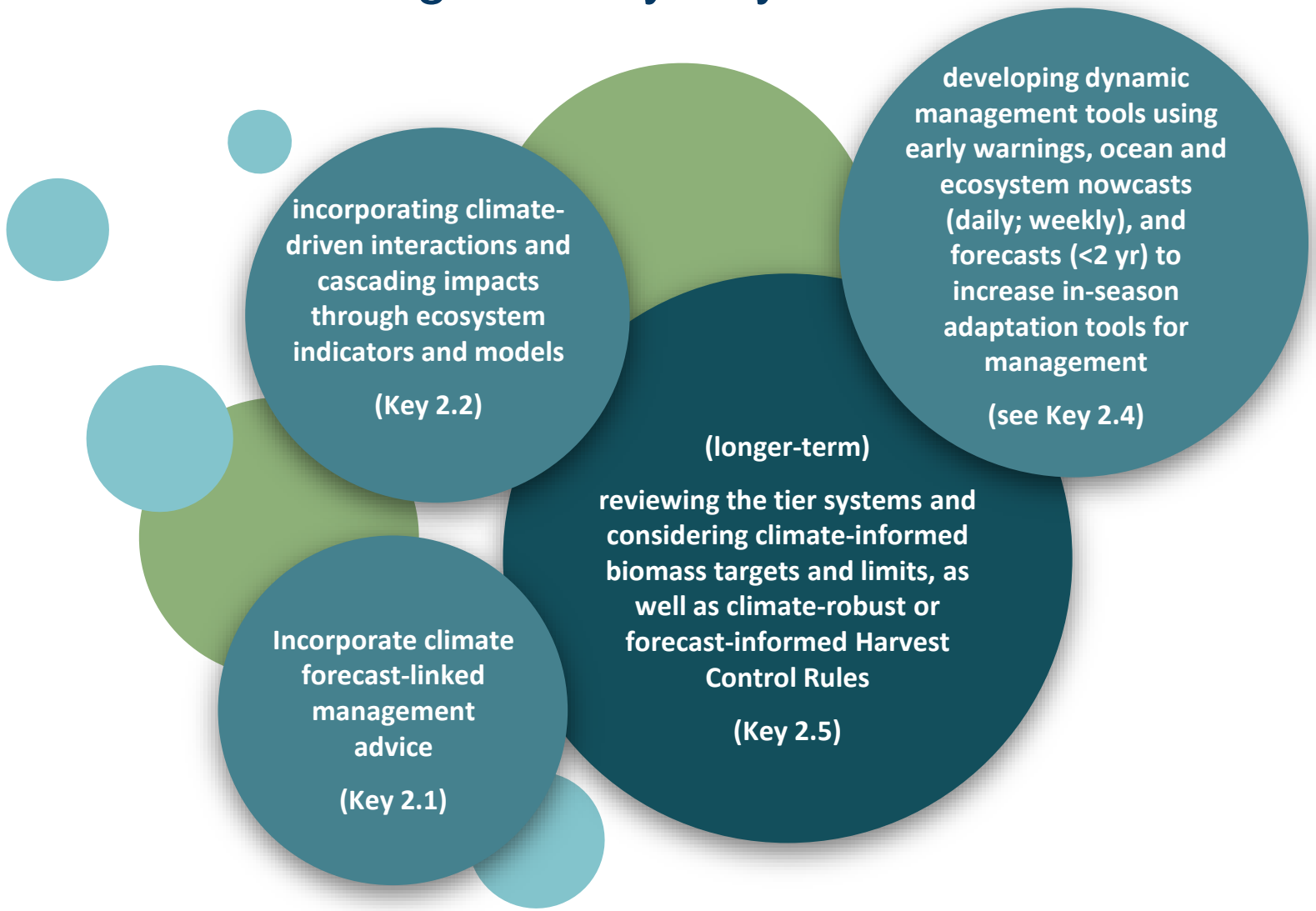
https://www.npfmc.org/wp-content/uploads/Climate-Change-Task-Force-final-report-_Feb2025.pdf

Key Element 2

Consider management tools & options focused on the inclusion of existing & emergent climate information

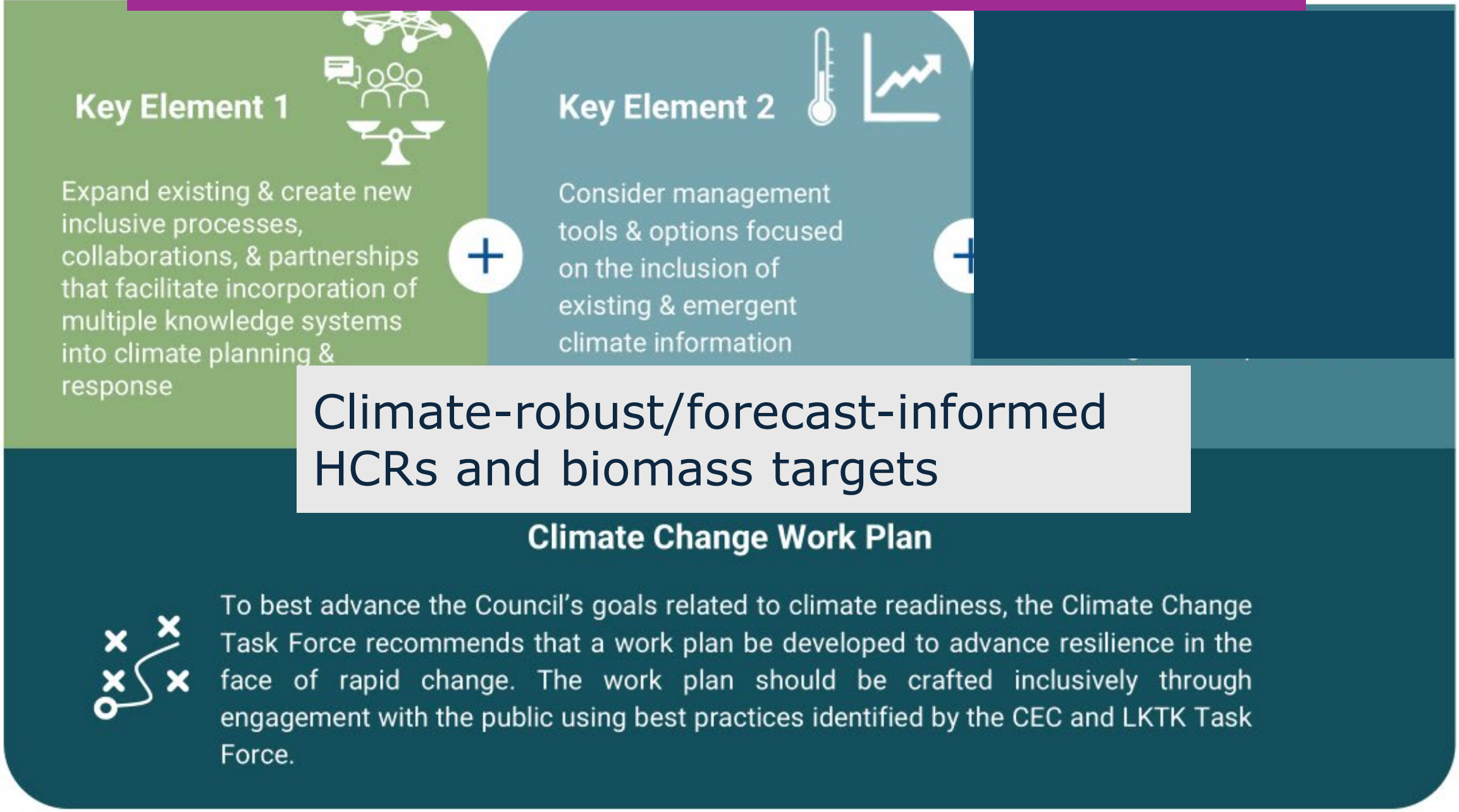
The CCTF recommends a work plan that initiates both implementation of near-term priorities and start processes to explore the longer-term priorities

High Priority Key Elements



10 Key elements identified, 4 prioritized

Council Action December 2024 to adopt a Climate Workplan



Council Action December 2024 to adopt a Climate Workplan

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Key Element 3 to be addressed through Council Ecosystem Committee

Climate Change W

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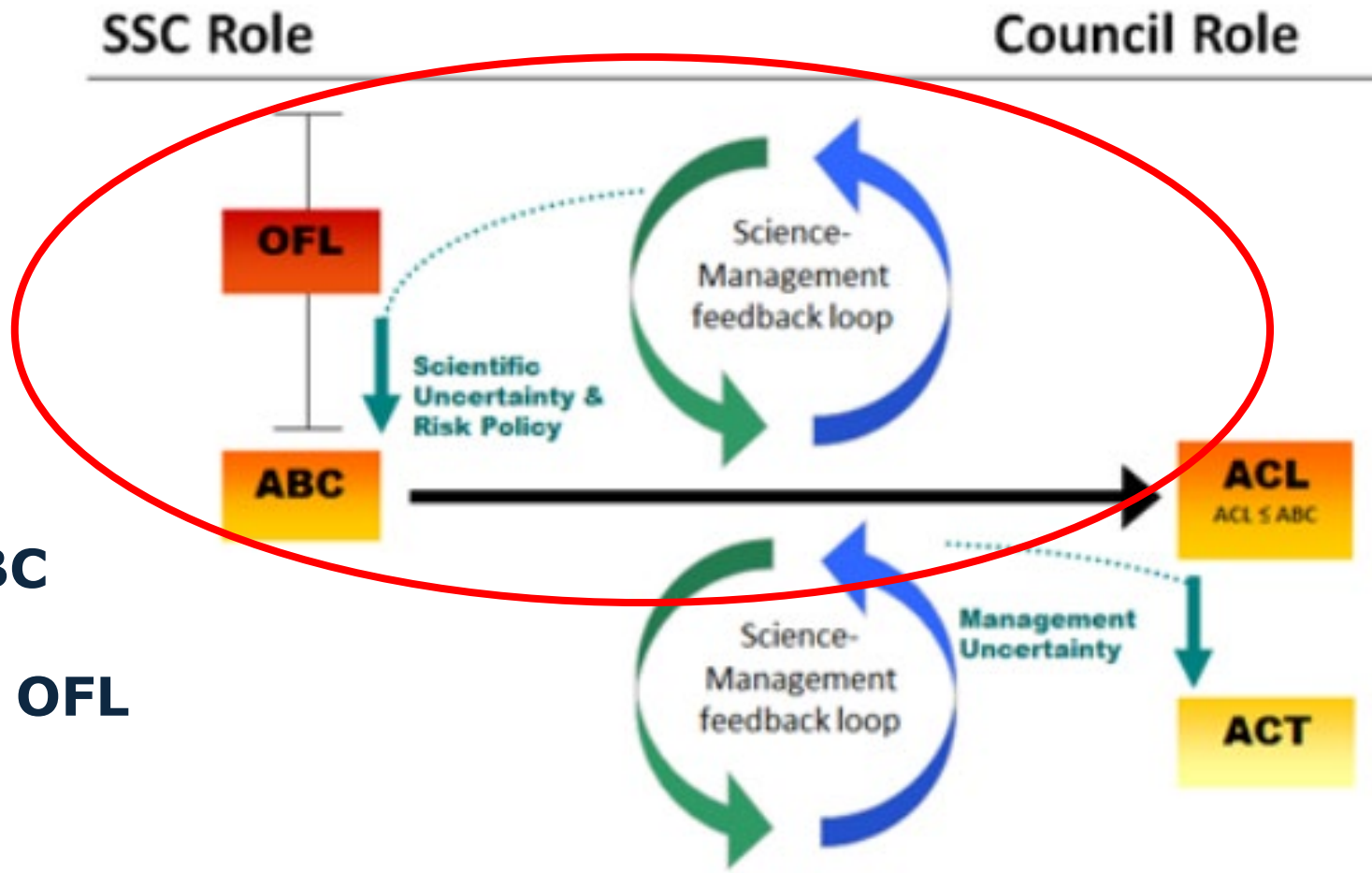
SSC Workshop on Harvest Control Rules

Considerations on revising harvest control rules to be more climate resilient

- Identify available flexibility and/or lack thereof in current groundfish and crab tier systems [paper posted to eAgenda]
- Identify recent issues by stock with the application of current system [periodic discussions by Plan Teams and SSC; April 2025 discussion on risk table application]
- Compile existing literature and ACLIM/GOACLIM results to help inform sensitivity of stocks to HCR shapes compared with biological reference points and/or fishing rate modifications
  - Council would need to weigh in on policy objectives (including risk tolerance) in modification of HCRs or reference levels

NPFMC ACL=ABC

For Crab ABC = OFL



Related roles of the regional fishery management councils and their Scientific and Statistical Committees in translating scientific information into recommendations for annual catch limits.

OFL – Overfishing limit
ABC – Acceptable biological catch

ACL – Annual catch limit
ACT – Annual catch target

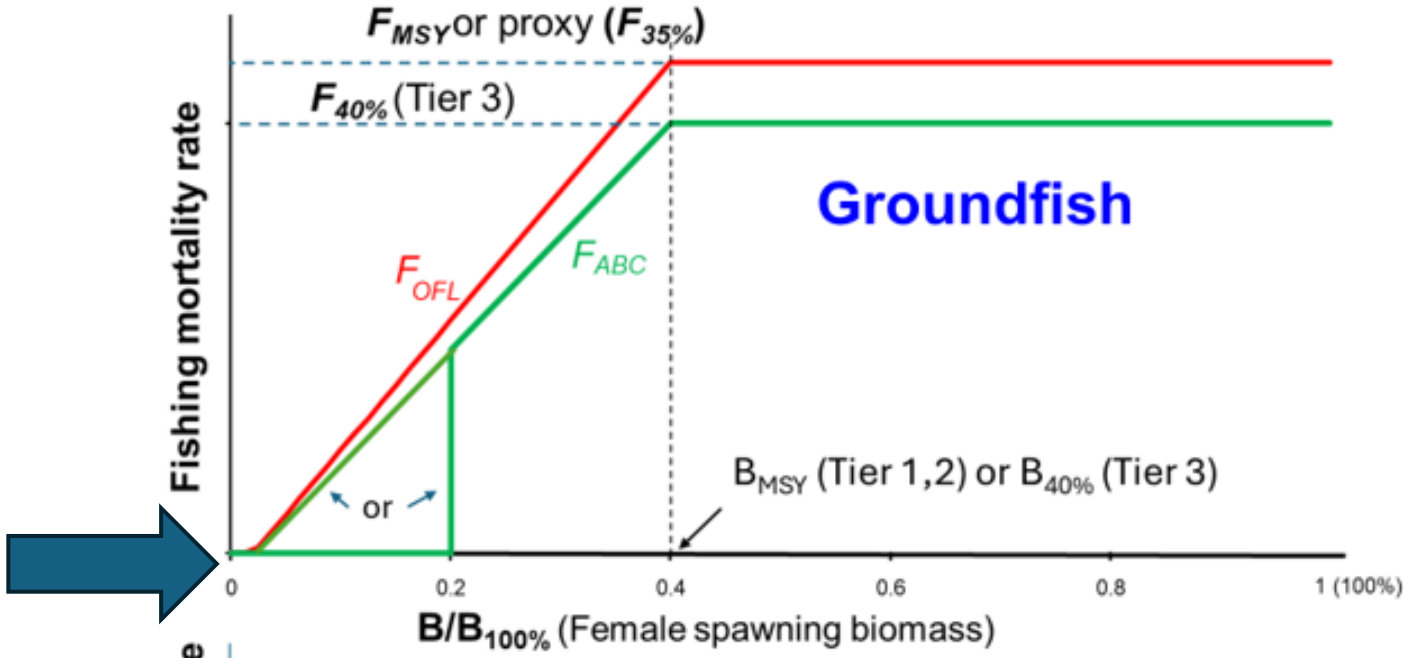
Risk Policy (ABC setting)

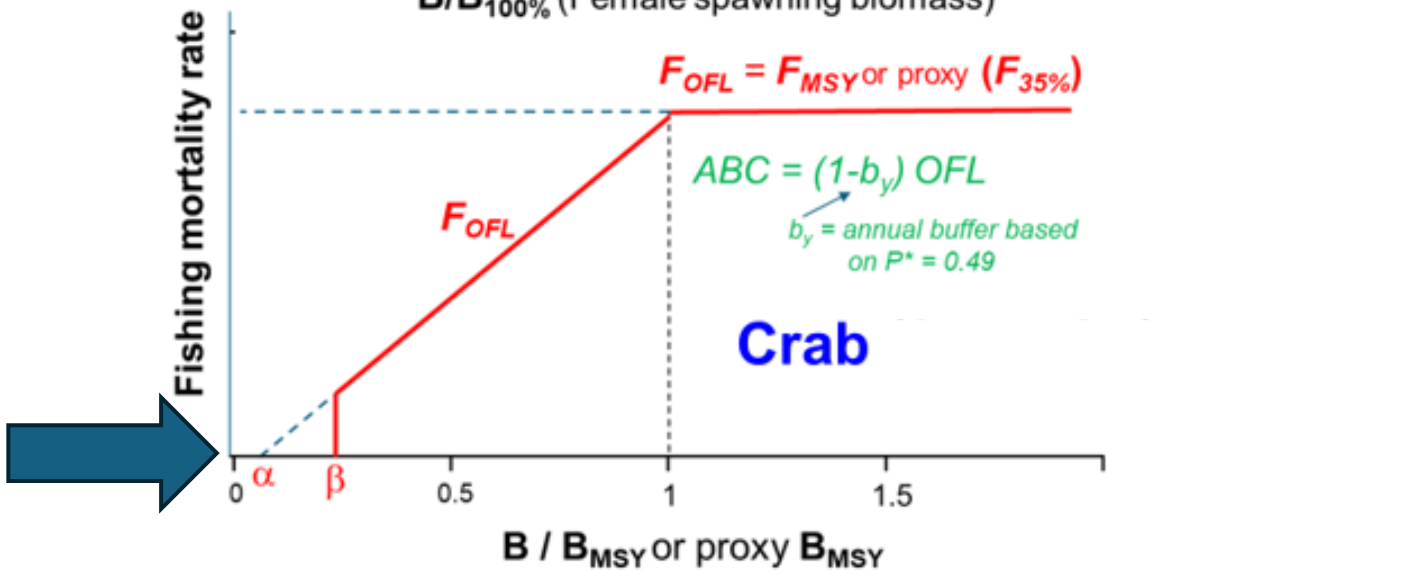
For Crab defined during Amd 36 for ABC control rule (P* =0.49)

- Risk policy that ABC = OFL.
  - But practically speaking never used → annually varying buffers
- Should risk policy be reconsidered in light of CPT discussion of buffers and annually varying ABCs?

For groundfish: risk tables and periodic ABC<maxABC

- Risk policy by Council in maxABC HCR superseded by periodic adjustments below maxABC
- Should we consider future revisions to HCRs to be more transparent in adjustments?





Inherent flexibility in ABC Control rule (not OFL)

Workshop objectives and format

Overarching goal:

Develop a scope of work and Terms of Reference to prepare a discussion paper of proposed HCR adjustments for consideration/recommendations by the Plan Teams/SSC/AP/Council

First step = bridge (plan of work) between risk table adjustments and quantitative analysis

HCR Workshop Schedule

8am-12pm June 4

Session 1:

2. Overview of workshop goals and objectives, current groundfish and crab Tiers, and harvest control rules and their potential flexibility under the Council's fishery management plans (FMPs) *(Diana Stram)*
3. Update on HCR considerations and simulations to date, based on ACLIM/GOACLIM work and related analyses *(Kirstin Holsman/Anne Hollowed)*
4. Questions and panel discussion on Session 1

Session 2:

5. Invited issue-specific 'lightning talks' (note titles may change)
    a. MOM6 projections for Bering Sea: *Kelly Kearney (AFSC)*
    b. Application of HCRs under snow crab population decline: *Cody Szuwalski (AFSC)*
    c. Stock recruitment influence on HCRs: *Paul Spencer (AFSC)*
    d. Determining productivity related to EBS Pollock: *Jim Ianelli (AFSC)*
    e. Pacific Sardine HCR: *Chris Free (UCSB)*
6. Questions and panel discussion on Session 2

Session 3:

7. Cap discussion
    a. GOACLIM 2 modeling tools for exploring HCRs: *Carey McGilliard (AFSC)*
    b. Overview of analyzing OY cap in GOA: *Alberto Rovellini (UW)*
    c. Methodology on TAC modeling to explore cap alternatives: *Alberto Rovellini (UW) and Jim Ianelli (AFSC)*
8. Questions and panel discussion on Session 3

Public comment session

9. Public comment on all sessions

Next steps

10. SSC-only discussion: recommendations on a workplan and terms of reference

Thank You!