NOAA Fisheries Science Center -2022 Field Season Closeout and 2023 Preview

Robert Foy, Alaska Fisheries Science Center October 2022



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Outline

- Look back at 2022 Field Season
- Preview of 2023
 - Planned surveys
 - Fiscal Outlook
 - Operations Challenges
 - Resiliency and Adaptation

Safety

Chinook

BIR SAN

Coho

2022 Surveys

Research Briefs for AFSC Surveys



f of Alaska Fish 8		2011									2020	2021	202
GOA BT vessel 1	2010	2011	2012	2013	2014	2013	2010	2017	2018	2015	2020	2021	202
vessel 2													L
vessel 3													
Deep shelf and slope groundfish longline												Т	
Winter Acoustic-Trawl Shumagin/Sanak													
Winter Acoustic-Trawl Bogoslof													
Winter Acoustic-Trawl PWS/Kenai													
Winter Acoustic-Trawl Shelikof													
Summer Acoustic-Trawl GOA													
Spring GOA Ichthyoplankton												4	
Summer GOA Age-0													
Kodiak Pacific cod nursery habitat													
Large-Scale GOA Pacific cod nursery habitat													
GulfWatch oceanography&forage fish													



Bering Sea Fish & Ecosystem Surveys

0		5											
<u>Survey</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
Eastern Bering Sea vessel 1													
vessel 2									• F	lectangul	ar Snip		
Summer Acoustic-Trawl EBS											Drone		
Bering Sea Slope													
Northern Bering Sea vessel 1													
vessel 2													
Deep shelf/slope groundfish longline													
Spring EBS Ichthyoplankton													
Summer EBS Age-0 (Inc. BASIS)													
Spring EBS Ecosystem/Moorings													
Northern Bering Sea juvenile <mark>f</mark> ish													
Fall NBS ECO-Foci/DBO													

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Aleutian Islands Fish Surveys

Aleutian Island vessel 1						
Aleutian Island vessel 2						
Deep shelf and slope groundfish longline						



FY23 Preview

- Arctic 2024
- IRA Funding
- NOAA Vessel Usage
- Uncertainty in operations impacts under CR vs Budget
- Anticipated 2023 surveys
- What we are doing to build resilience







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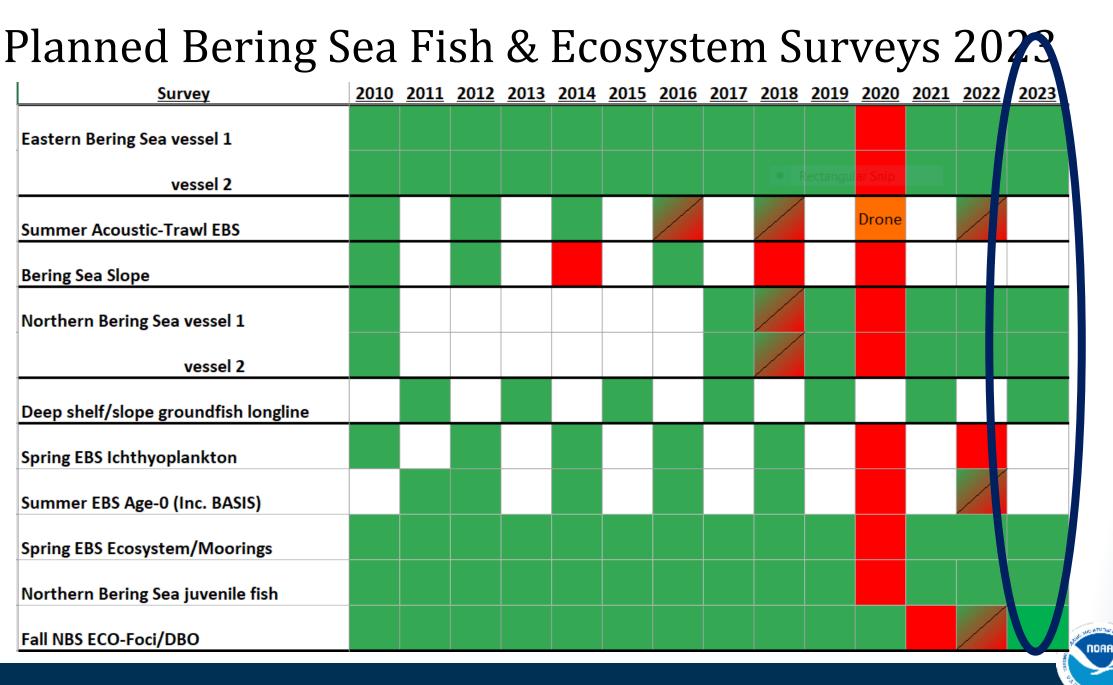
NOAA

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Planned Gulf of Alaska Fish & Ecosystem Surveys 2023

Survey	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
GOA BT vessel 1														
vessel 2														
vessel 3														• Re
Deep shelf and slope groundfish longline														
Winter Acoustic-Trawl Shumagin/Sanak														
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Planned Aleutian Islands Fish Surveys 2023

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Survey	2010	2011	2012	<u>2013</u>	2014	<u>2015</u>	2016	2017	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	202	<u>2023</u>
Aleutian Island vessel 1														
Aleutian Island vessel 2														
Deep shelf and slope groundfish longline														
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Building Resilience



Plan and Predict for Resilience

The Alaska Climate Integrated Modeling

project

Climate

Initiative

Ecosystems Fisheries

Can we manage for 5-10 years in advance instead of 1-2 years?



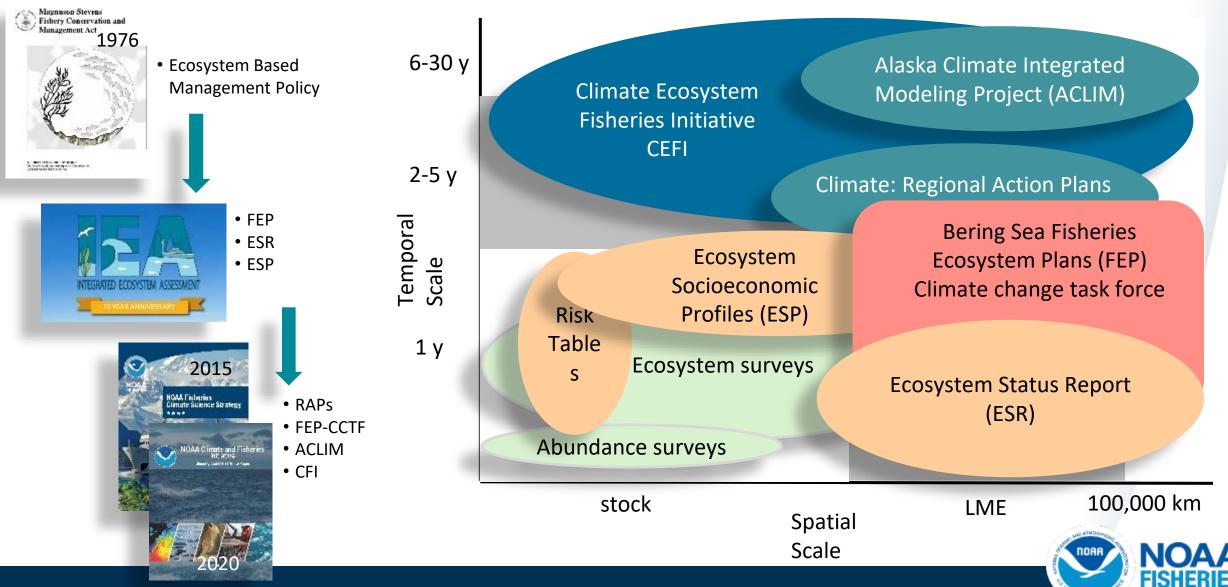
Incorporate innovative data

• NOAA Fisheries' Next Generation Data Acquisition Plan (10-15 year outlook).



EM Innovation

Alaska - Climate Informed Science for Management



Improve equity in science and management tools

Annual Community Engagement and Participation Overview

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Science Program

An annual report focusing on sustained participation of those fishing communities substantially dependent



Gulf of Alaska Climate Integrated Modeling Socioeconomics





Social Vulnerability Indicators

Deep dive into Highly Engaged communities and their participation in FMP groundfish fisheries.

Integrated Ecosystem Assessments (IEAs)