



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE



NOAA
FISHERIES

Goal Testing & Recovery Strategies

Turning the Dials

Columbia Basin Partnership Task Force
June 2019


MAFAC CBP TASK FORCE


Abundance

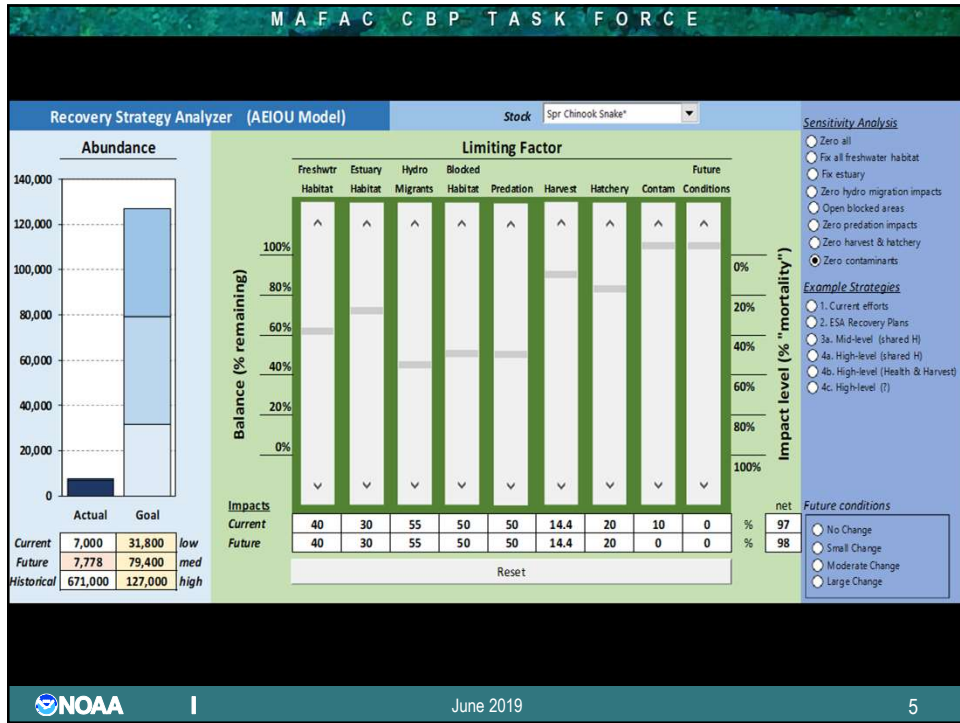


Stream Habitat Estuary Habitat Hydro Fishery Hatchery Predation Climate

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MAFAC CBP TASK FORCE	
<h2>Biological Analyses</h2>	
Impacts	What factors are responsible for each stock's decline?
Coarse Scale	What combinations of improvements achieve the goals?
Fine Scale	What is the scope for improvement in each factor?
Roll-up	How do all the changes add up looking across the stocks?
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MAFAC CBP TASK FORCE	
<h2>Today's Topics</h2>	
<ol style="list-style-type: none"> 1. Introduce Salmon Slider Approach 2. Identify Prototype Stocks 3. Define Factor-Specific Impacts 4. Identify Example Strategies 	
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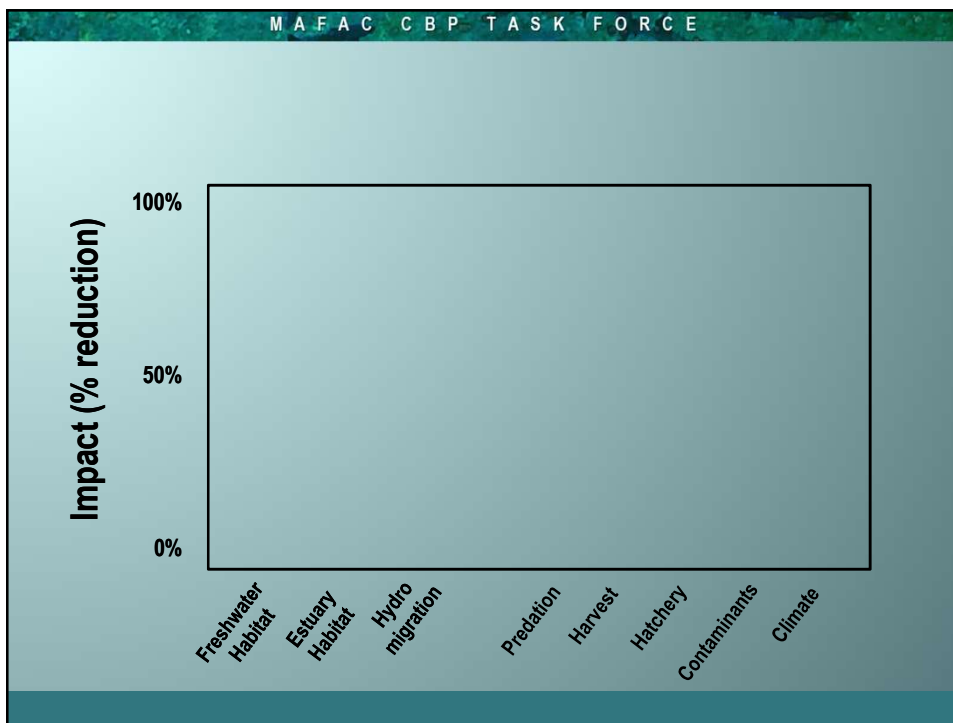
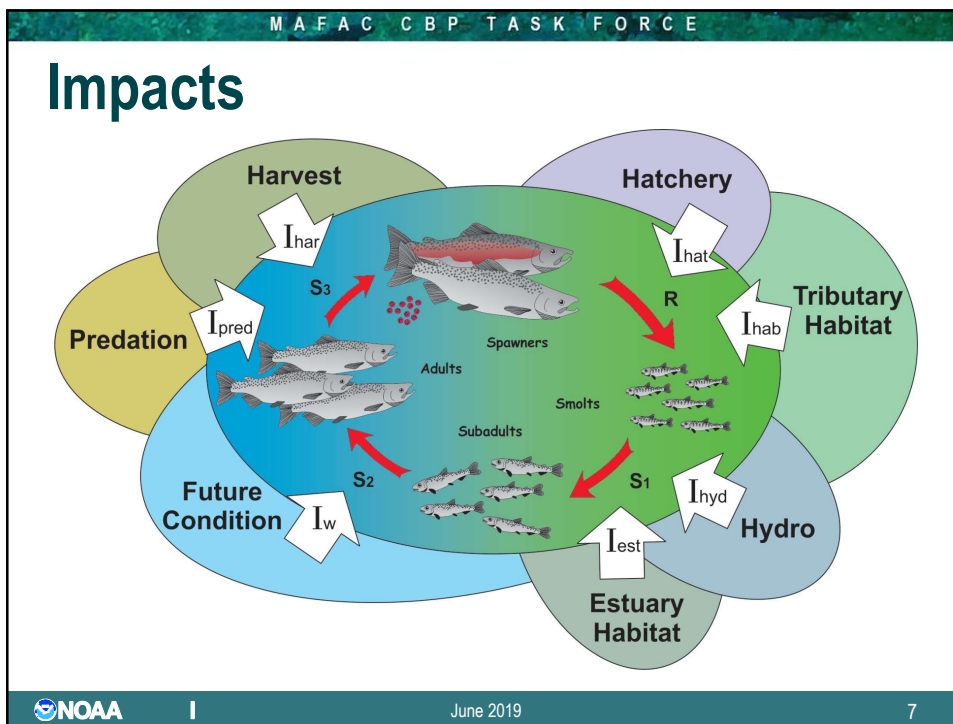


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Prototype Stocks

	L Col	M Col	U Col	Snake	Willam
Spring Chinook	X	X	X	X	X
Summer Chinook			X		
Fall Chinook (tule)	X				
Fall Chinook (brite)	X	X	X	X	
Chum	X				
Coho	X		X		
Sockeye		X	X	X	
Summer Steelhead	X	X	X	X	
Winter Steelhead	XX				X

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Impact Estimates

	Habitat	Estuary	Hydro Migration	Blockage	Predation	Harvest	Hatchery	Contaminants
Coho – L Col	X% (± X%)							
Steelhead – Mid Col								
Fall Chinook – U Col								
Sockeye – U Col								
Spring Chinook - Snake								
...								

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Freshwater Habitat

Estuary Habitat

Hydro Migration

Blocked habitat

Predation

Harvest

Hatchery

Contaminants

Climate

Impact definition

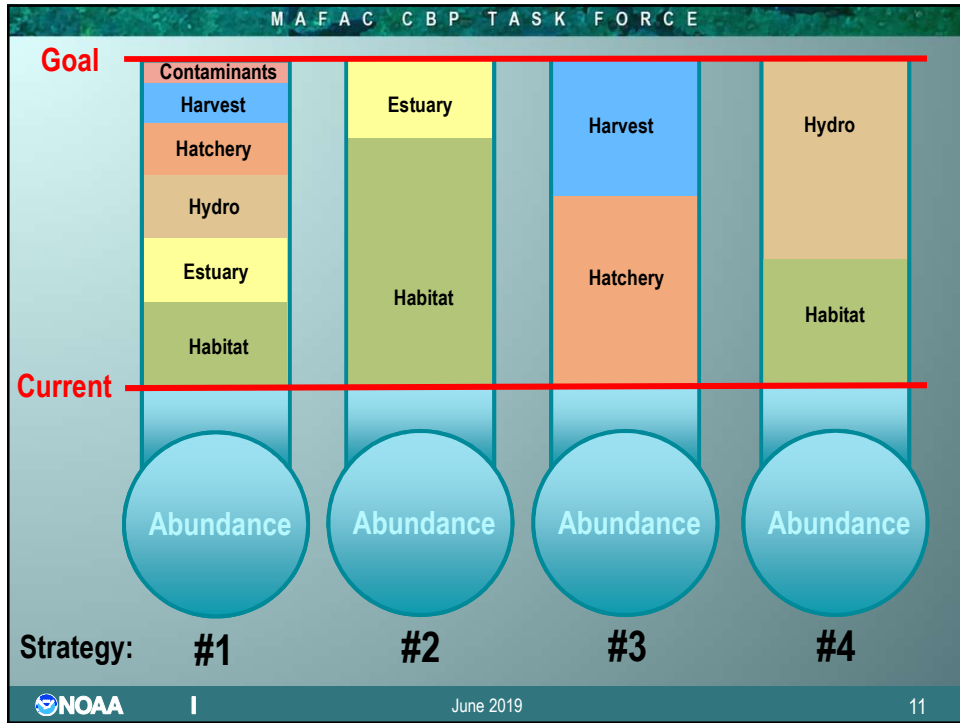
Basis for estimates

Uncertainties

Preliminary estimates

Related actions

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Technical Team Report-Out / Feedback

- Heuristic Utility
- Complex Truths
- Ambitious
- Documentation/Qualification
- Incorporation of Climate Change
- Shared Impacts Among Stocks

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