Oral Report to the Alaska Board of Fisheries



Review of Salmon Escapement Goals in Upper Cook Inlet



By

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and

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RC₅

Oral Report: Tab 1

Written Report: RC 4, Tab 1

Presentation Objectives

- Introduce escapement goal policies
- Explain review process
- Review existing escapement goals
- Describe general methods
- Highlight key stocks
- Summarize results for all goals with indepth description for those that changed

Escapement Goal Policies

 Policy for the Management of Sustainable Salmon Fisheries (SSFP; 5 AAC 39.222)

 Policy for Statewide Salmon Escapement Goals (5 AAC 39.223)

 Adopted to ensure salmon stocks are conserved, managed, and developed using the sustained yield principle

Two important terms defined in the SSFP:

biological escapement goal (BEG):

 "escapement that provides the greatest potential for maximum sustained yield"

 "expressed as a range based on factors such as salmon stock productivity and data uncertainty"

sustainable escapement goal (SEG):

 "a level of escapement, indicated by an index or an escapement estimate, that is known to provide for sustained yield over a 5 to 10 year period, used in situations where a BEG cannot be estimated or managed for"

 "will take into account data uncertainty and be stated as either a "SEG range" or "lower bound SEG"

Approach and Process for Review Team

- Three-year interval
- Review available information for stocks
- Determine appropriate goal type and methods
- Perform analysis, assess goal range, review by team
- Develop draft recommendations for directors of divisions of Commercial Fisheries and Sport Fish
- Write report and present to board
- Post-meeting memo signed by directors

Existing UCI Escapement Goals

King salmon: 21 stocks

Alexander, Campbell, Clear, Crooked, Goose, Lake, Little Willow, Montana, Peters, Prairie, Sheep, and Willow creeks; and Chuitna, Chulitna, Deshka, Kenai (early and late run), Lewis, Little Susitna, Talachulitna, and Theodore rivers

Chum salmon: 1 stock

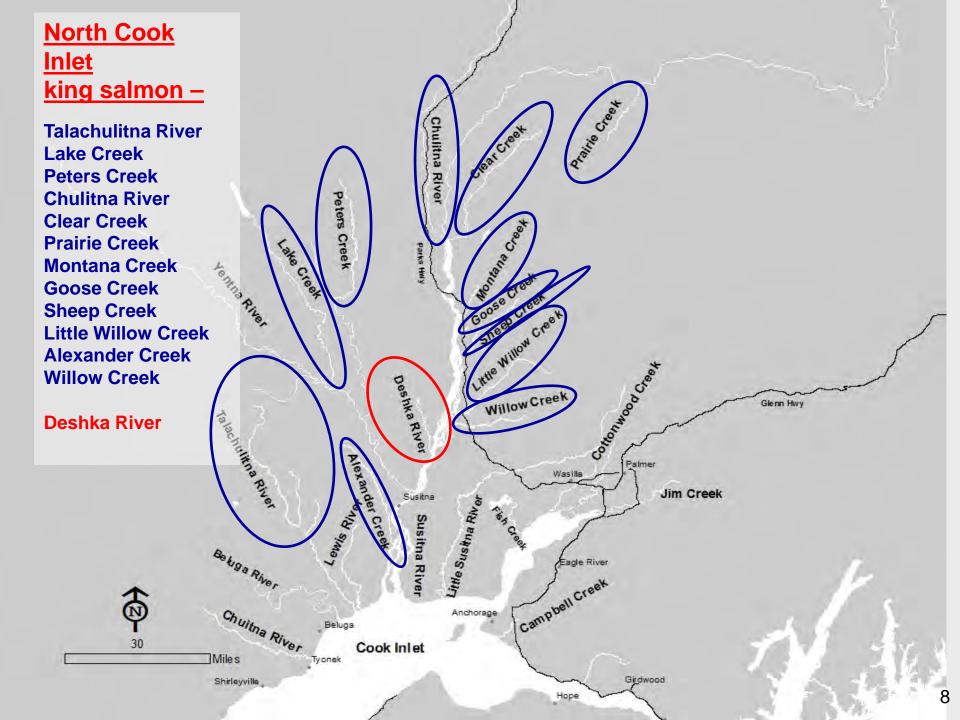
Clearwater Creek

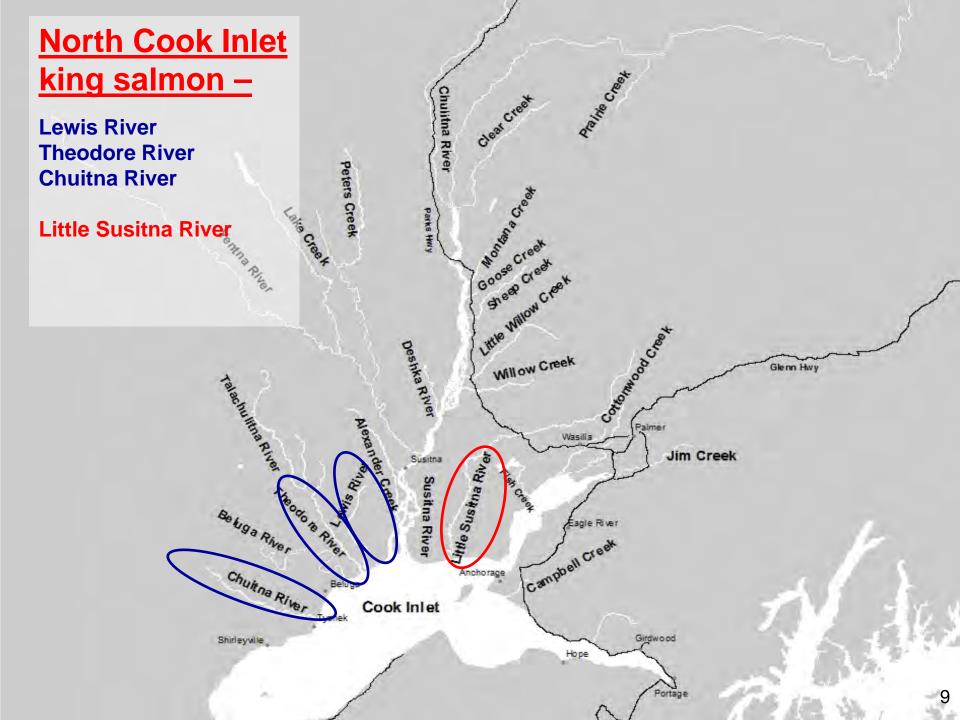
Coho salmon: 3 stocks

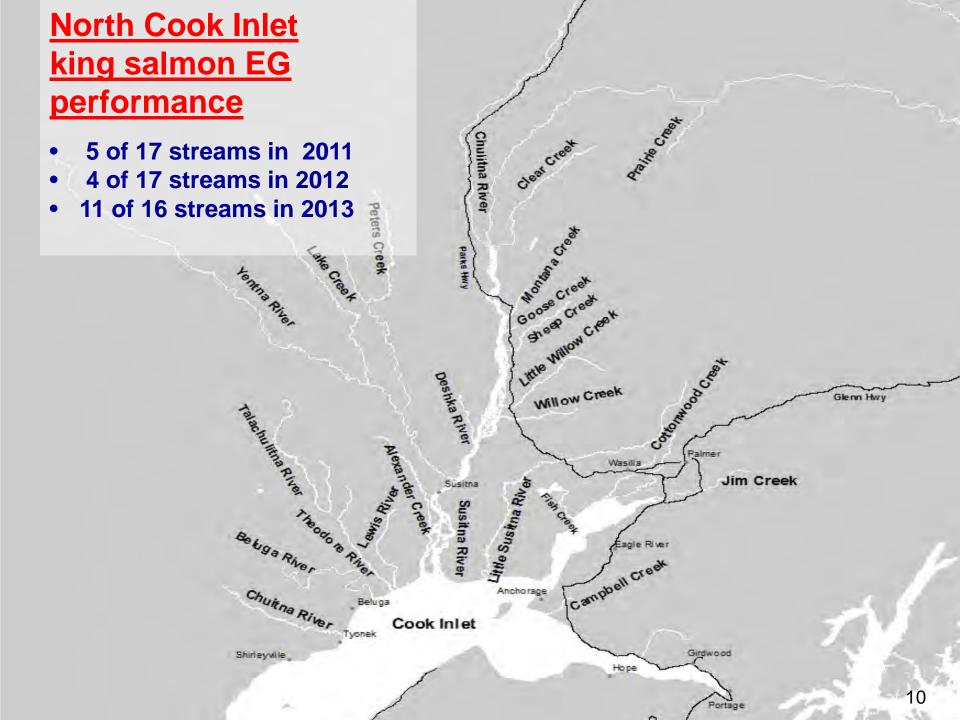
Fish and Jim creeks; and Little Susitna River

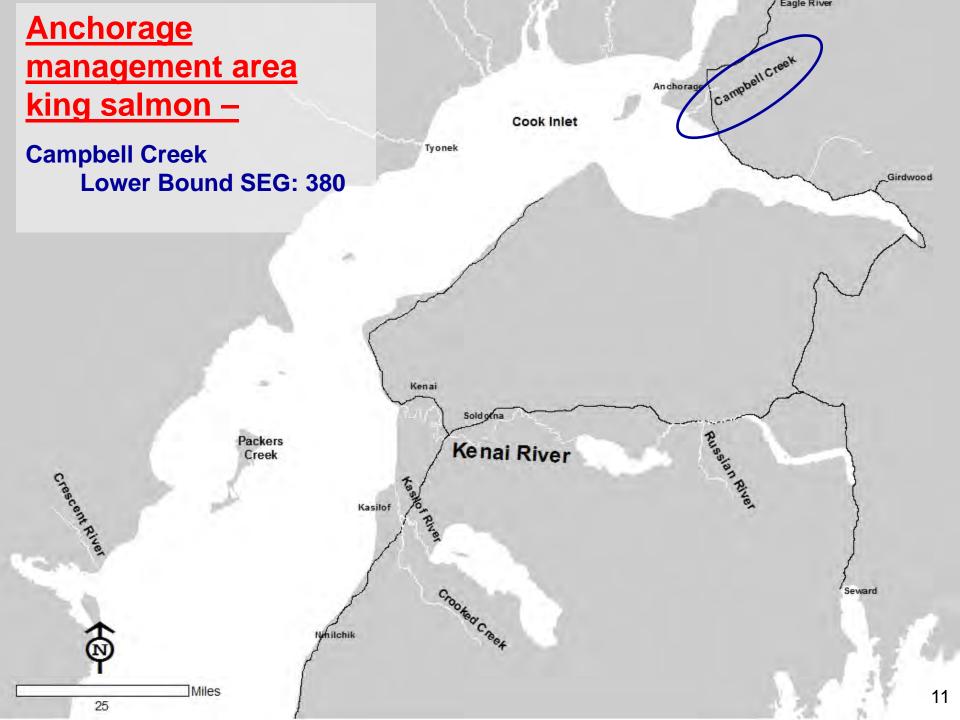
Sockeye salmon: 10 stocks

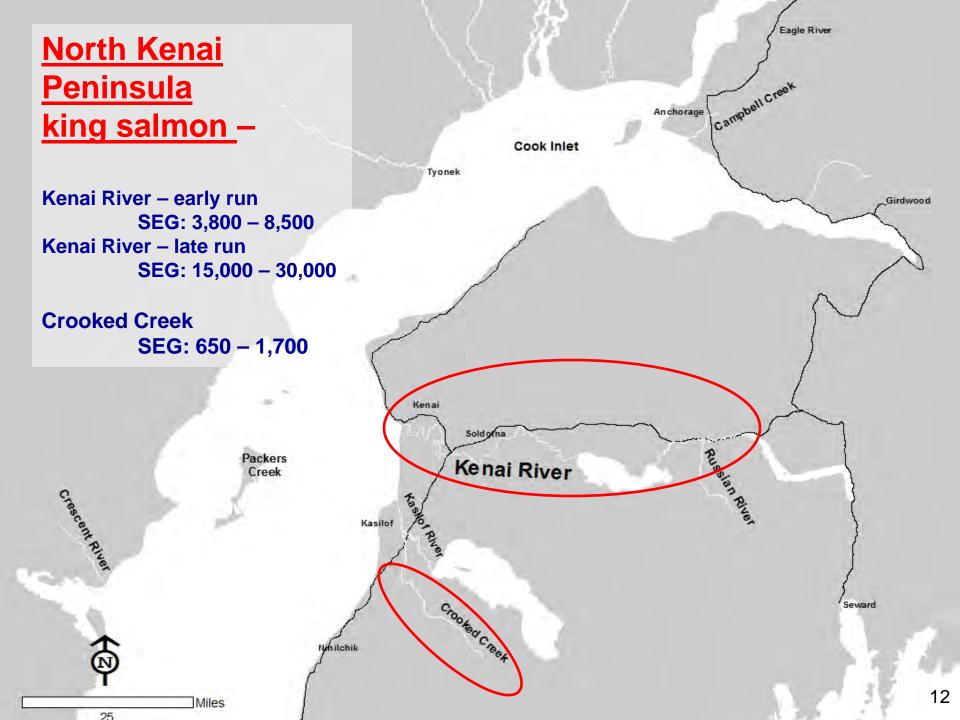
Fish and Packers creeks; Chelatna, Judd, and Larson lakes; and Crescent, Kasilof, Kenai, and Russian (early and late run) rivers

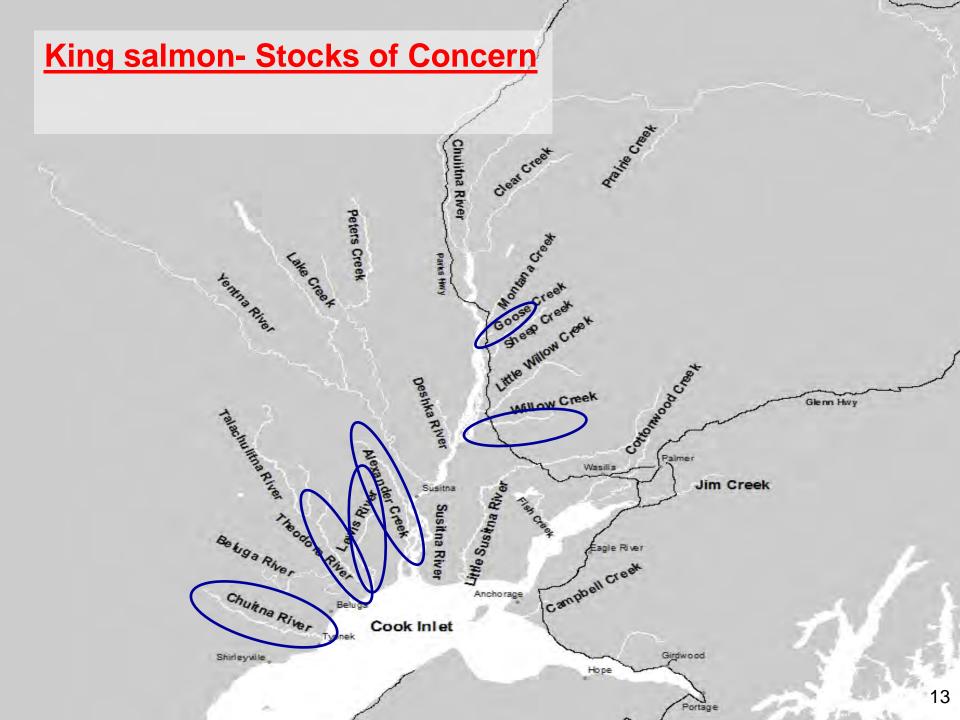






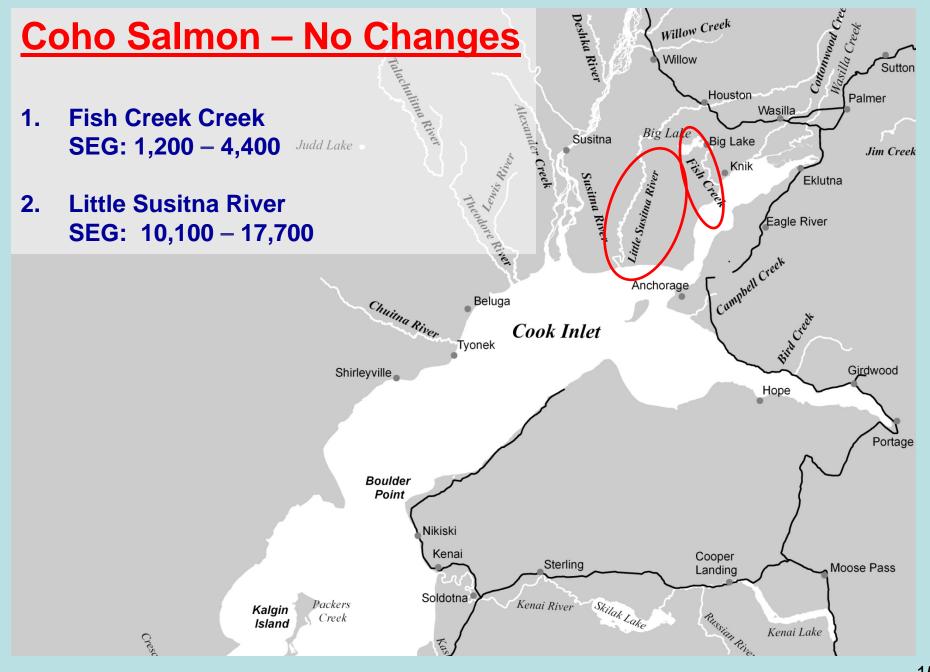


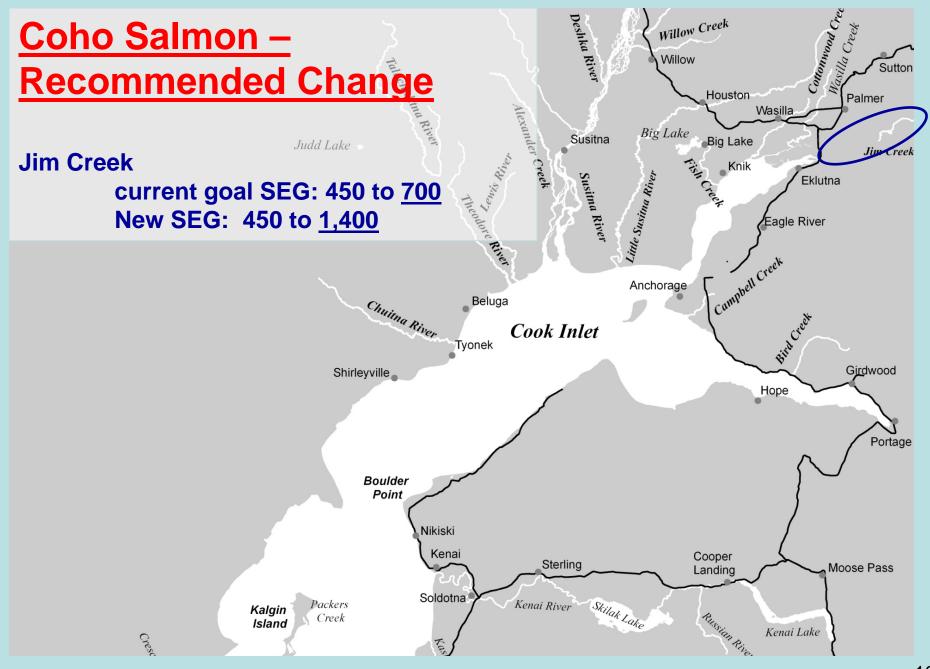


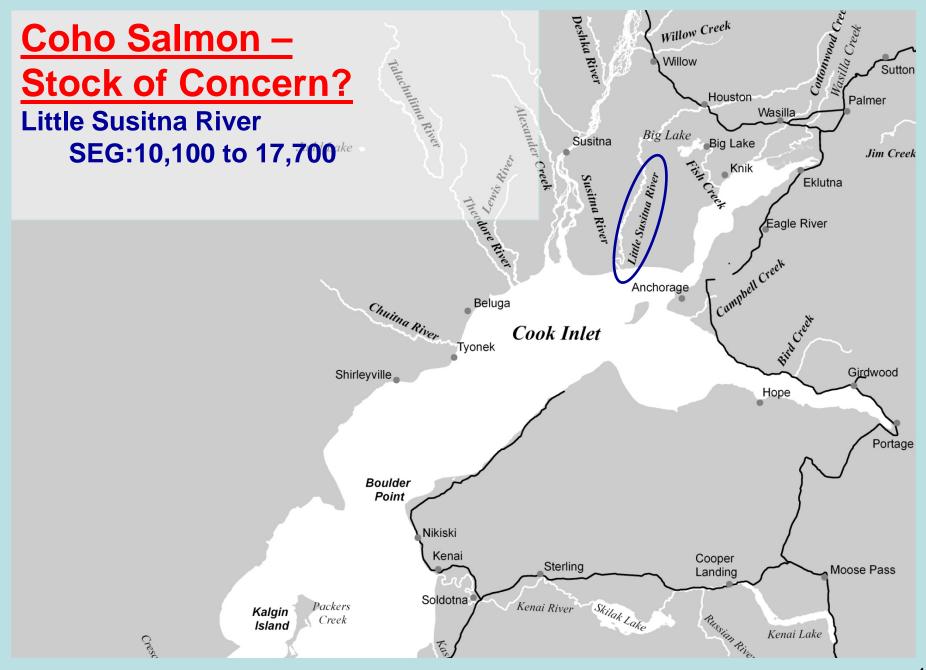


King salmon- Stocks of Concern

			Escapements			
<u>Stock</u>	Goal Range	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>
Alexander Creek	2,100-6,000	275	177	343	181	588
Chuitna River	1,200–2,900	1,040	735	719	502	1,690
Goose Creek	250–650	65	76	80	57	62
Lewis River	250–800	111	56	92	107	61
Theodore River	500–1,700	352	202	327	179	476
Willow Creek	1,600–2,800	1,113	1,173	1,061	756	1.752

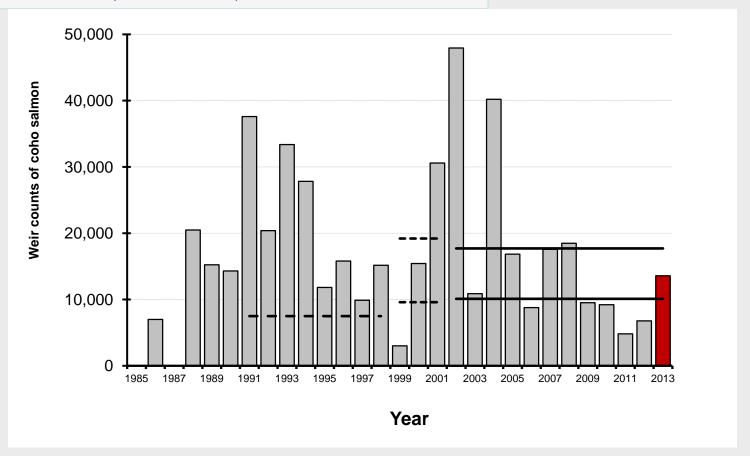


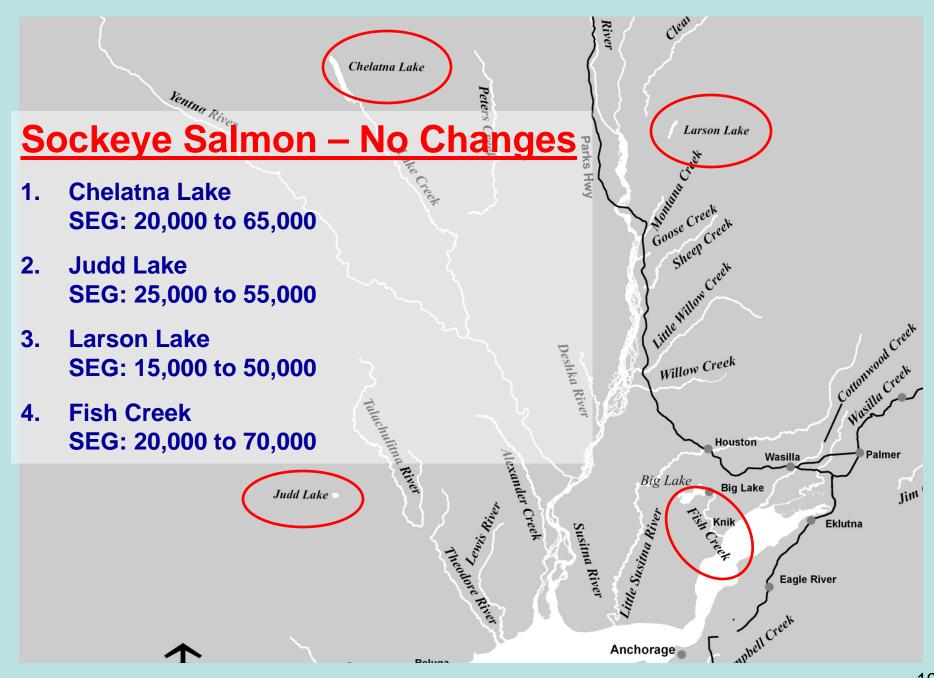


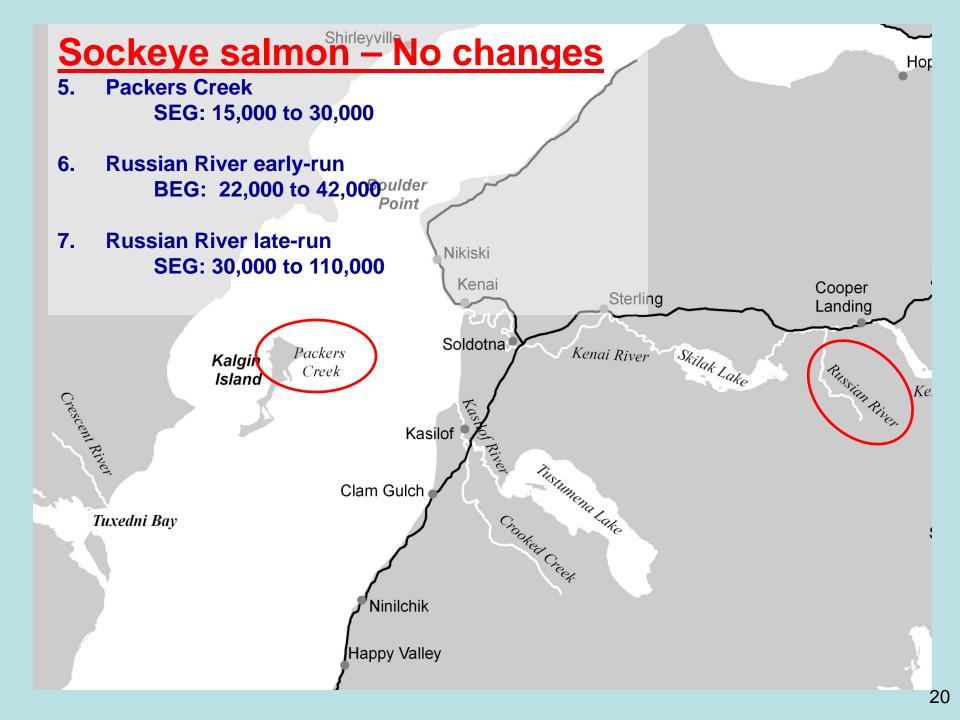


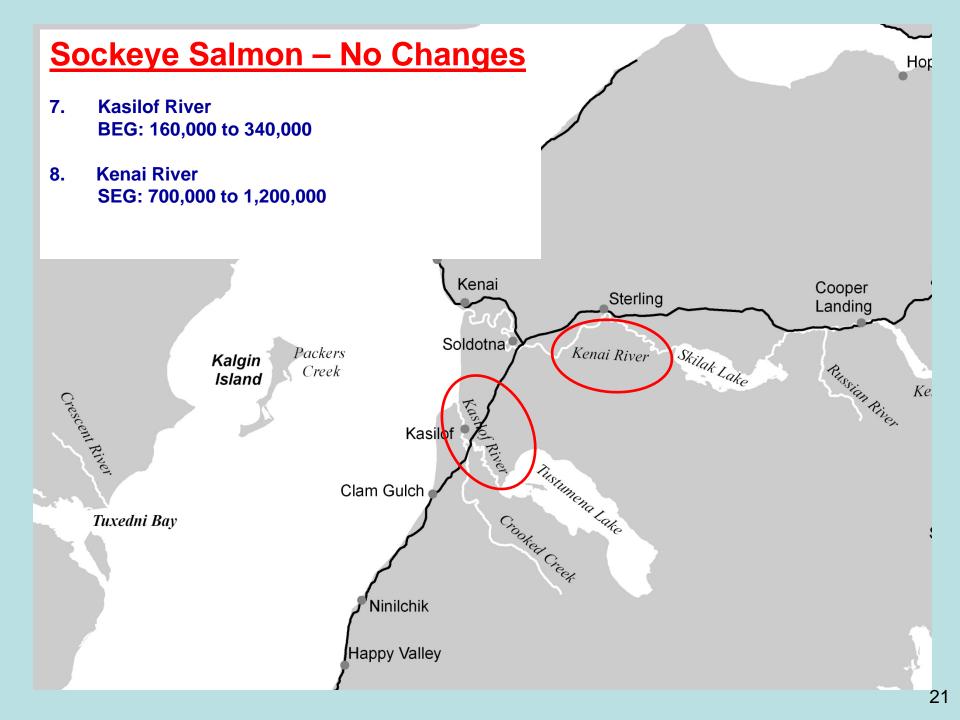
<u>Coho Salmon –</u> <u>Stock of Concern?</u>

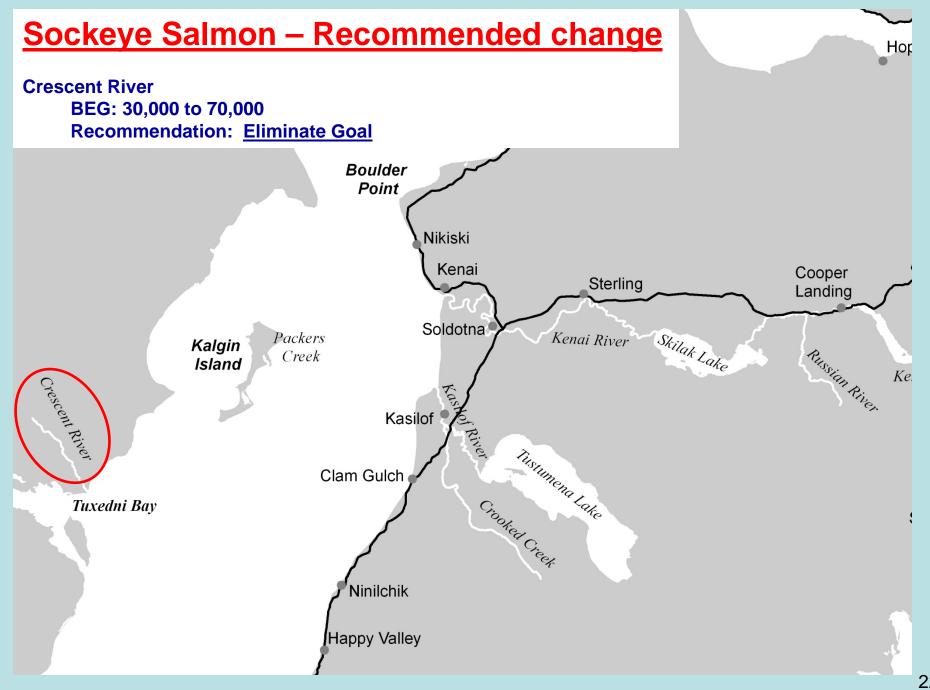
Little Susitna River SEG:10,100 to 17,700











Review Summary

No changes to 34 Goals

- Clearwater Creek chum
- Fish Creek coho
- Little Susitna River coho
- Chelatna Lake sockeye
- Crescent River sockeye
- Fish Creek sockeye
- Judd Lake sockeye
- Kasilof River sockeye
- Kenai River sockeye
- Larson Lake sockeye
- Packers Creek sockeye
- Russian River early-run sockeye
- Russian River late-run sockeye
- Alexander Creek king
- Campbell Creek king
- Chuitna River king
- Chulitna River king

- Clear Creek king
- Crooked Creek king
- Deshka River king
- Goose Creek king
- Kenai River early-run king
- Kenai River late-run king
- Lake Creek king
- Lewis River king
- Little Willow Creek king
- Little Susitna River king
- Montana Creek king
- Peters Creek king
- Prairie Creek king
- Sheep Creek king
- Talachulitna Creek king
- Theodore River king
- Willow Creek king

Review Summary

2 Recommended changes

- Crescent Creek sockeye: discontinue goal
- Jim Creek coho: SEG 450-1,400

7 Stocks considered

- Deshka coho
- Big River lake
- Kustatan River coho
- Kashwitna king
- Moose Creek king
- Little Susitna sockeye
- Little Susitna River chum

Questions?

