Copper River District Salmon Fisheries, 2014 Report To Alaska Board Of Fisheries



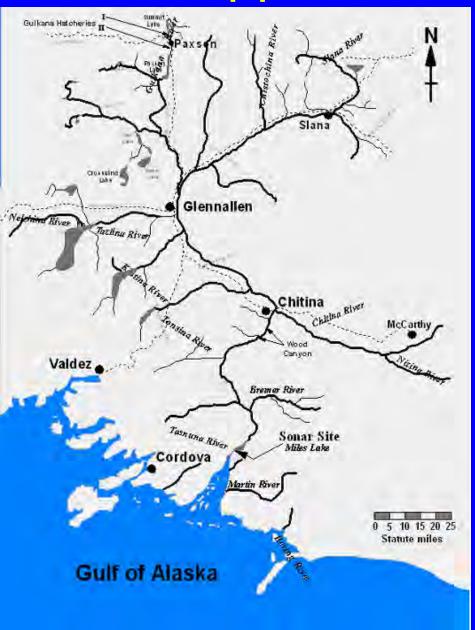
RC 3 Oral Report Tab 4

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Presentation Overview

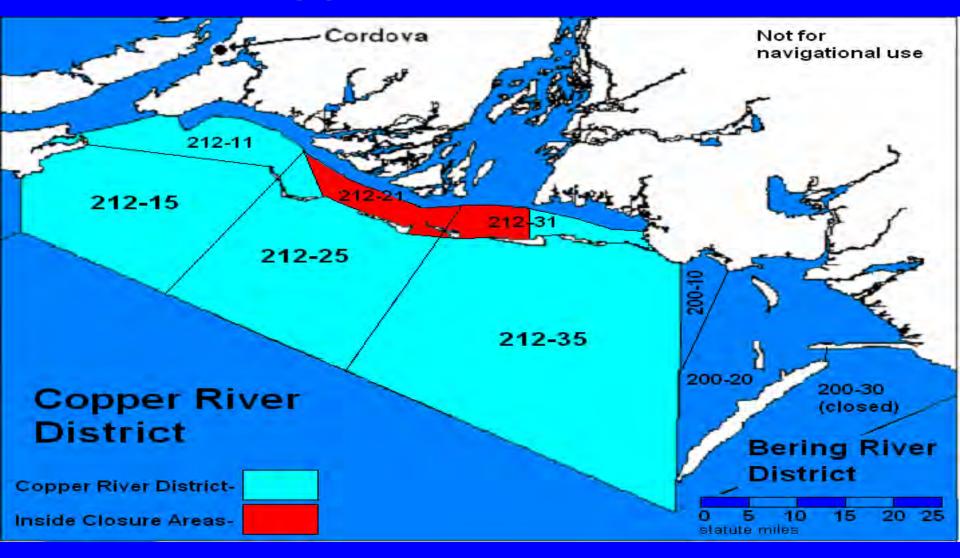
- Copper River Drainage and Commercial Districts Overview
- Fishery Assessment Tools and Methods Summary
- Copper River District Commercial Escapement and Harvest Levels
- Highlights of last three seasons
- Proposals Before the Board

Copper River Drainage



- Extends from Summit
 Lake to the Gulf of Alaska
- Has 11 major communities within its boundaries
- Encompasses over 24,000 square miles and is Alaska's fifth largest river system

Copper River District



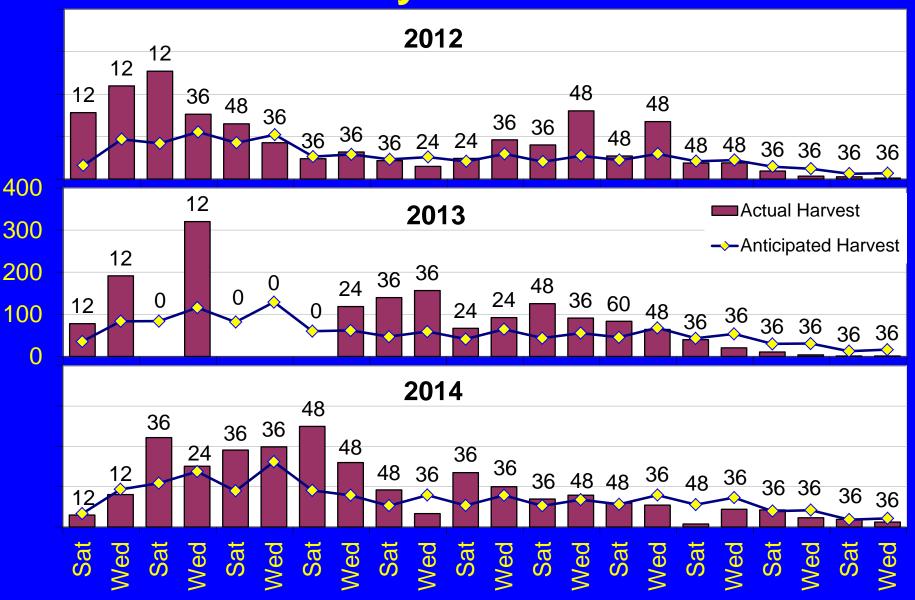
Proposal 45–Repeal mandatory inside-waters closure.

There Are Three Primary Tools Used Inseason to Assess Fisheries in the Copper River District

These are:

- Abundance and environment based management (early season),
- Sonar counts from Miles Lake (early to mid season),
- Aerial survey estimates (mid to late season)

2012–2014 Abundance Based Management – Sockeye Salmon



(thousands)

No. fish

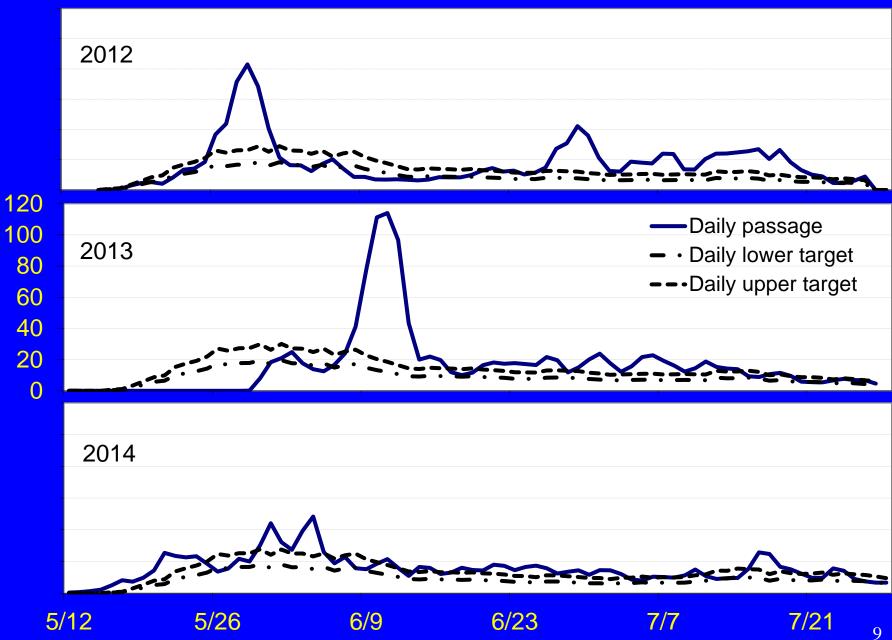
Miles Lake DIDSON Sonar



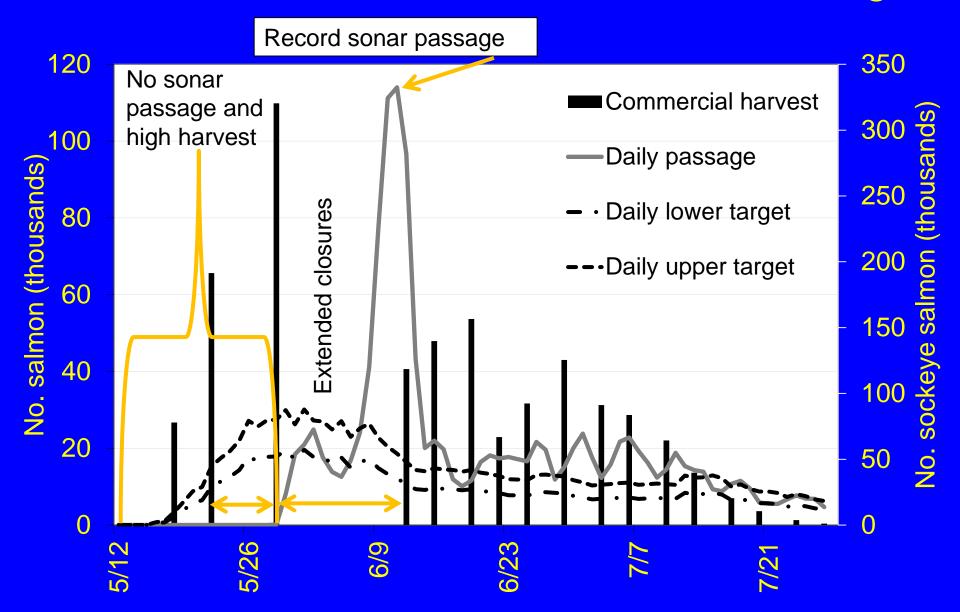
Miles Lake Sonar Sites







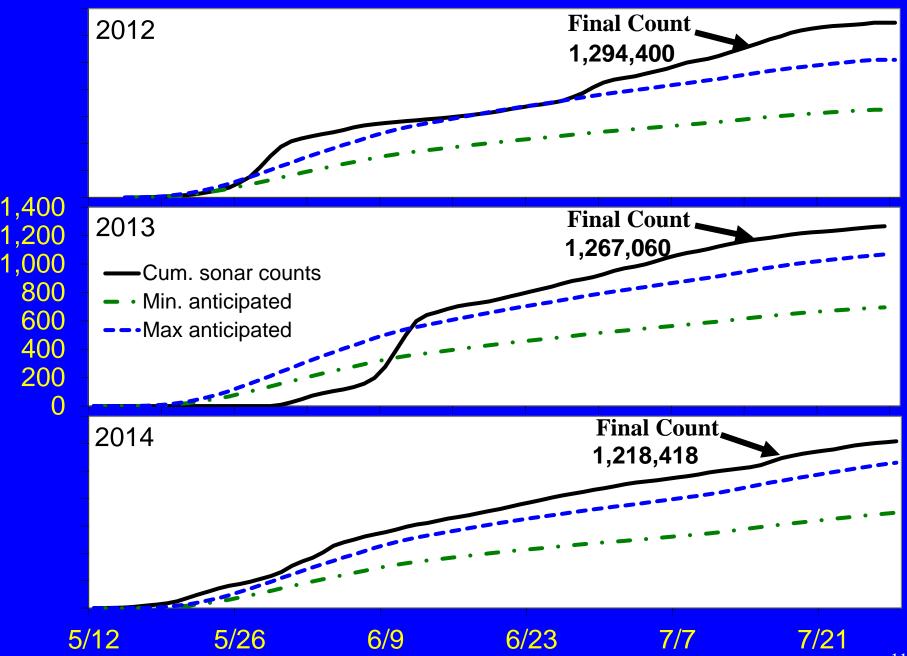
2013 Commercial Harvest VS Sonar Passage



2012–2014 Miles Lake Cumulative Sonar Numbers

(thousands)

No. salmon

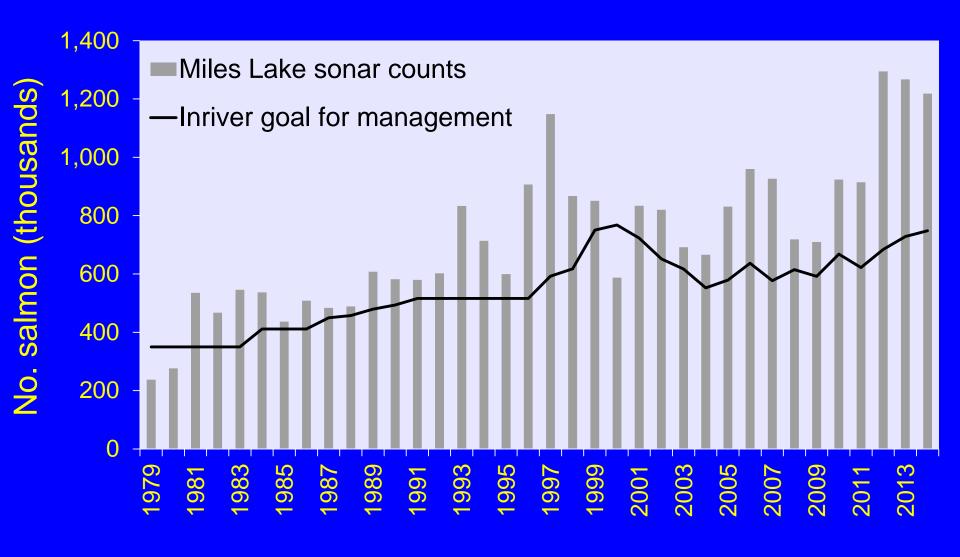


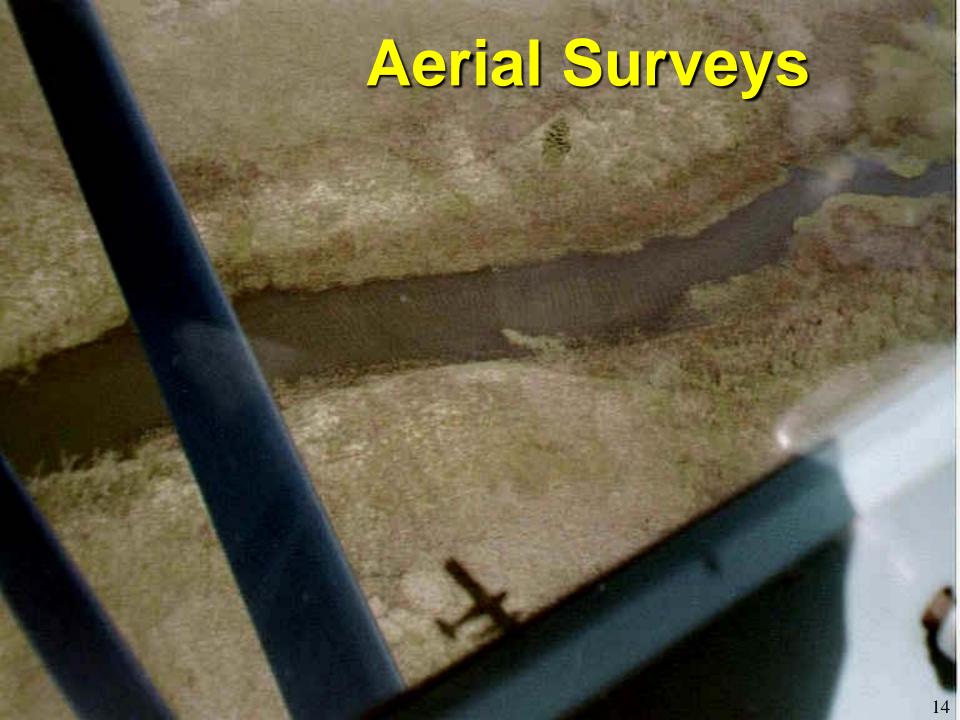
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2012–2014 INRIVER SONAR GOAL (Thousands)*

Spawning Esc.	360 Sockeye	<u>2012</u> 360	<u>2013</u> 360	<u>2014</u> 360
	17.5 Other Salmon	17.5	17.5	17.5
Glennallen Sub.	61 – 82.5 Salmon	71	82.5	82.5
Chitina PU	100 – 150 Salmon	120	133	132.5
Sport Fishery	15 Salmon	15	15	15
Hatchery Brood	Estimated Annually	20	20	20
Hatchery Surplus	Estimated Annually	80.5	100.3	120.4
Total	Estimated Annually	684	728	748

Sonar counts vs. inriver goal







Copper River Escapement and Harvest

Sockeye Salmon

King Salmon

Coho Salmon

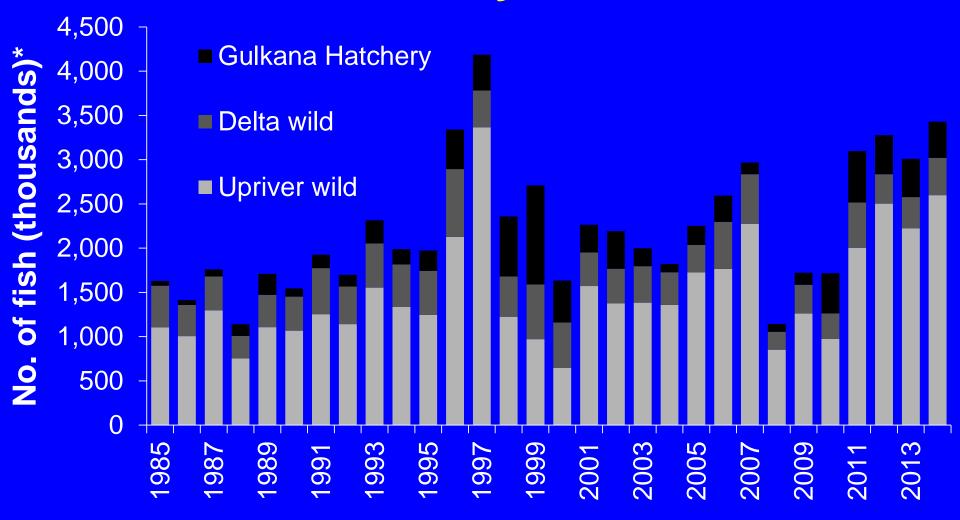
Copper River Escapement and Harvest

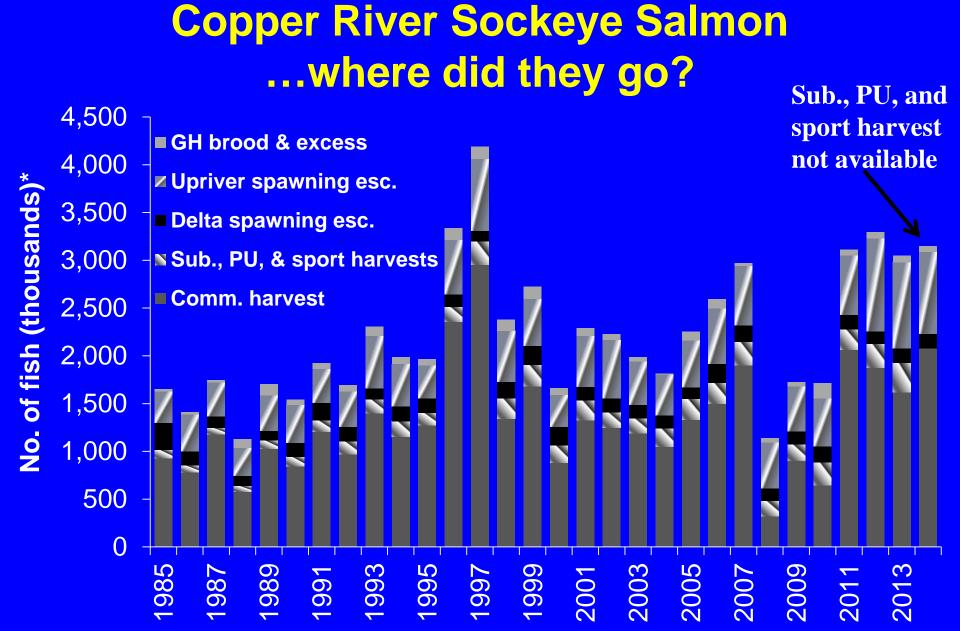


Sockeye Salmon

- Run origin
- Run destination
- Historical run comparison

Copper River Sockeye Salmon ...where do they come from?





Copper River Sockeye Salmon: 2012–2014

	Harvest and esc. (thousands of fish)				
	2012	2013	2014	10-yr avg. (02-11)	
Comm. harvest	1,875 (57%)	1,608 (53%)	2,068 (61%)	1,212 (57%)	
Sub. harvest	98 (3%)	100 (3%)	NA	76 (4%)	
PU harvest	127 (4%)	181 (6%)	NA	108 (5%)	
Sport harvest	24 (1%)	28 (1%)	NA	12 (1%)	
Delta spawning esc.	134 (4%)	151 (5%)	153 (5%)	152 (7%)	
Upriver spawning esc.	971 (30%)	901 (30%)	856 (25%)	526 (24%)	
GH brood & excess	65 (2%)	72 (2%)	62 (2%)	63 (3%)	
Total run	3,294	3,050	3,429	2,153	

^{* 2014} data are PRELIMINARY; percentages represent percent of total annual run.

Copper River Sockeye Salmon: Meeting Escapement Goals

	No. of fish (thousands)			
	2012	2013	2014	10-year average (2002-2011)
Delta spawning escapement	134	151	153	152
Upriver spawning escapement	971	901	880	526

Copper River Delta adjusted SEG is 110,000-260,000*.

Upriver SEG is 360,000-750,000.

^{*2014} data are PRELIMINARY and delta esc. and goals were adjusted for observer efficiency

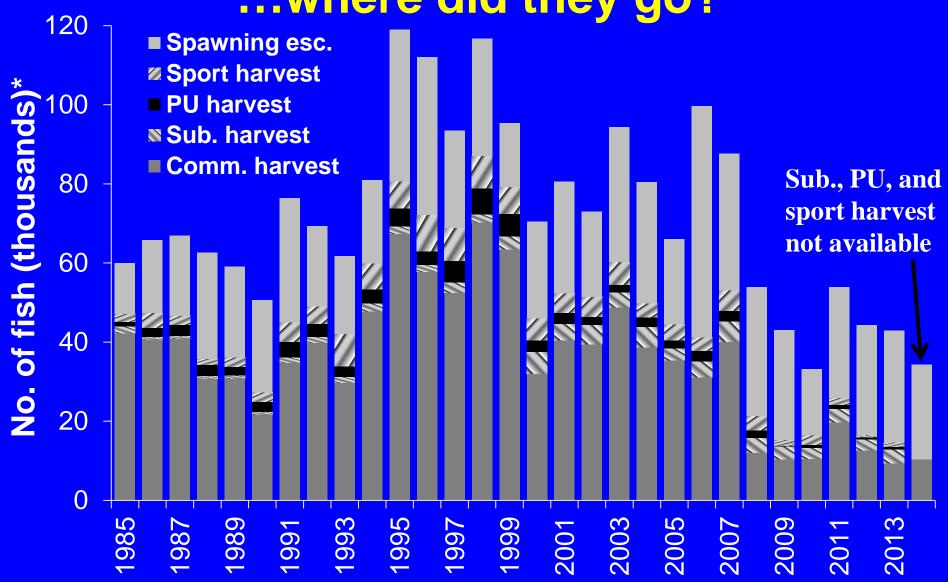
Copper River Escapement and Harvest



King Salmon

- Run size and user group harvest
- Historical run comparison

Copper River King Salmonwhere did they go?



Copper River King Salmon: 2012–2014

	Harvest and esc. (thousands of fish)*				
	2012	2013	2014	10-year avg. (2002-2011)	
Comm. harvest	12 (29%) (56%)	9 (22%) (67%)	10 (27%) (64%)	29 (42%)	
Sub. harvest	3 (6%) (29%)	3 (8%) (12%)	NA	4 (6%)	
PU harvest	1 (1%) (68%)	1 (2%) (58%)	NA	2 (3%)	
Sport harvest	<1 (1%) (87%)	1 (3%) (69%)	NA	4 (5%)	
Spawning esc.	28 (63%) (9%)	28 (66%) (8%)	24 (62%) (22%)	31 (45%)	
Total run	44 (35%)	43 (37%)	38 (44%)	68	

*2014 data are PRELIMINARY; percentages in white represent percent of total annual run and red/italicized percentages represent percent below 10-year average.

Copper River King Salmon: Meeting the Escapement Goal

No. of fish (thousands)

			10-year avg.
2012	2013	2014*	(2002-2011)

Spawning esc. 28 28 24 31

Copper River King salmon SEG is 24,000 or more

^{* 2014} data are PRELIMINARY

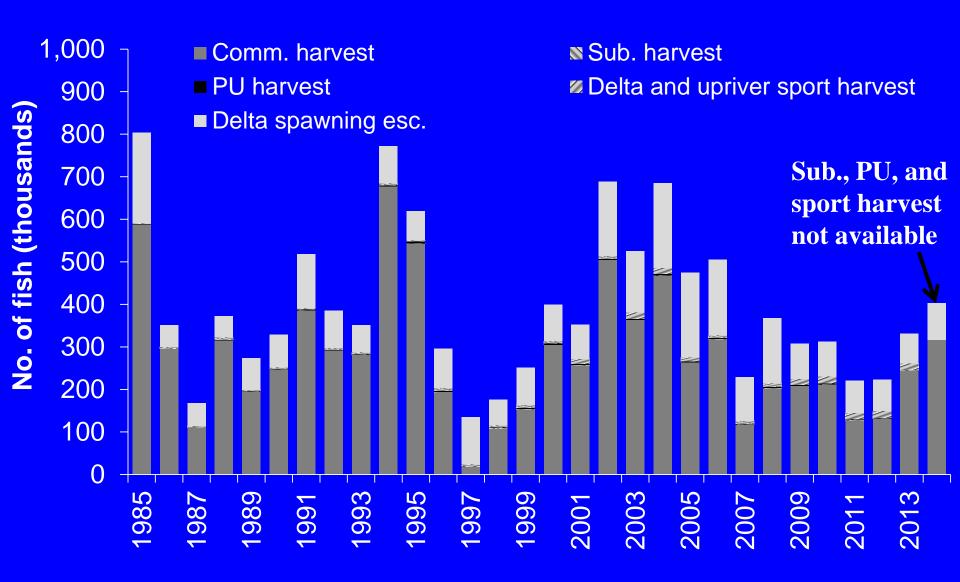
Copper River Escapement and Harvest



Coho Salmon

- Run size and user group harvest
- Historical run comparison

Copper River Coho Salmon...where did they go?



^{* 2014} data are PRELIMINARY

Copper River Coho Salmon: 2012–2014 compared with the 10-yr average

	Harvest and esc. (thousands of fish)*				
	2012	2013	2014	10-year avg. (2002-2011)	
Comm. harvest	131 (59%)	245 (74%)	316 (76%)	279 (53%)	
Sub. harvest	1 (<1%)	<1 (<1%)	NA	1 (<1%)	
PU harvest	1 (1%)	<1 (<1%)	NA	2 (1%)	
Sport harvest	15 (7%)	15 (5%)	NA	11 (3%)	
Spawning esc.	74 (33%)	69 (21%)	86 (21%)	139 (28%)	
Total run	223	331	419	432	

^{* 2014} data are PRELIMINARY; percentages represent percent of total annual run.

Copper River Coho Salmon: Meeting the Escapement Goal

No. of fish (thousands)

10-yr. avg.
2012 2013 2014* (2002-2011)

Spawning 74 69 86 139 escapement

Copper River delta adjusted SEG for coho salmon is 64,000-134,000*

PROPOSALS (11)

- Subsistence (3 proposals),
- Allocation Plan (1 proposal),
- Commercial Gear Specifications (2 proposals),
- Fishing Seasons (1 proposal),
- Copper River King Salmon Management Plan (3 proposal),
- Closed waters (1 proposals).

Thank You For Your Time.



Questions or Comments?