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March 3, 2014

MEMORANDUM

TO: Council members

FROM: Lynn Palensky

SUBJECT: Briefing on Columbia River Basin fish run forecasts for 2015

BACKGROUND:

Presenter: Lynn Palensky, Bill Tweit (WDFW), and Paul Kline (IDFG)

Summary: Bill Tweit (Special Assistant for the Washington Department of Fish and Wildlife) and Paul Kline (Asst. Chief of Fisheries for the Idaho Department of Fish and Game) will present the latest information on the 2015 adult salmon and steelhead run forecasts for the Columbia and Snake rivers, with a brief summary of expectations for the 2015 fisheries.

Bill Tweit's presentation will cover the 2015 Columbia River salmon run forecasts. It will also include a retrospective review of the 2014 adult salmon and steelhead, eulachon and chum returns and fisheries in the Columbia River Basin excluding the Snake Basin.

Paul Kline will then summarize the recent, historical returns of salmon and steelhead to the Snake River Basin, focusing on the species/run groupings of spring, summer, fall Chinook salmon; summer steelhead; and sockeye salmon. For each species/run grouping, counts of fish crossing Lower Granite Dam will be presented. Numbers of fish passing Lower Granite Dam comprise the aggregate count of adult salmon and steelhead destined for eastern Oregon's Grande Ronde and Imnaha river drainages

and Idaho's Clearwater and Salmon River drainages. In addition to historical return information, 2014 forecast information for Snake River spring/summer Chinook salmon, summer steelhead, and sockeye salmon will be presented.

Relevance: This information is relevant to our high level indicators. It gives the region a preview for what is expected for adult returns in the current year.

Workplan: This task is captured in the workplan under Adaptive Management - Annual Reports.

More Info: Links: Columbia River Forecasts http://wdfw.wa.gov/fishing/reports_plants.html, and Joint State Staff Reports <http://wdfw.wa.gov/fishing/crc/>.

The Snake River Update – Trends in salmon and steelhead abundance and outlook on 2015 adult returns to LGR



**Paul Kline
Idaho Department of Fish and Game**



The Snake River Update – Trends in salmon and steelhead abundance and outlook on 2015 adult returns to LGR

CONTENT

1. 2000-2014 time-series return information:

- a. Fall Chinook Salmon
- b. Sockeye Salmon
- c. Summer Steelhead
- d. Spring/Summer Chinook Salmon
- e. Coho Salmon

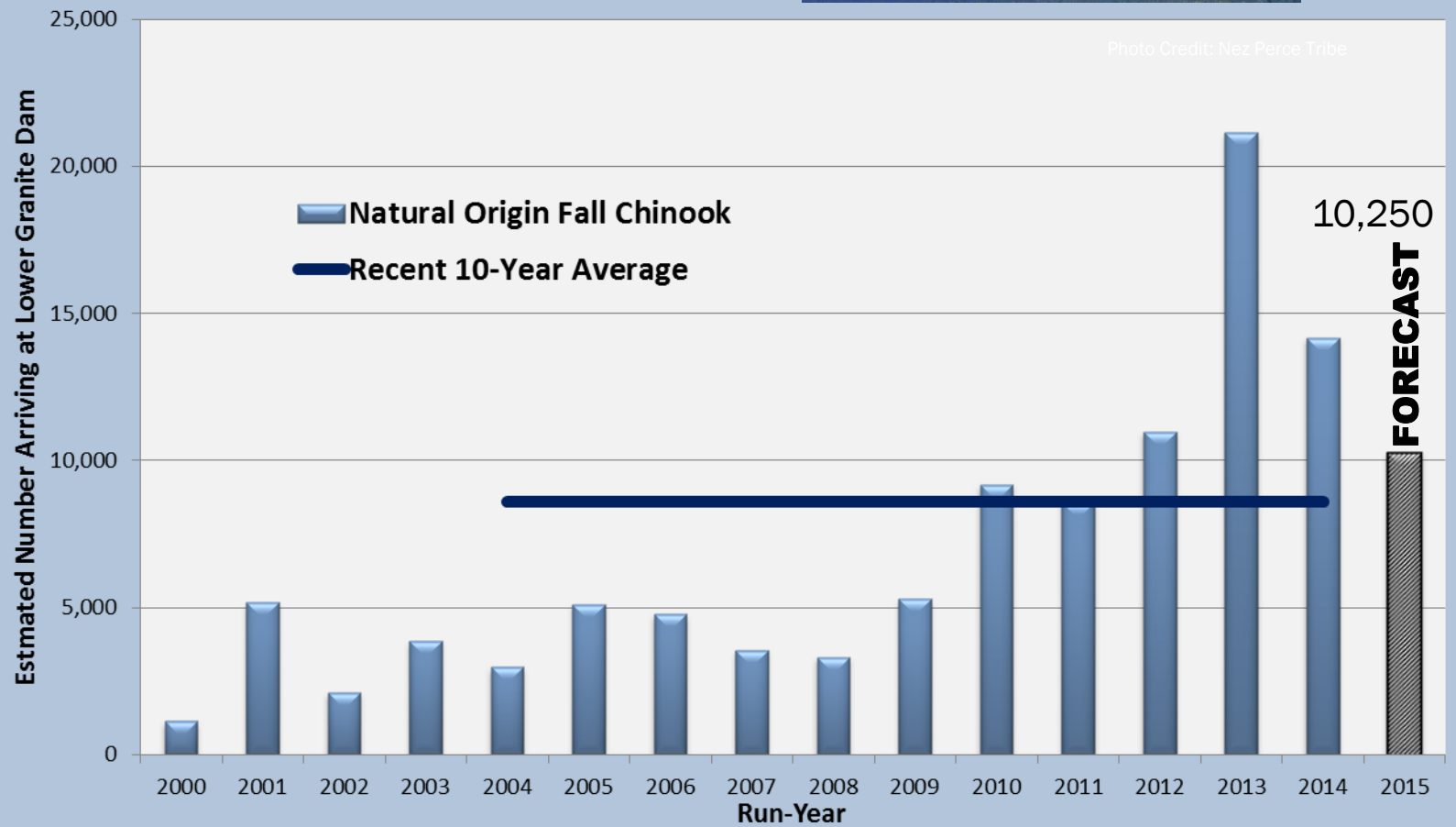
2. 2015 run-size forecasts for:

- a. Fall Chinook Salmon
- b. Sockeye Salmon
- c. Summer Steelhead
- d. Spring/Summer Chinook Salmon

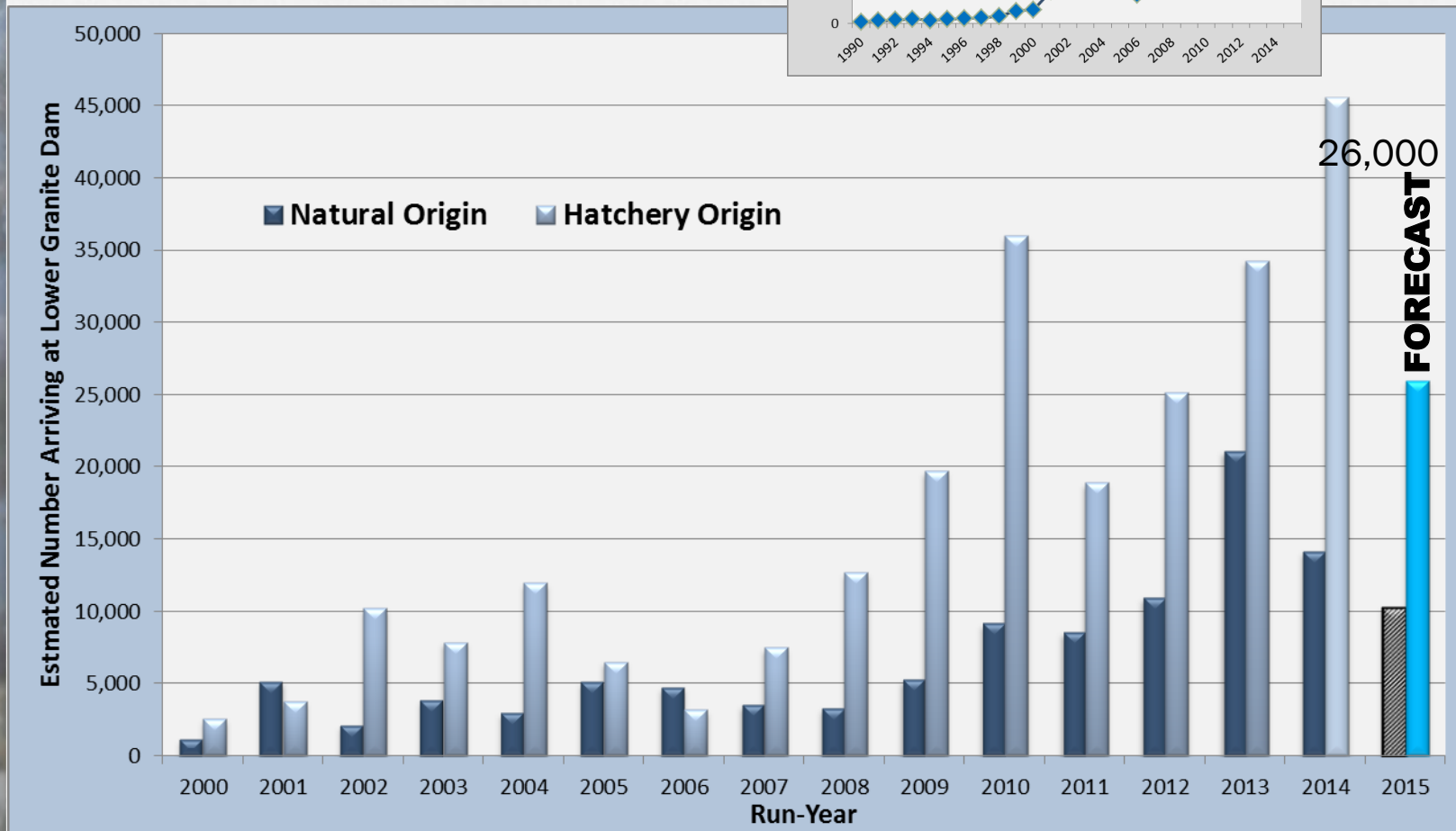
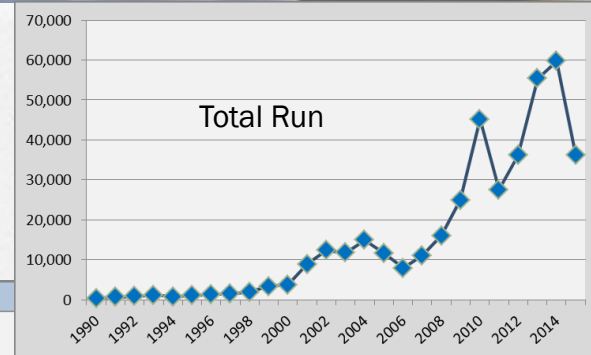
Fall Chinook Salmon



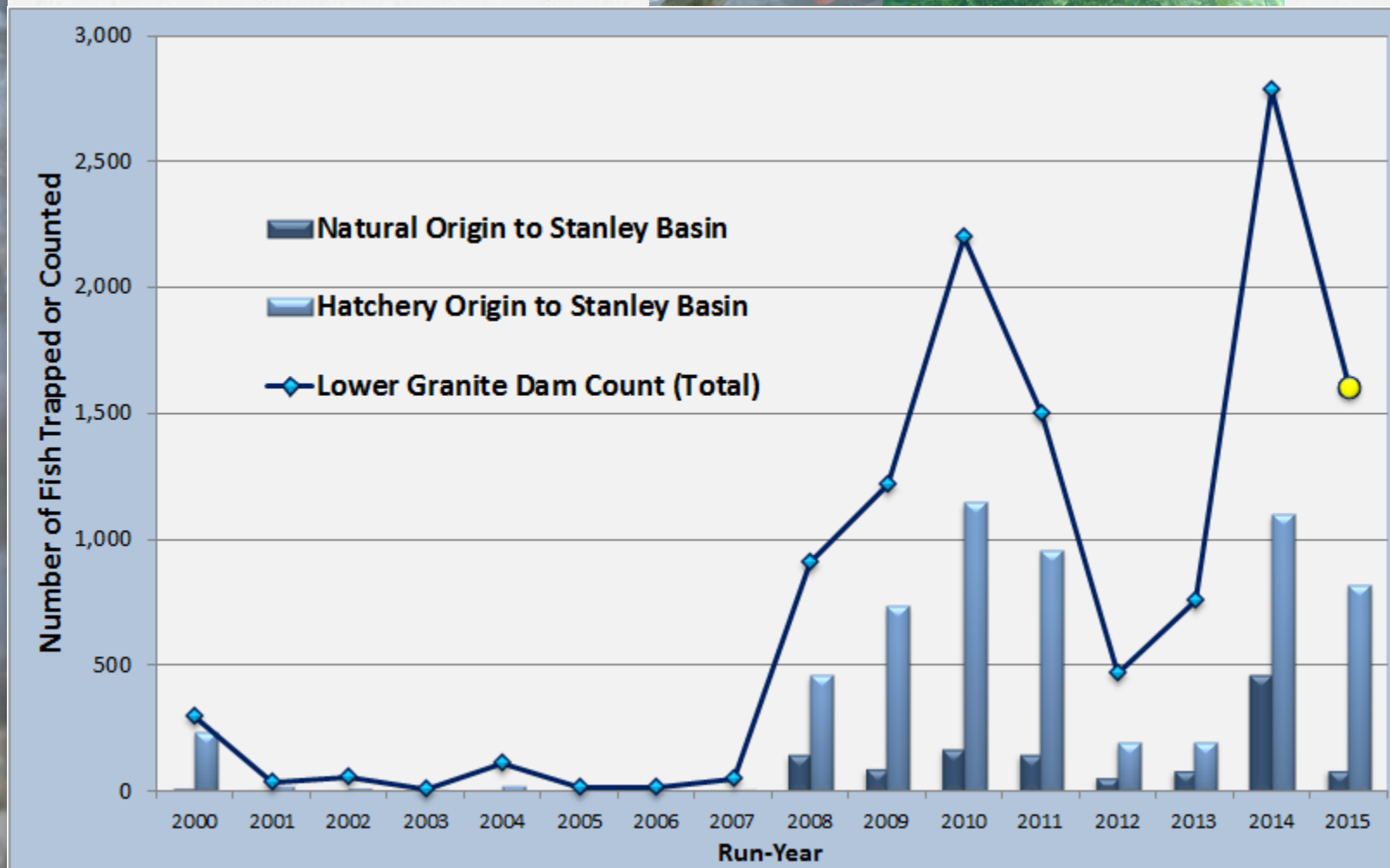
Photo Credit: Nez Perce Tribe



Fall Chinook Salmon



Sockeye Salmon

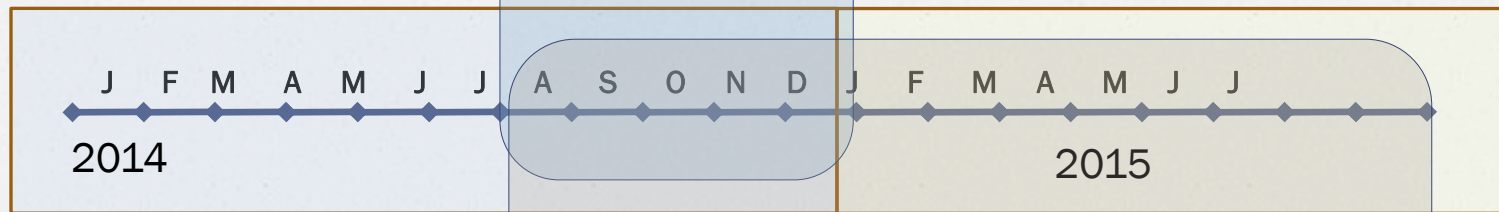


Summer Steelhead Run-Years



Bonneville Dam
7/1 - 10/31
Group A & B

Steelhead that crossed
Bonneville Dam July-
October 2014.....



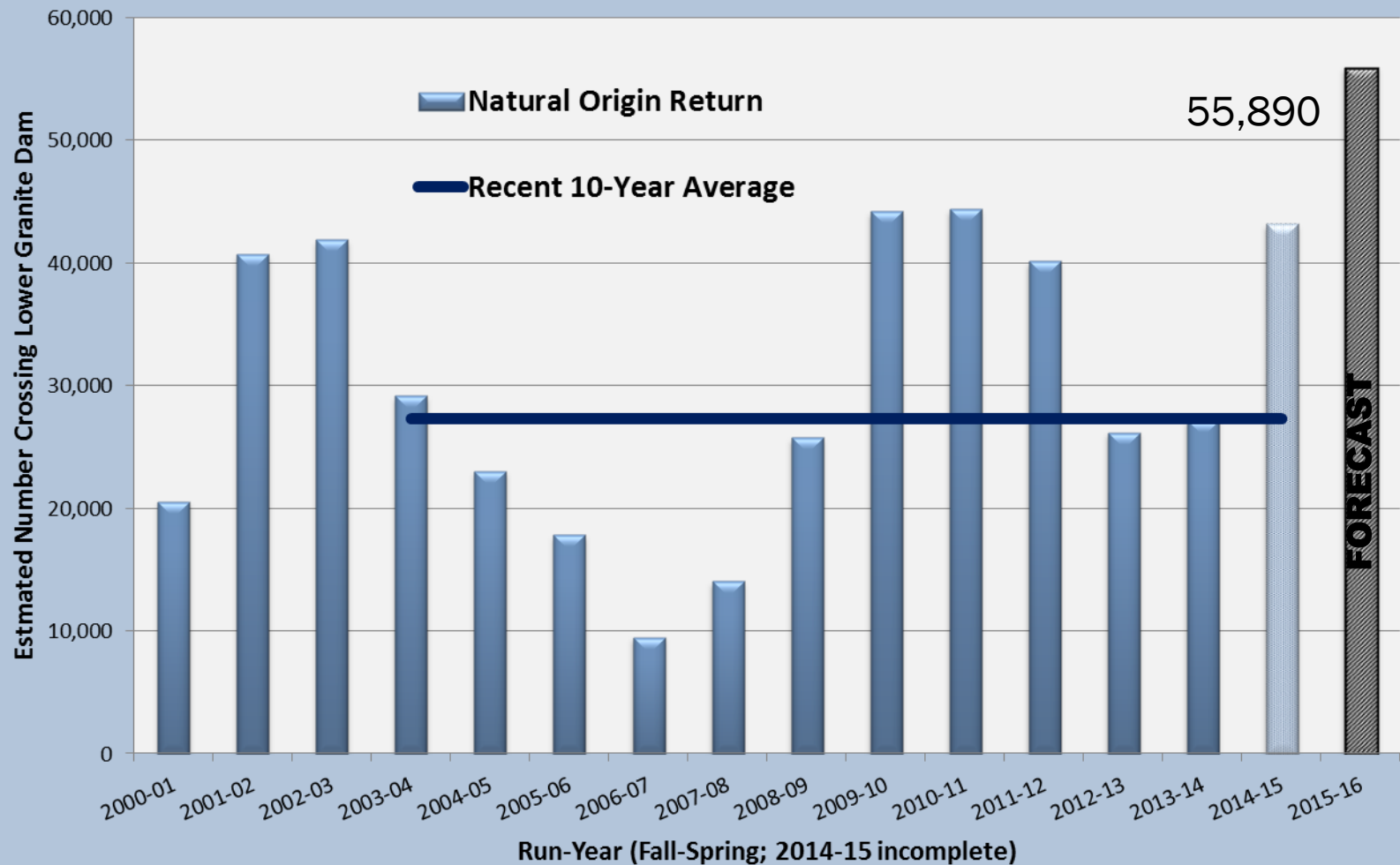
.....will cross Lower
Granite Dam July 2014
through June 2015.

7/1 - 12/31 and 1/1 - 6/30
Group A & B
2014-2015 Run-Year

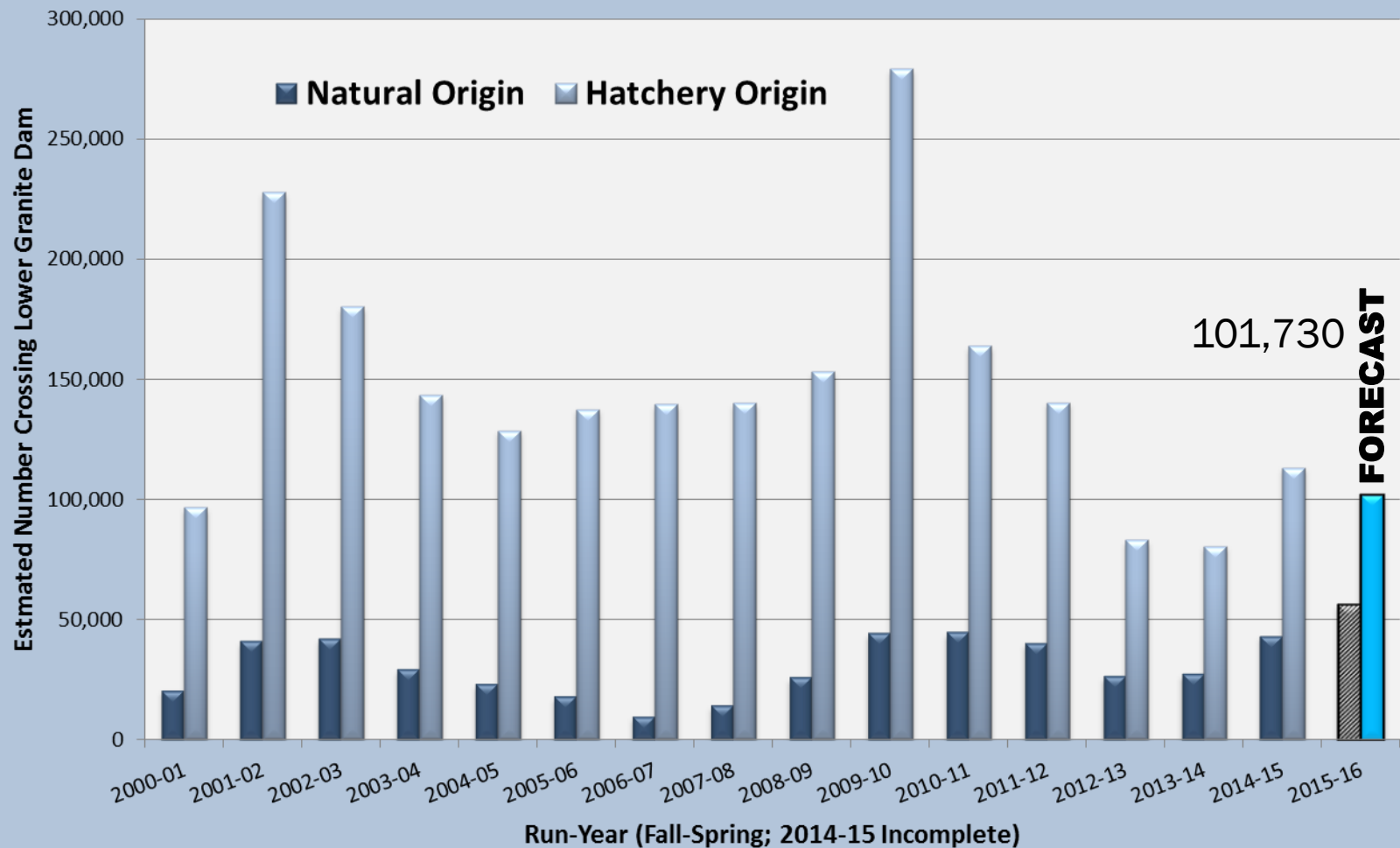
Lower Granite Dam



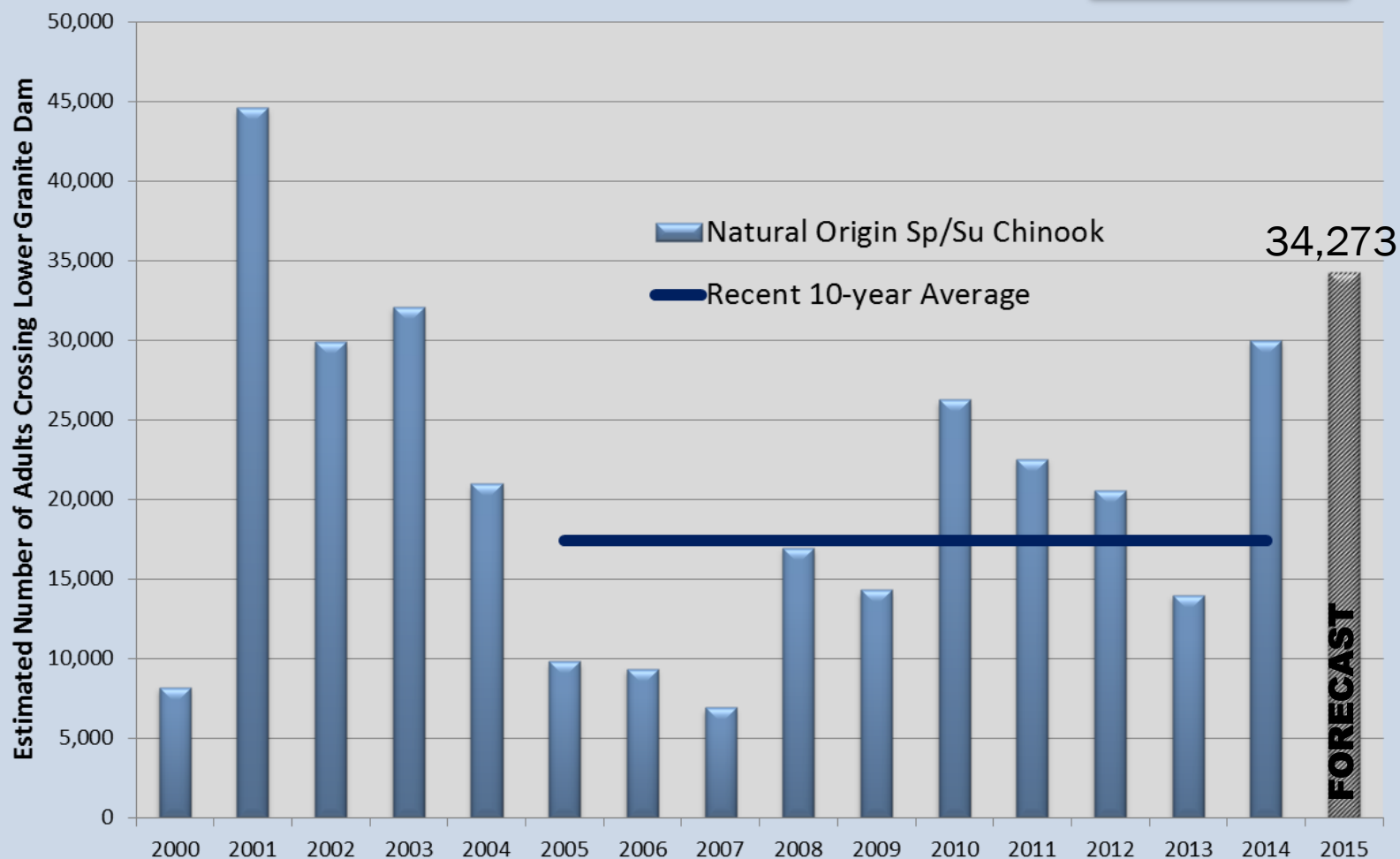
Summer Steelhead



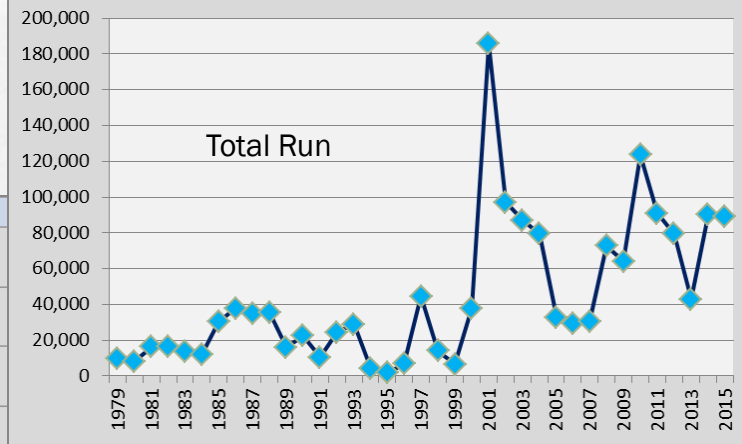
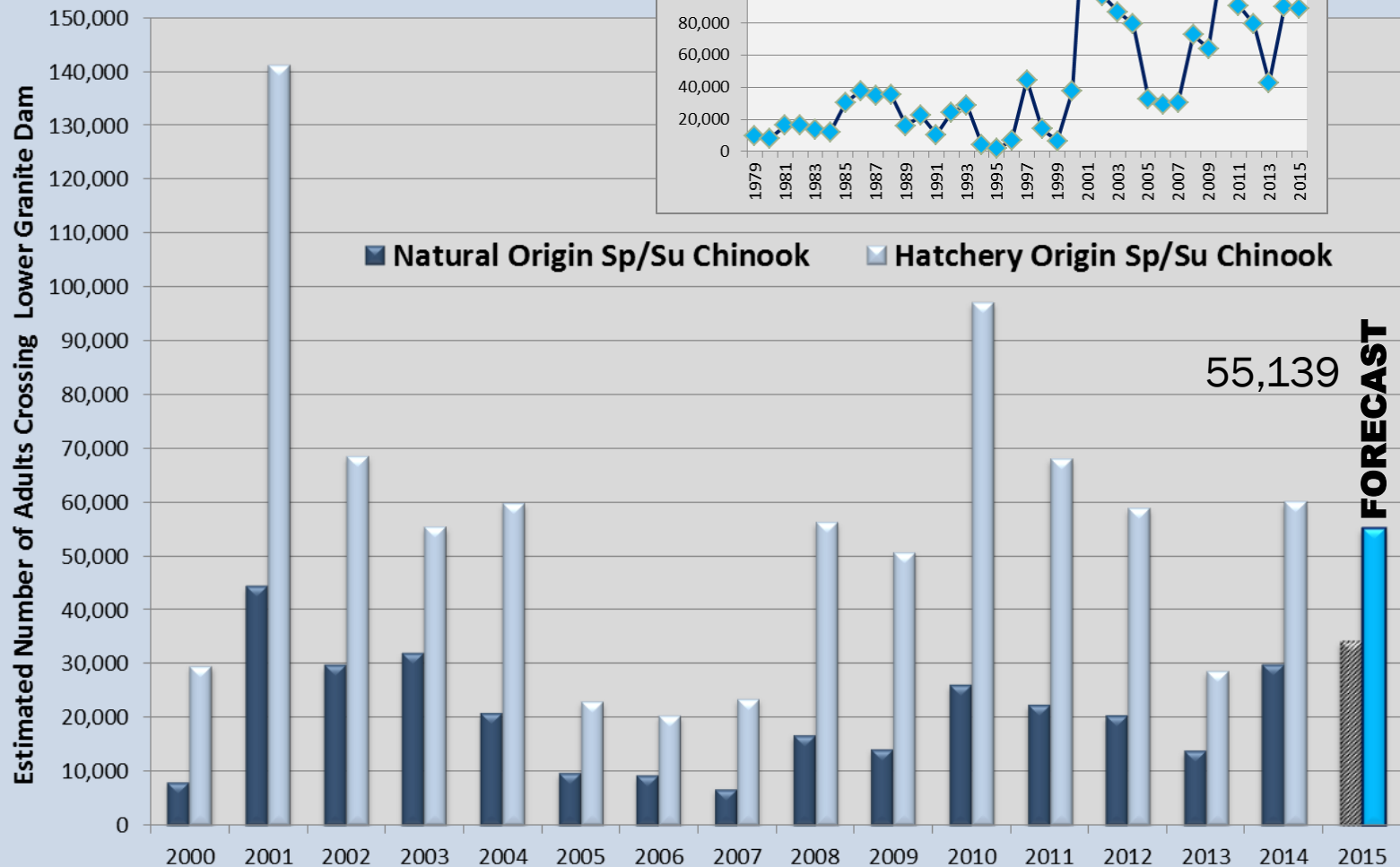
Summer Steelhead



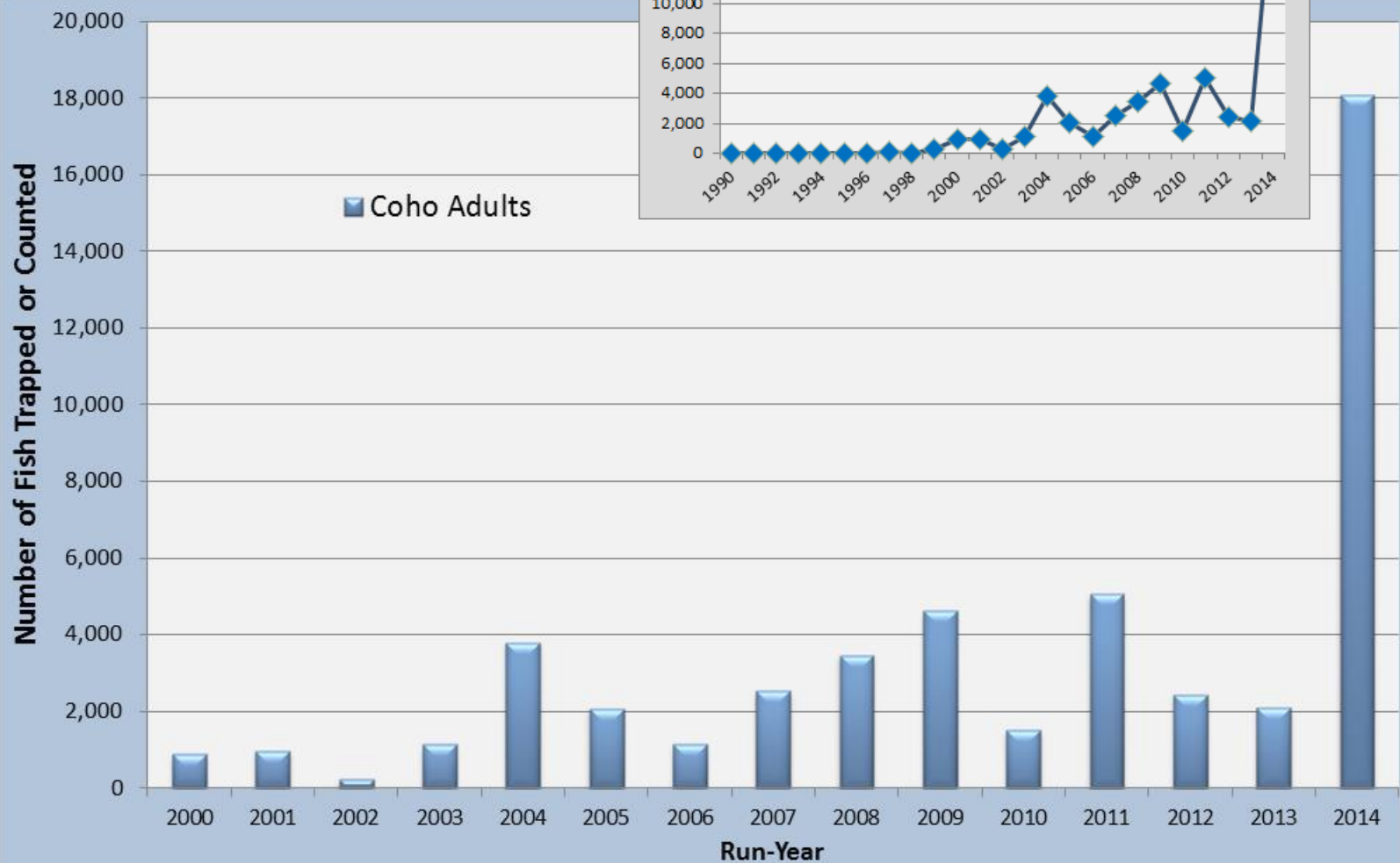
Spring/Summer Chinook Salmon



Spring/Summer Chinook Salmon



Coho Salmon



Questions



Wild Chinook salmon spawner in, Idaho

COLUMBIA RIVER SALMON AND STEELHEAD RETURNS



NPCC – March 2015

Presented by: Washington Department of Fish and Wildlife

U.S. v Oregon

Technical Advisory Committee

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- The U.S. v Oregon Technical Advisory Committee (TAC) consists of staff from federal, tribal and state entities.
- TAC 'reconstructs' Columbia River salmon and steelhead returns post season and develops preseason forecasts.
- TAC works to review salmon and steelhead stock status as the runs progress and provides inseason run size updates.
- In 2014, TAC met 17 times to provide inseason run size updates on spring, summer, fall Chinook and sockeye
- These inseason updates allow fishery managers to adjust fisheries as necessary in order to remain within ESA limits and management guidelines.

U.S. v Oregon

TAC Members

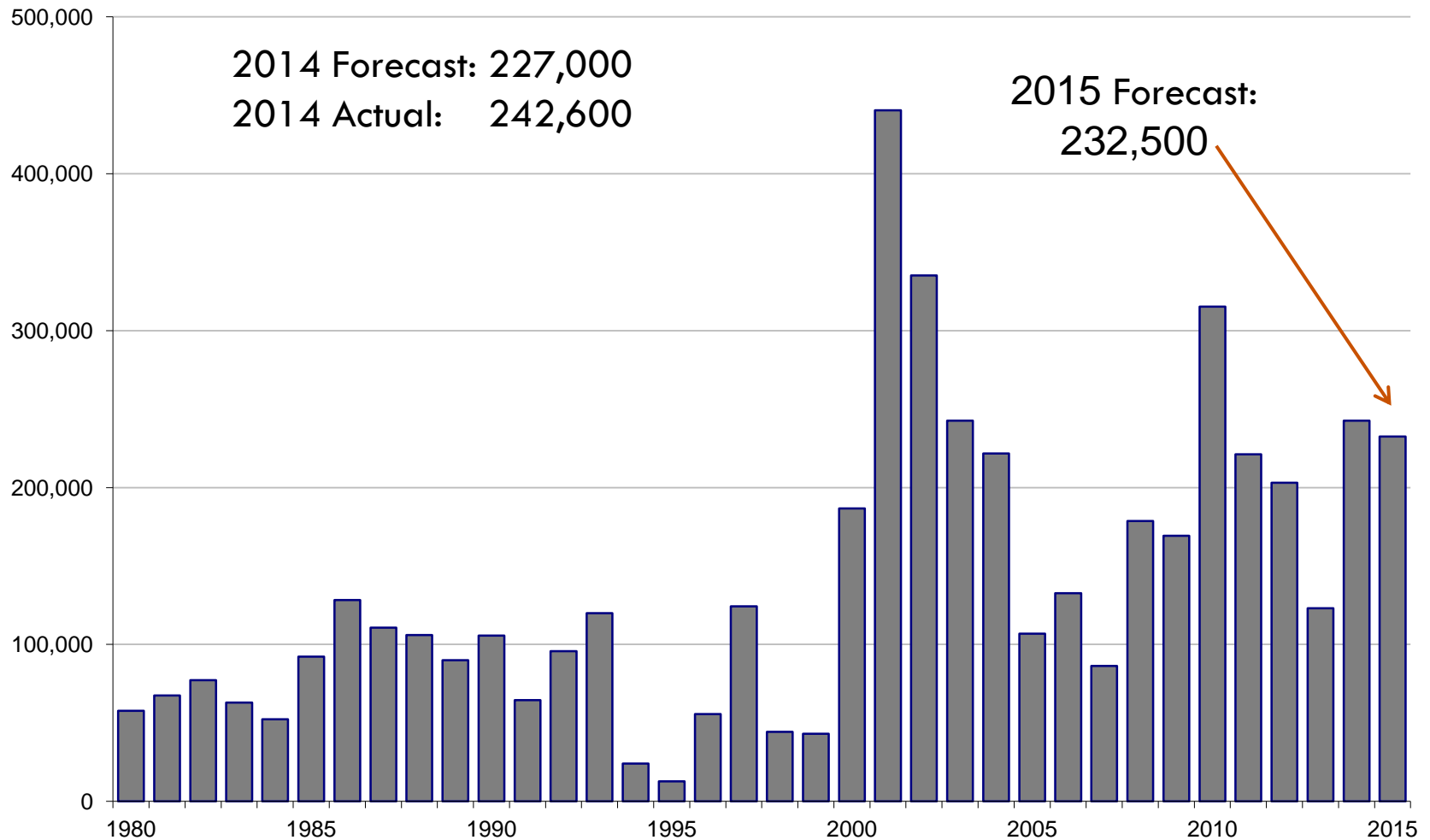
3

- Henry Yuen – USFWS
- Stuart Ellis – CRITFC
- Lytle Denny – SBT
- David Evans – SBT
- Roger Dick Jr. - YN
- Steve Parker – YN
- Joe Oatman – NPT
- Preston Bronson – CTUIR
- Mark Manion – CTWS
- Enrique Patino – NMFS

- Jeremy Jording - NMFS
- Peter Dygert – NMFS
- Robin Ehlke – WDFW
- Cindy LeFleur – WDFW
- Ron Roler – WDFW
- Alan Byrne – IDFG
- Sam Sharr – IDFG
- John North – ODFW
- Jeff Whisler – ODFW
- Kathryn Kostow – ODFW

Total Upriver Spring Chinook

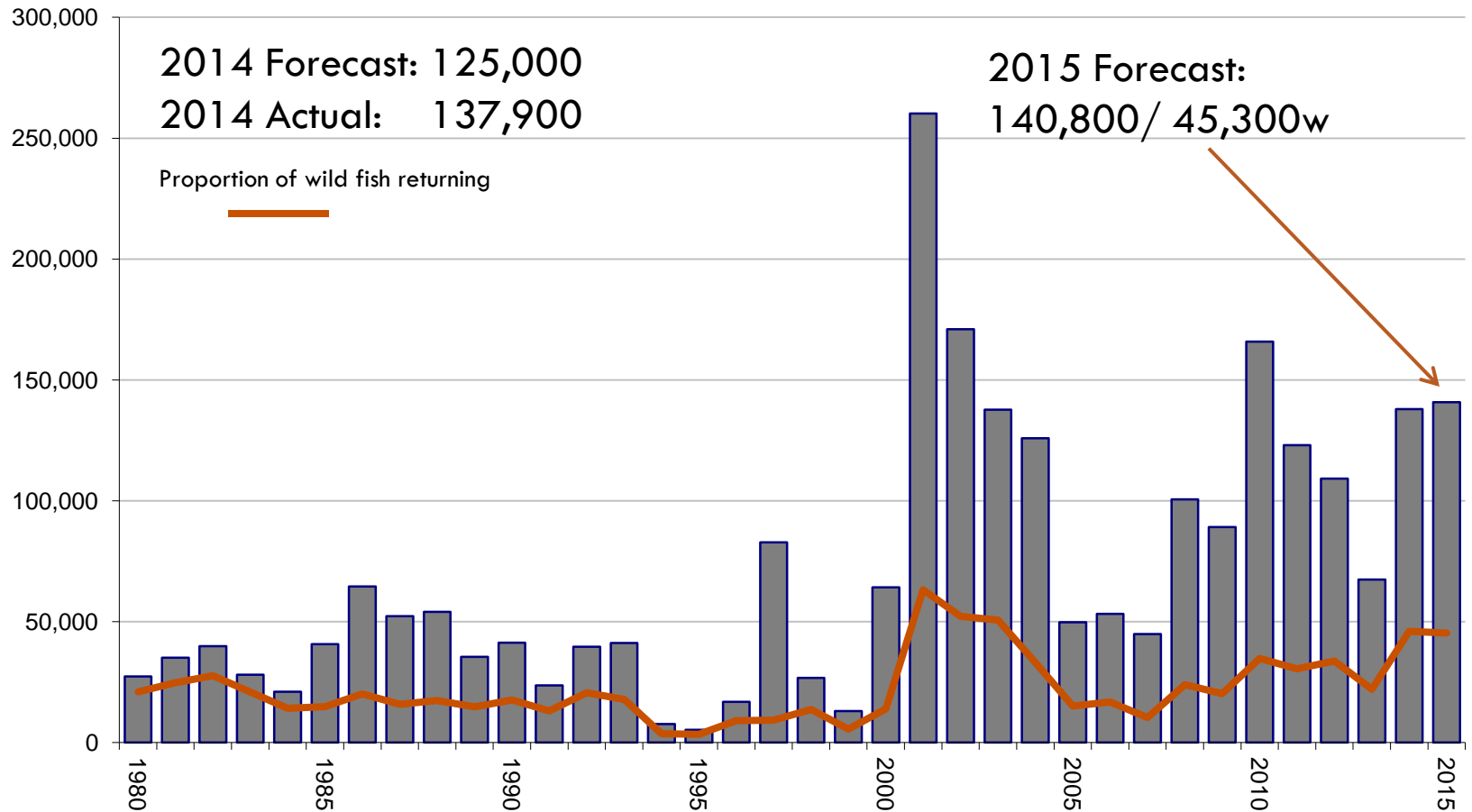
4



Snake River Spring/Summer Chinook

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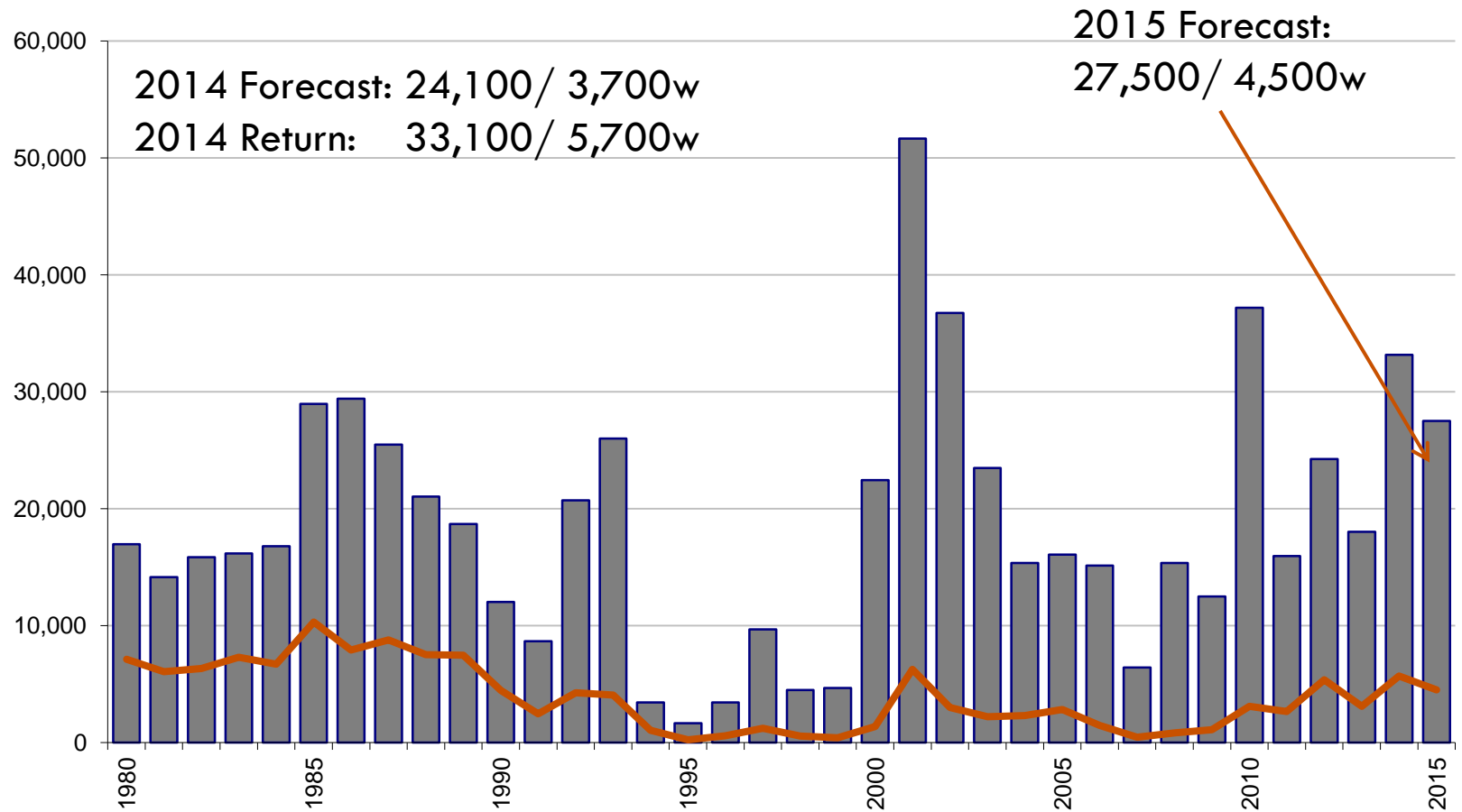
Total # of fish returning to the mouth of the Columbia River



Upper Columbia Spring Chinook

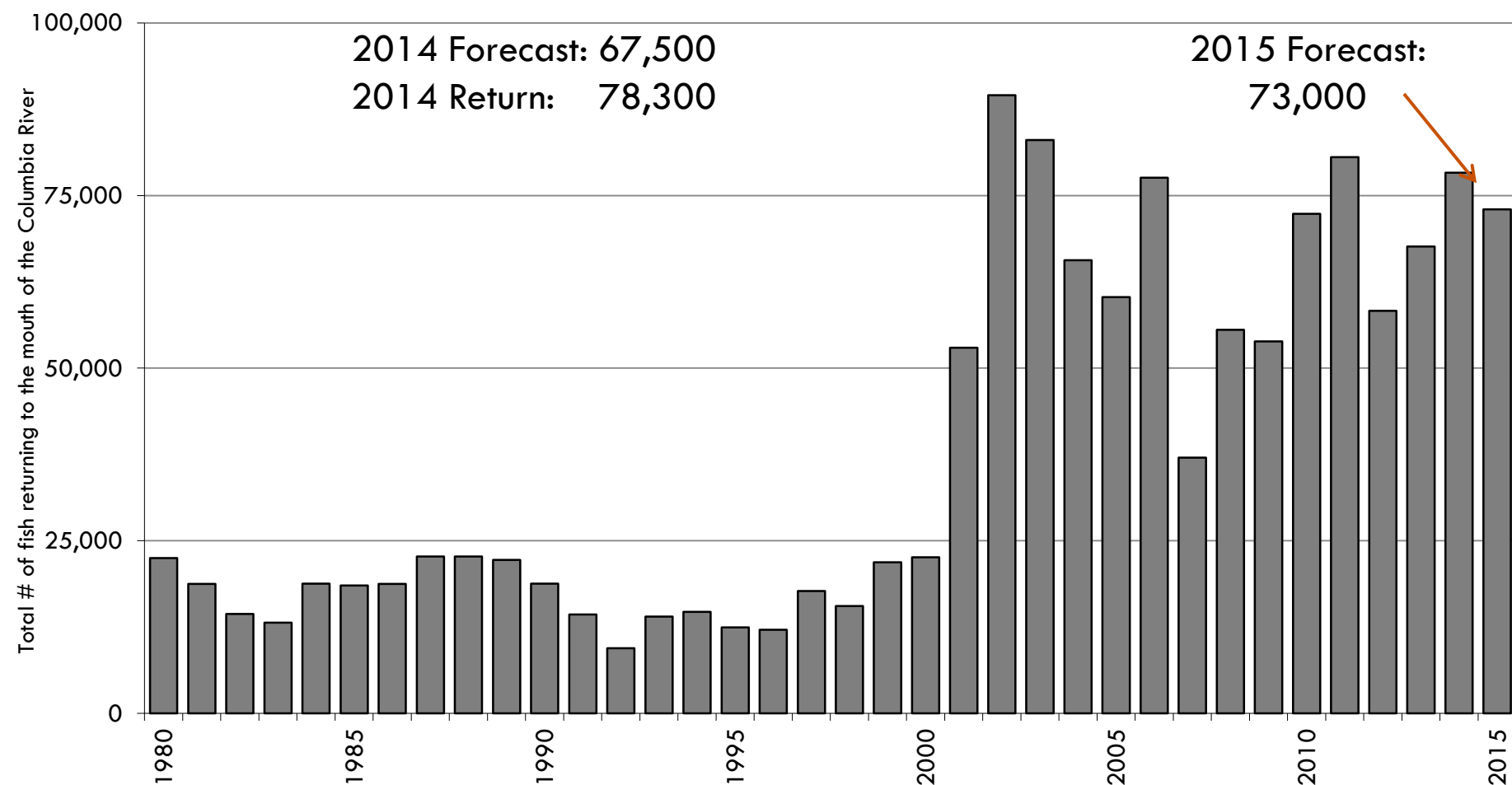
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Total # of fish returning to the mouth of the Columbia River



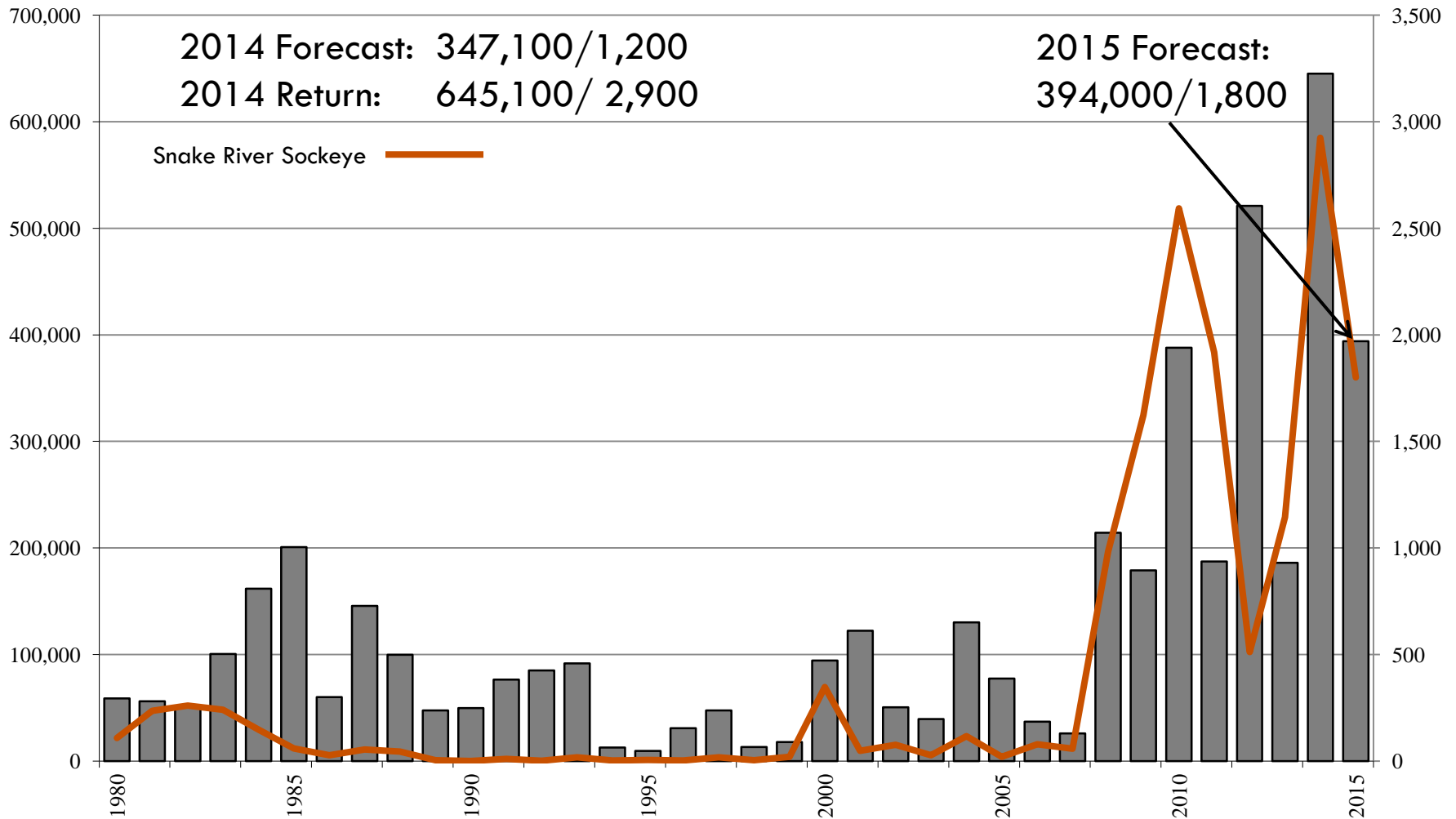
Upper Columbia Summer Chinook

7



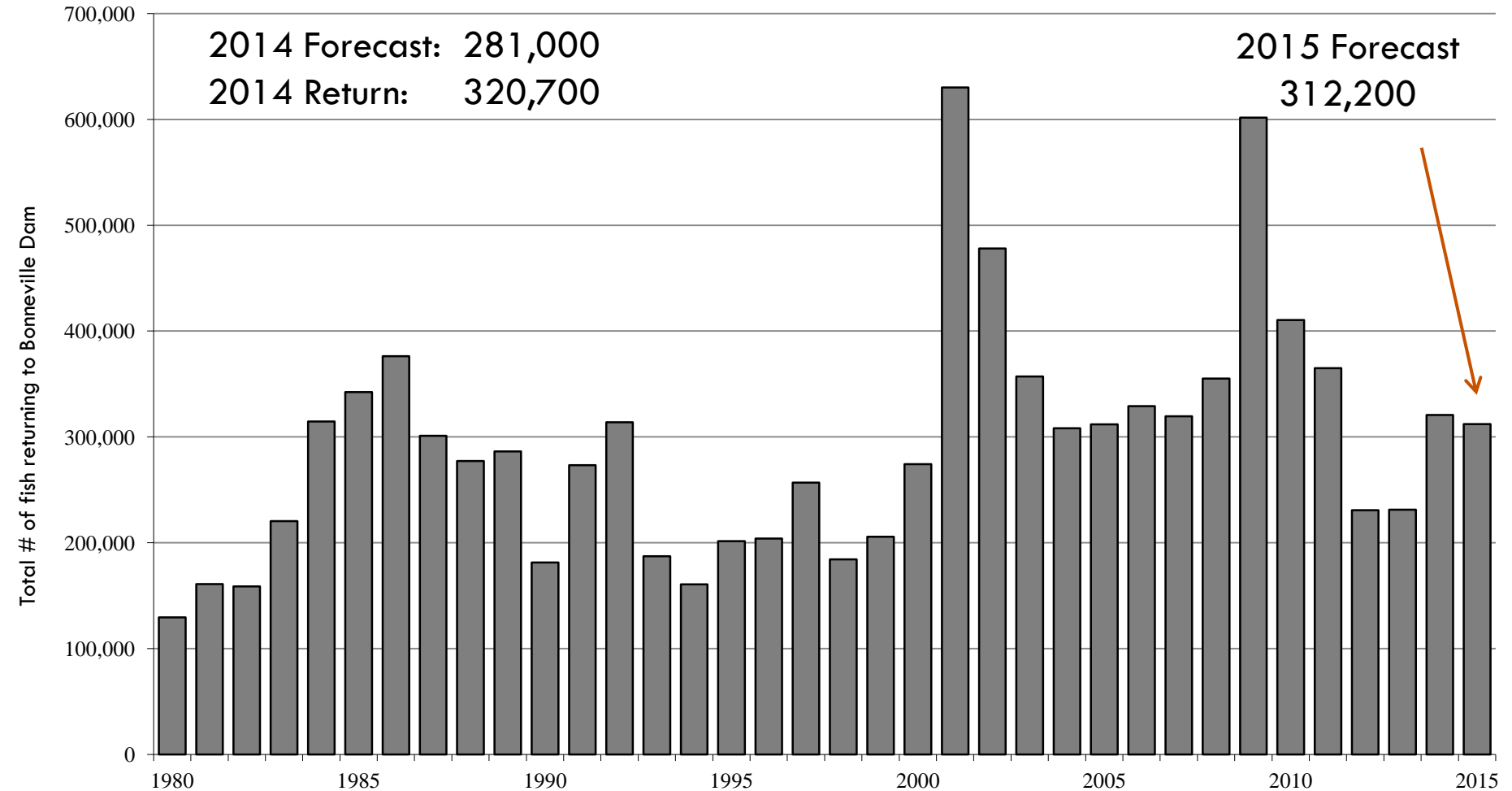
Columbia River Sockeye

8



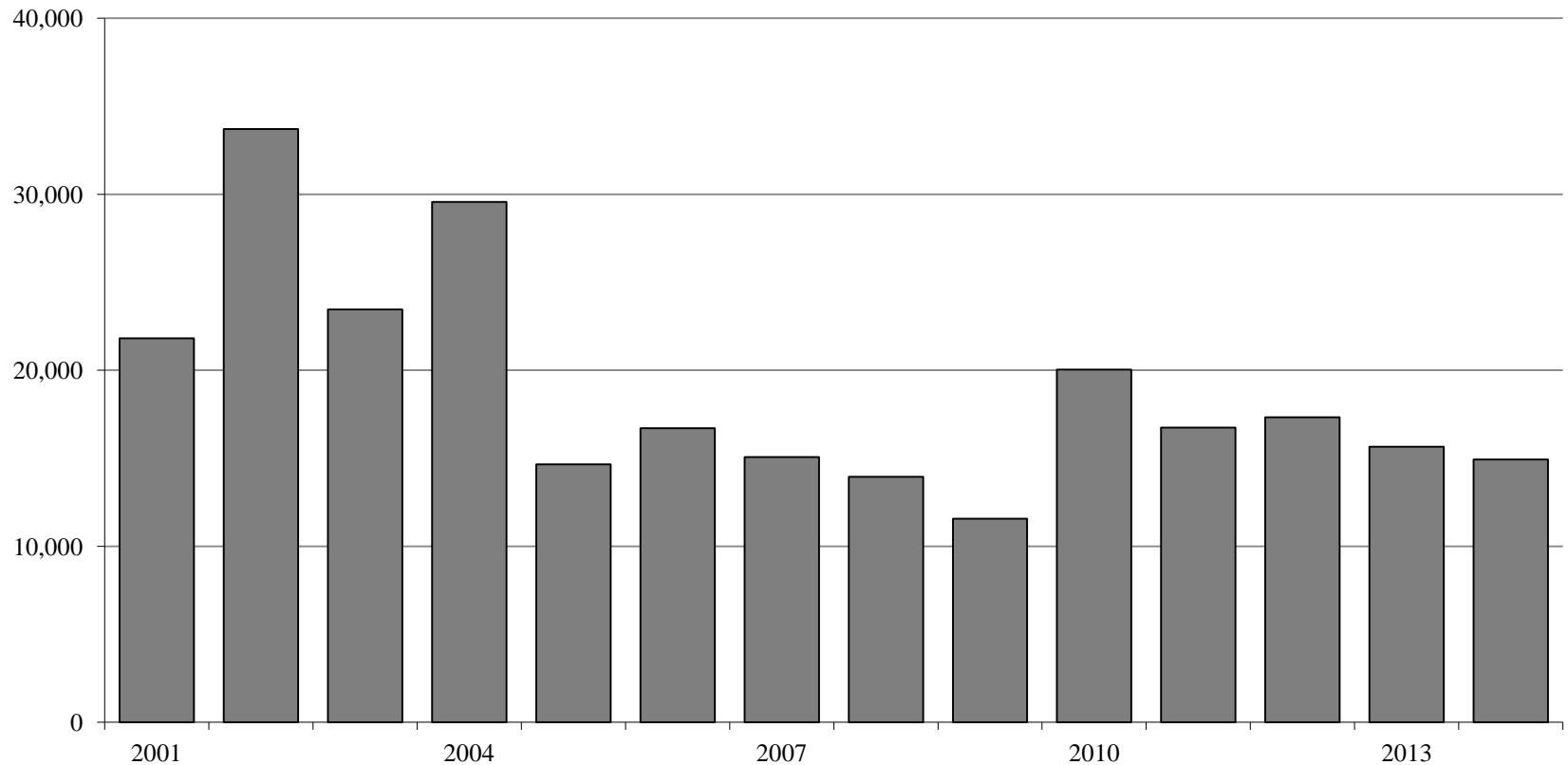
Upriver Summer Steelhead

9



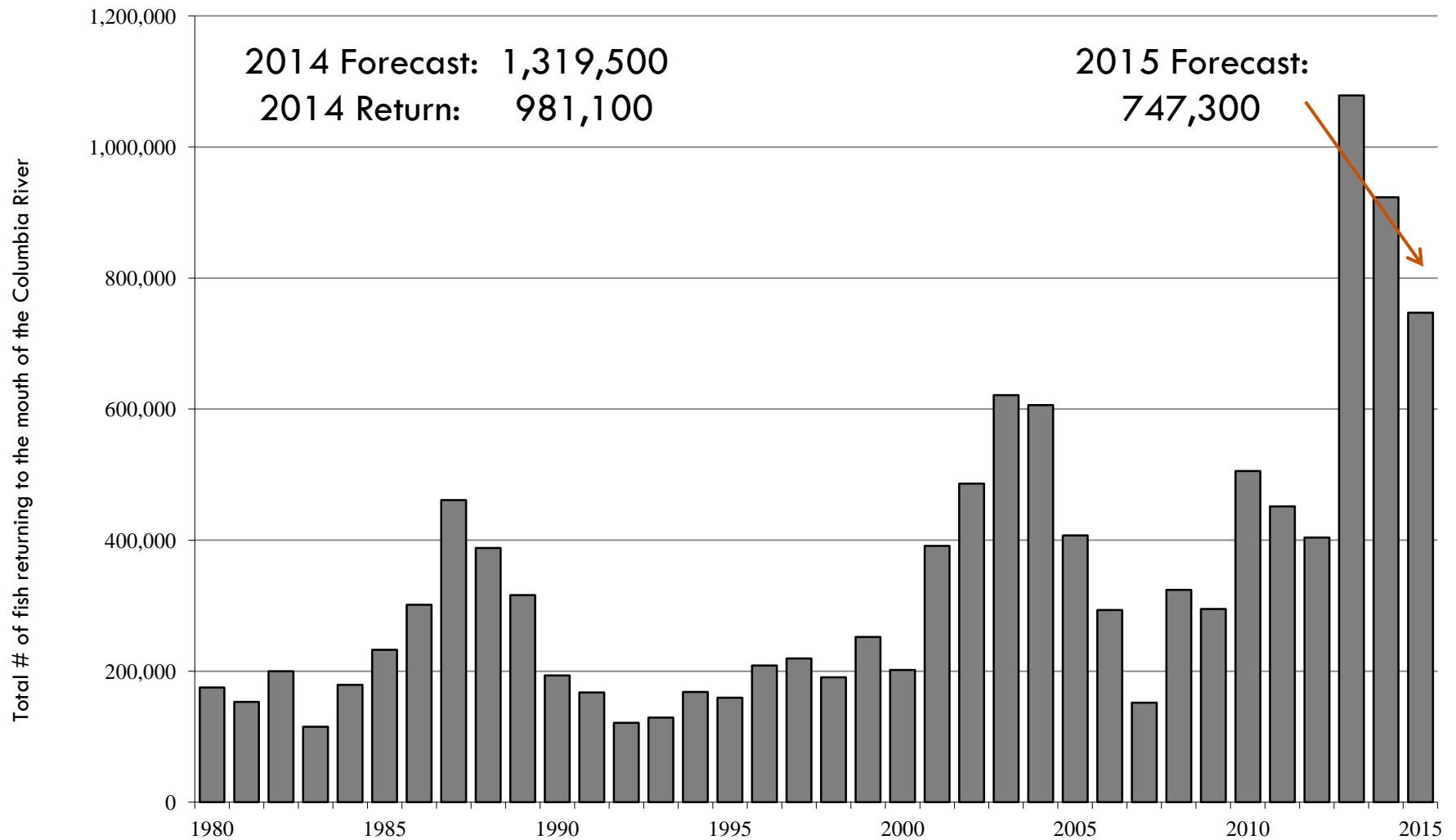
Wild Winter Steelhead

10



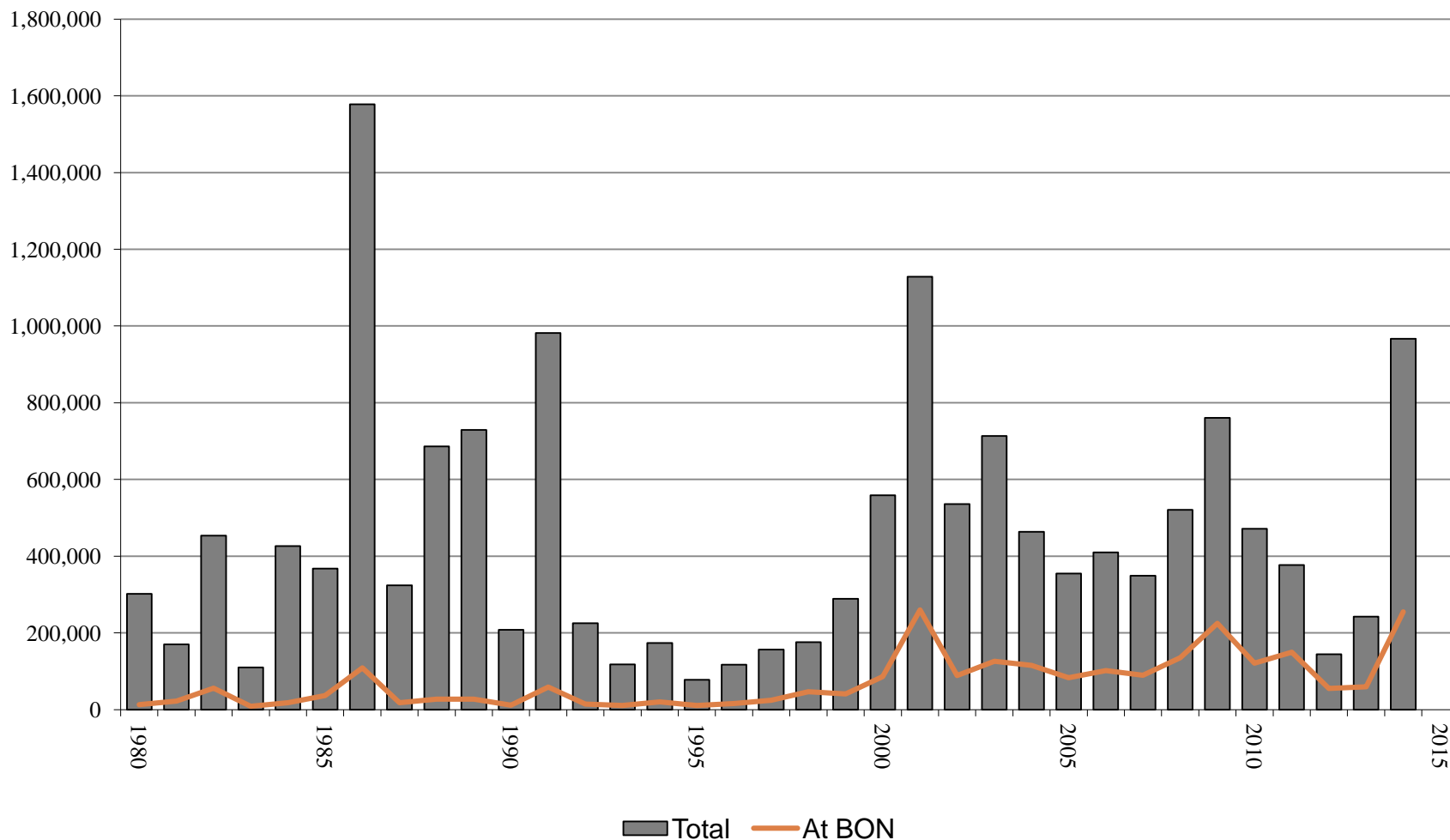
Upriver Fall Chinook

11



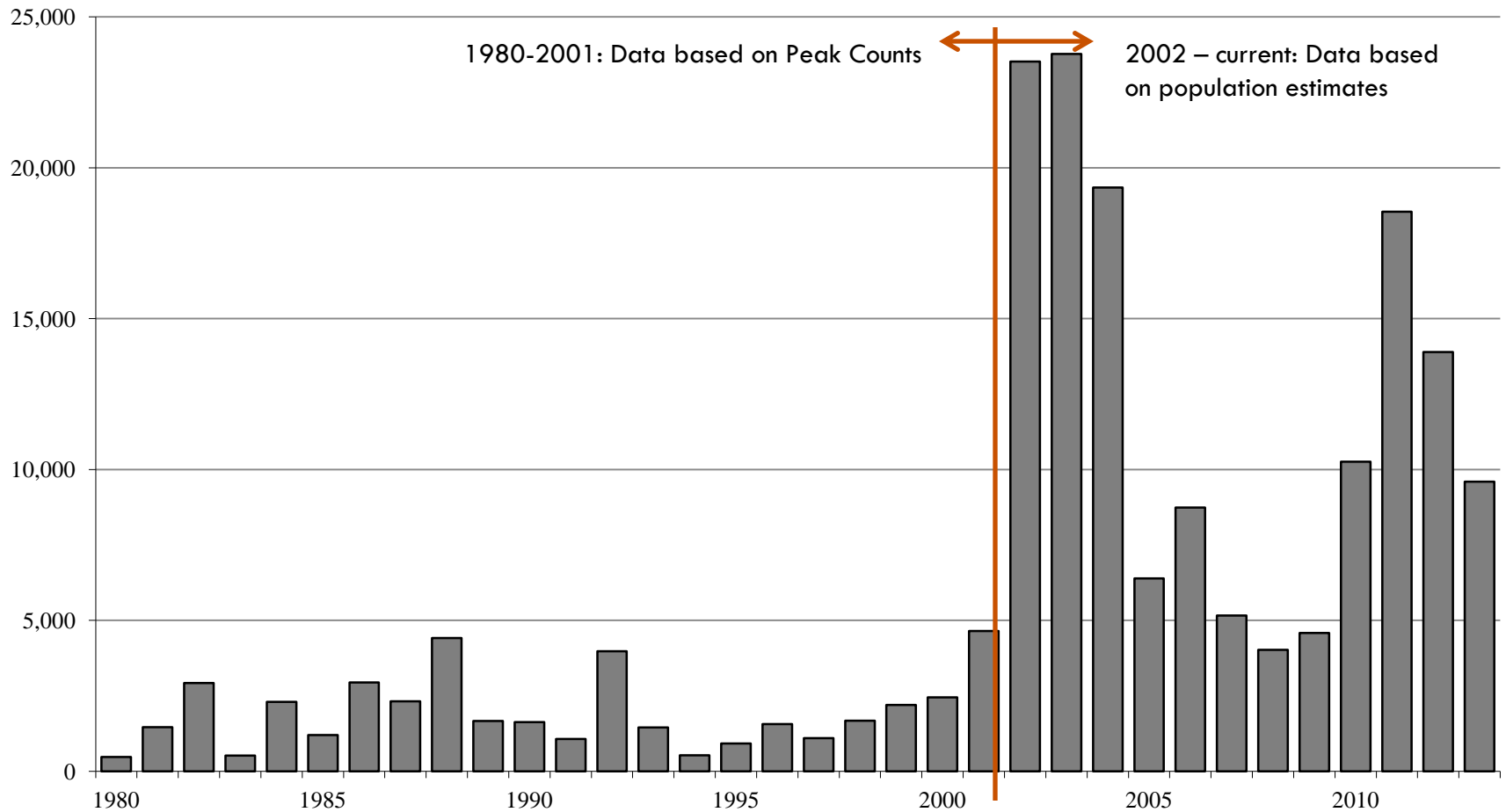
Upriver Coho at Bonneville Dam

12



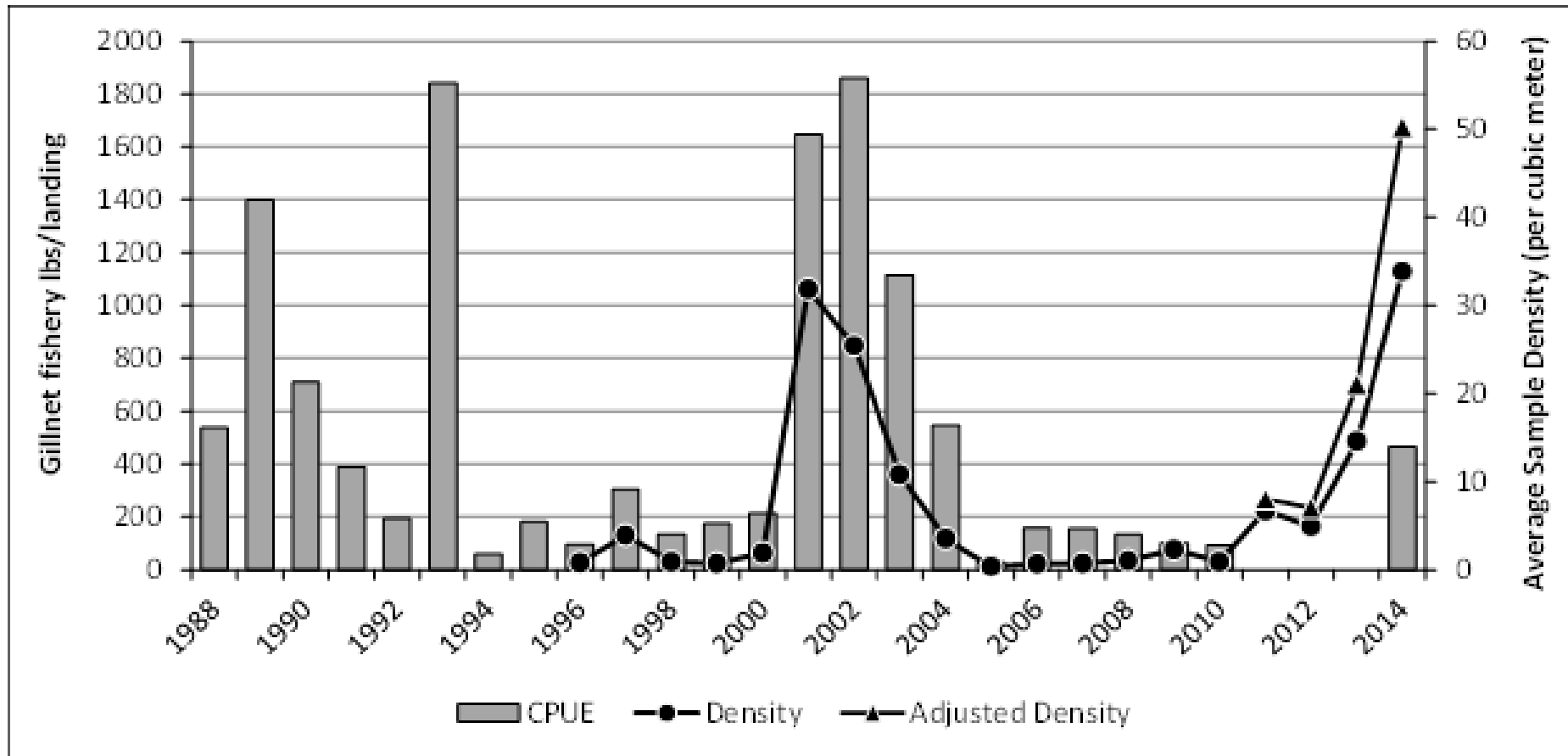
Columbia River Chum

13



Smelt

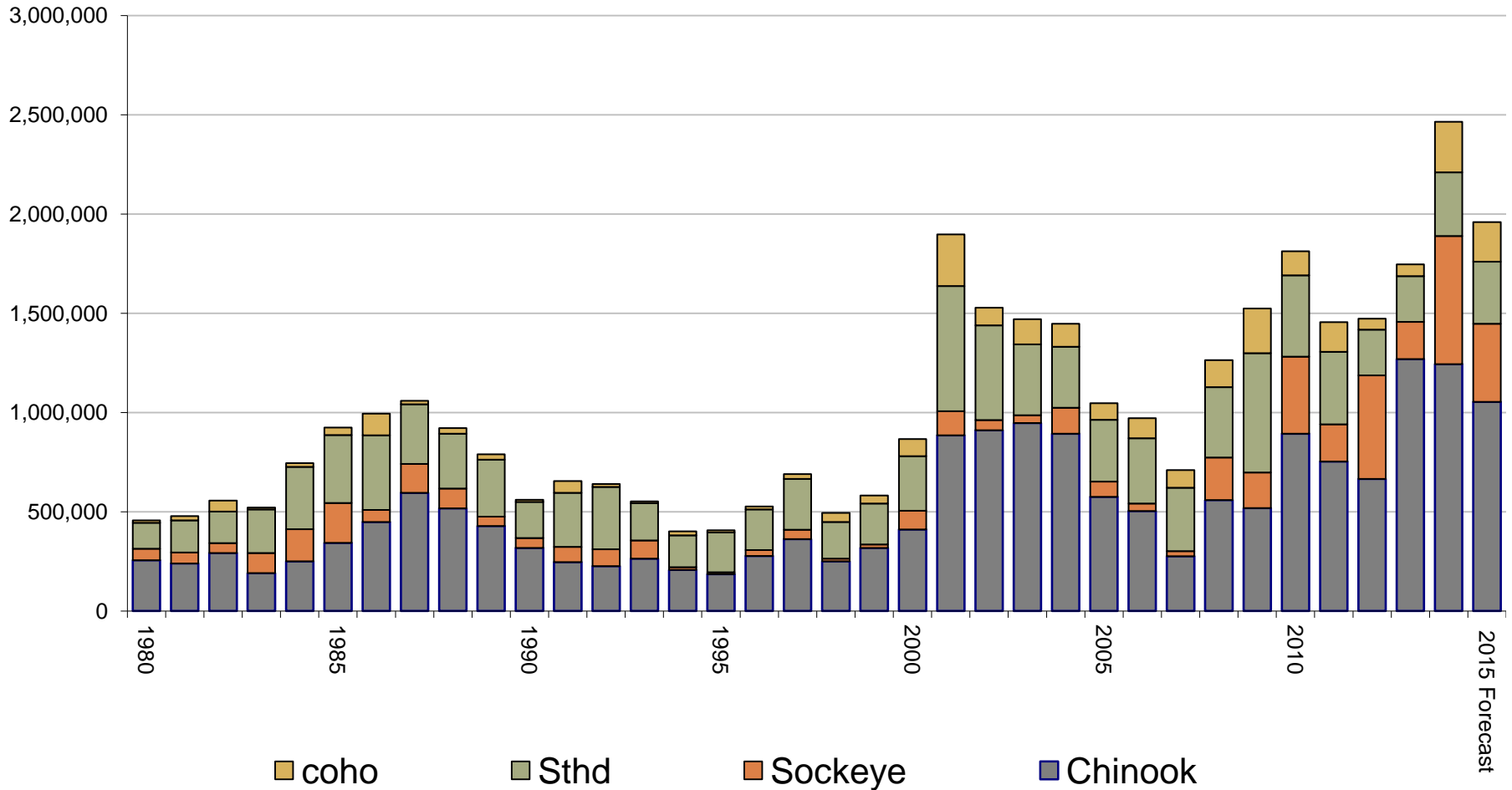
14



TOTAL return of UPRIVER Salmonid stocks

Returning to the Columbia River

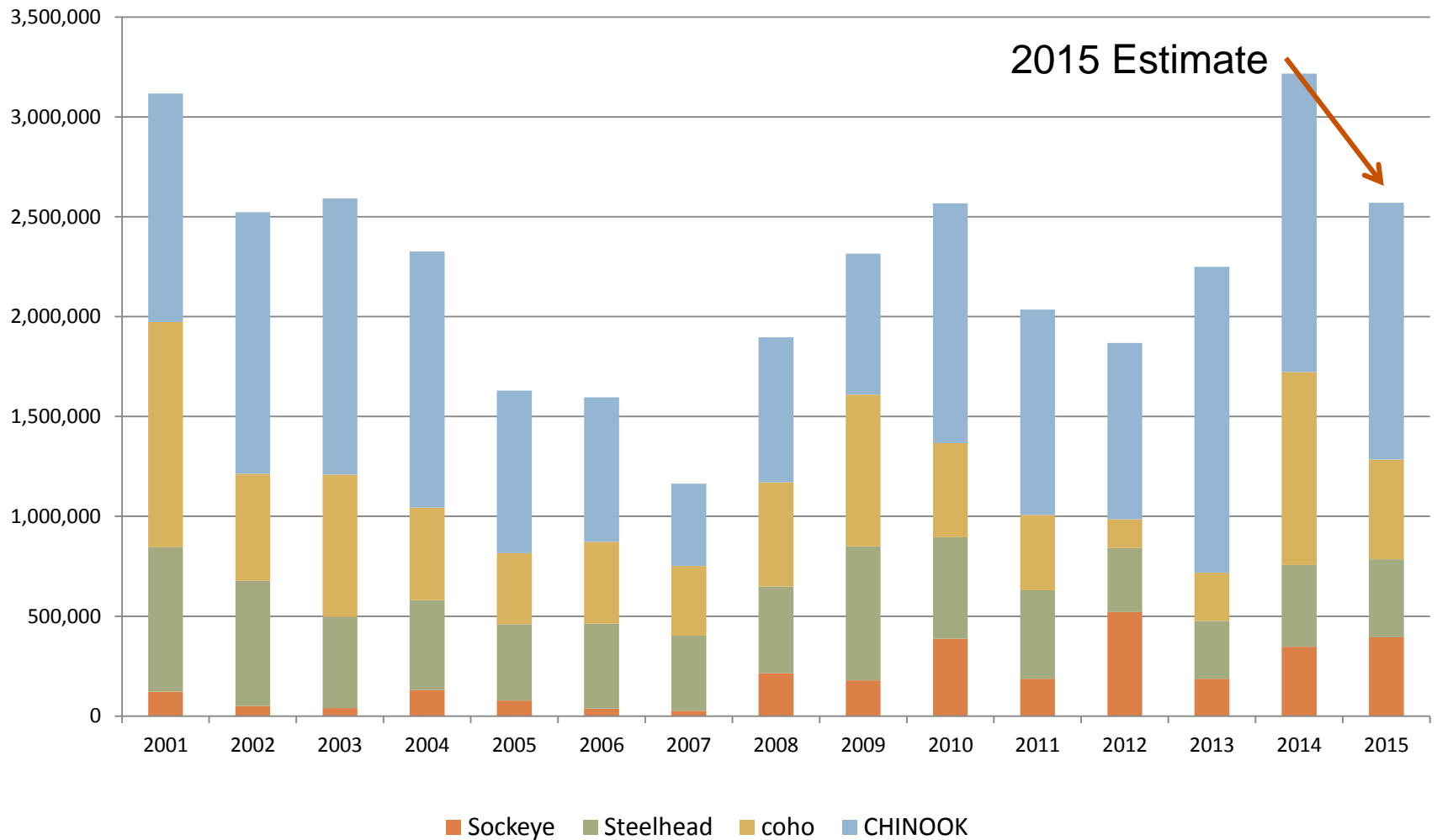
15



TOTAL return of ALL Salmonid stocks

Returning to the Columbia River*

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2014 Treaty Indian Fisheries

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Landed fish are either kept for ceremonial and subsistence (C&S) purposes, or sold commercially.

- ▣ Spring Chinook –
 - ▣ 25,000 fish
- ▣ Summer Chinook –
 - ▣ 19,000 fish
- ▣ Sockeye –
 - ▣ 31,000 fish
- ▣ Summer Steelhead –
 - ▣ 9,000 in summer
 - ▣ 25,000 in fall
 - ▣ 34,000 TOTAL
- ▣ Fall Chinook –
 - ▣ 273,000
- ▣ Coho –
 - ▣ 39,000

2014 Non-Indian Commercial Fisheries

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MAINSTEM FISHERIES

- ▣ Spring Season –
 - 3,600 hatchery Chinook
 - 5 periods (51 hrs total)
- ▣ Summer Season –
 - 2,700 Chinook/ 300 sockeye
 - 5 periods (56 hrs total)
- ▣ Fall Season –
 - 102,000 Chinook
 - 73,000 Coho
 - Pilot seine research fishery:
 - Additional 2,800 Chinook and 1,000 Coho

SELECT AREA FISHERIES

- ▣ Spring Season
 - 2,800 Chinook
- ▣ Summer Season
 - 1,800 Chinook
- ▣ Fall Season
 - 24,000 Fall Chinook
 - 168,000 Coho !

2014 Non-Indian Sport Fisheries

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▣ Spring Chinook

■ Below Bonneville:

- 145,600 angler trips
- 15,700 hatchery fish kept

■ Bonneville to WA/OR border:

- 8,000 angler trips
- 2,100 hatchery fish kept

■ Snake River (WA waters):

- 1,500 hatchery fish kept

▣ Summer Season

■ Below Bonneville:

- 53,700 angler trips
- 2,000 hatchery Chinook
- 7,000 steelhead
- 900 sockeye

■ Bonneville - Priest Rapids:

- 400 hatchery Chinook
- 700 sockeye

■ Priest Rapids – Chief Joseph:

- 2,200 hatchery Chinook
- 30,700 sockeye

▣ Fall Season

■ Buoy 10:

- 107,700 angler trips
- 26,800 Chinook
- 57,600 coho

■ Below Bonneville:

- 143,900 angler trips
- 26,300 Chinook
- 5,800 coho
- 6,400 hatchery steelhead

■ Hanford Reach:

- 44,000 angler trips
- 27,000 Chinook

Questions?

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