

Director's Report



*Washington
Department of*
**FISH and
WILDLIFE**

2012 NOF Meeting Schedule

Date	Purpose	Place
March 3 - 7 Saturday - Wednesday	Pacific Fishery Management Council	Sacramento, California
March 12 - Monday 9:00 am - 3:00pm	1st North of Falcon General Statewide Discuss statewide conservation issues & salmon fishing opportunities	Natural Resources Building Olympia
March 13 Monday	Willapa Bay Fisheries Discussion	Raymond Elks Lodge
March 14 - Monday 9:00 am - 3:00pm	Columbia River Regional Fisheries Discussion	Vancouver Water Resources Education Center
March 15 - Thursday 6 - 8 pm	Puget Sound Salmon Fisheries Discussion	City Hall Council Chamber - 321 E. 5th Street Port Angeles
March 20 Tuesday 10am - Noon	Puget Sound Commercial Fisheries	WDFW Mill Creek Office
March 20 Tuesday 6:00pm - 8:00pm	Grays Harbor Fisheries Discussion	Montesano City Hall

2012 NOF Meeting Schedule

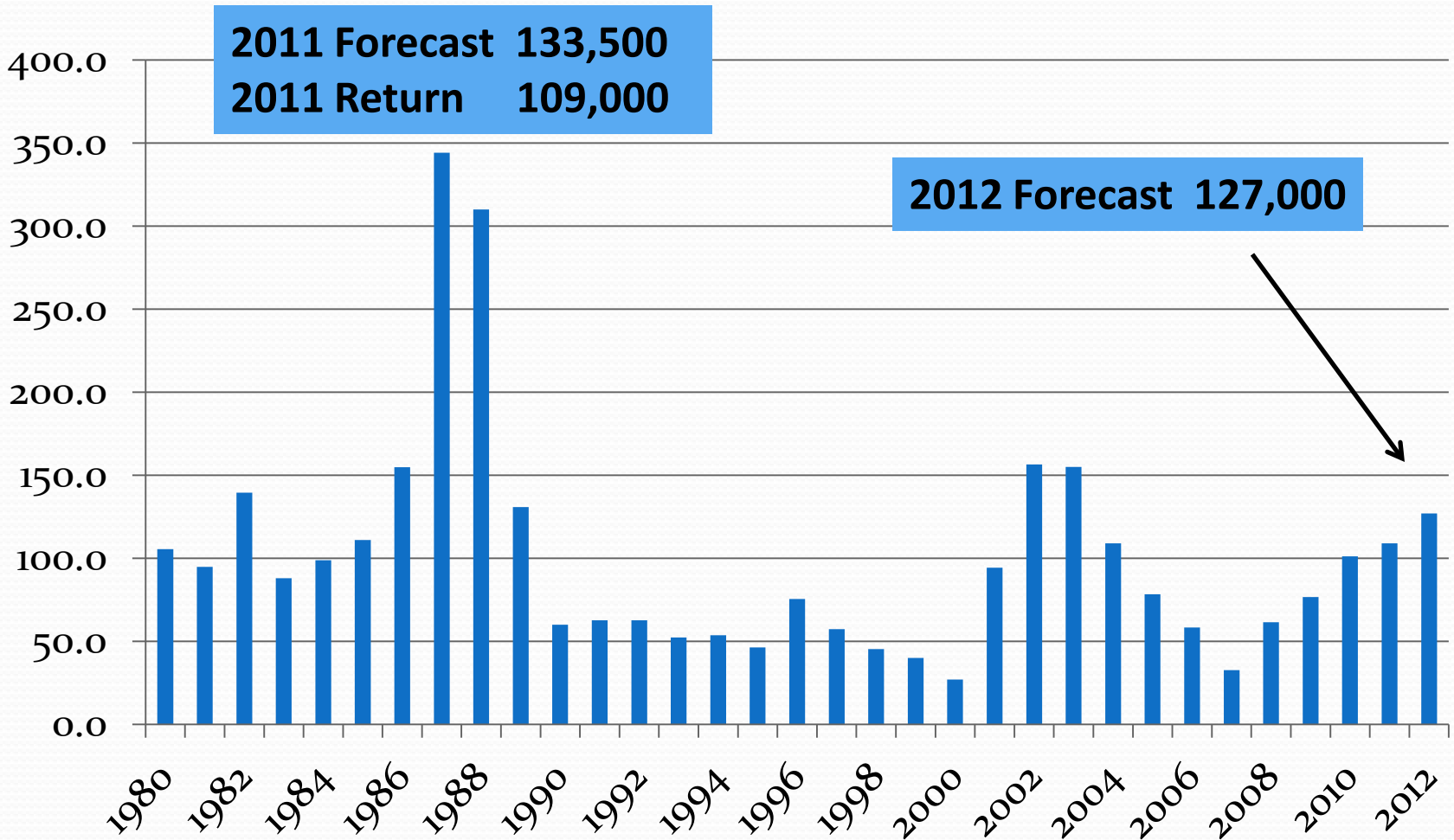
Date	Purpose	Place
March 21 Wednesday 6:00pm – 9:00pm	Eastern Washington Regional Fisheries Discussion	Benton Co. PUD Auditorium Kennewick, WA
March 24 Saturday 10am - Noon	Puget Sound Fisheries Discussion	WDFW Mill Creek Office
March 26 Monday 9:00 am – 2:00 pm	North of Falcon #2 – Columbia River & Ocean Fisheries	Natural Resources Building Olympia
March 28 Wednesday 9:00 am – 5:00 pm	North of Falcon #2 – Puget Sound Fisheries	Lynnwood Embassy Suites 20610 44th Ave West
March 30 Saturday 9 am-5 pm	Final Grays Harbor/ Willapa Bay Fisheries Discussion	Natural Resources Building Olympia
April 1 - 6 Sunday-Friday	PFMC & North of Falcon - Final Decisions Made -	Seattle Downtown Sheraton Hotel

2012

Columbia River Forecasts



Lower River Hatchery (LRH) Fall Chinook



LCN Tule Exploitation Rate Matrix

LRH Run Size

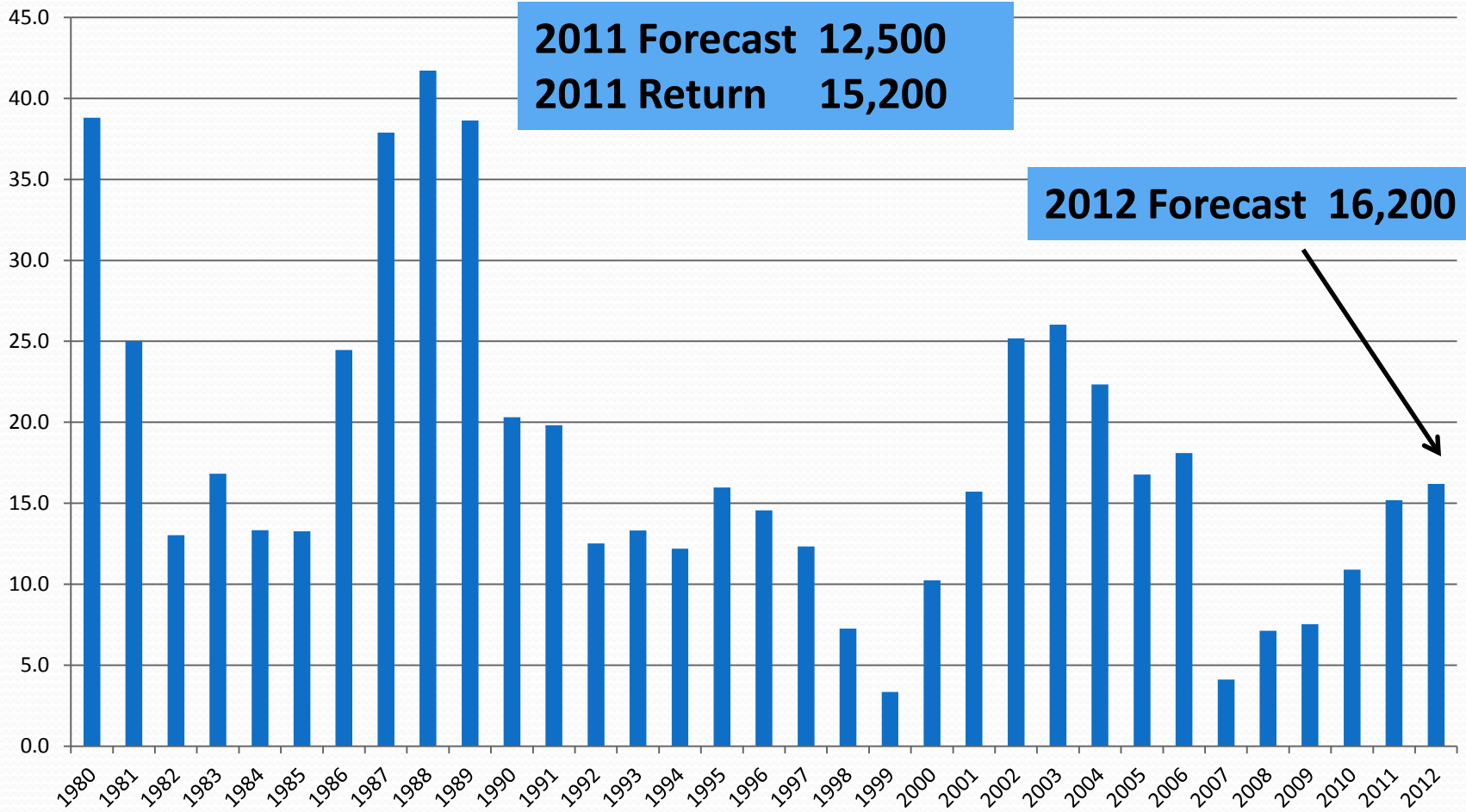
- <30,000
- 30,000 – 40,000
- 40,000 – 85,000
- >85,000



LCN ER

- 30%
- 35%
- 38%
- 41%

Lower River Wild (LRW) Fall Chinook



Stocks Originating Above Bonneville Dam

Upriver Bright URB



Klickitat Hatchery

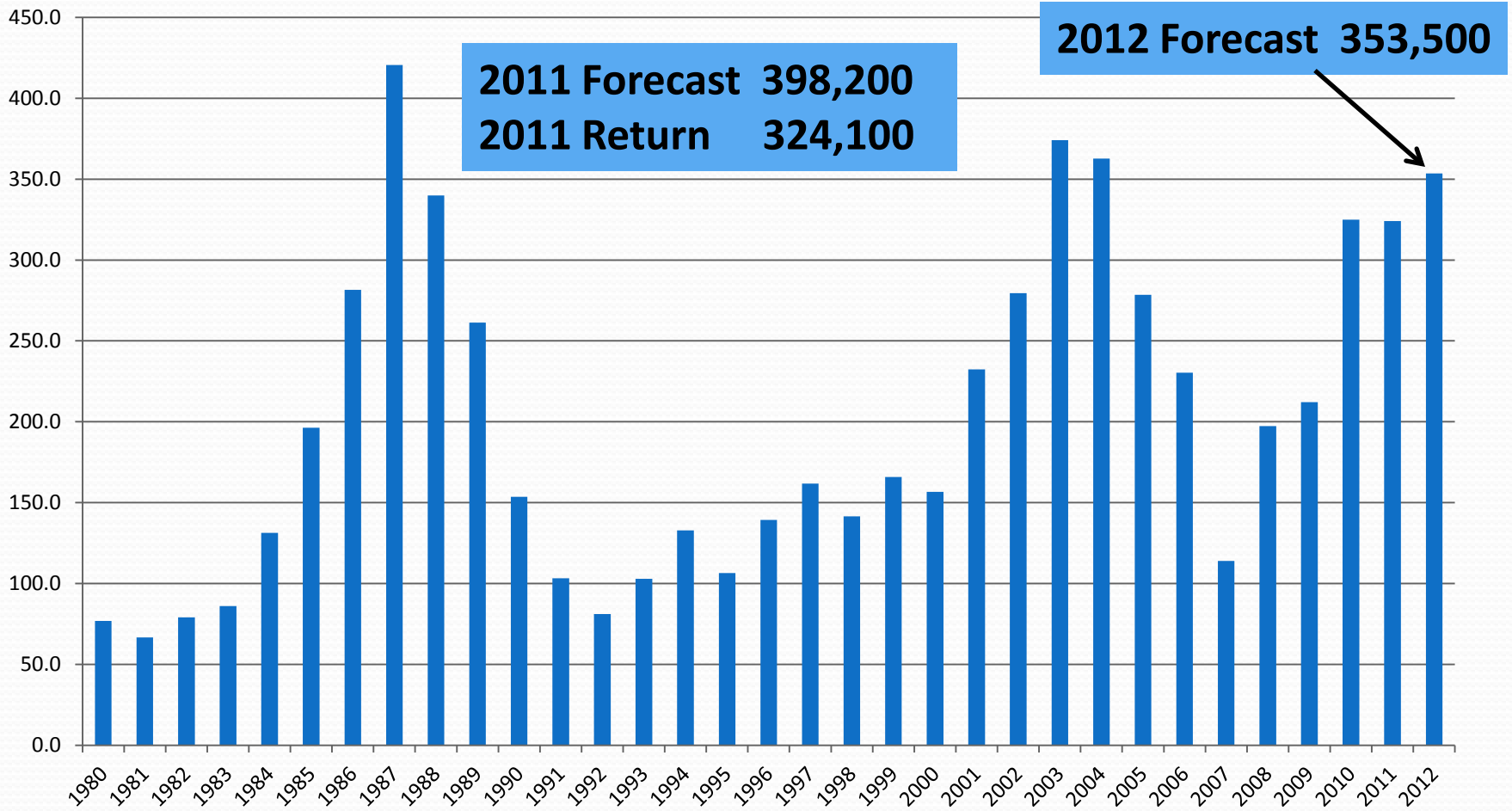
Pool Upriver Bright
PUB



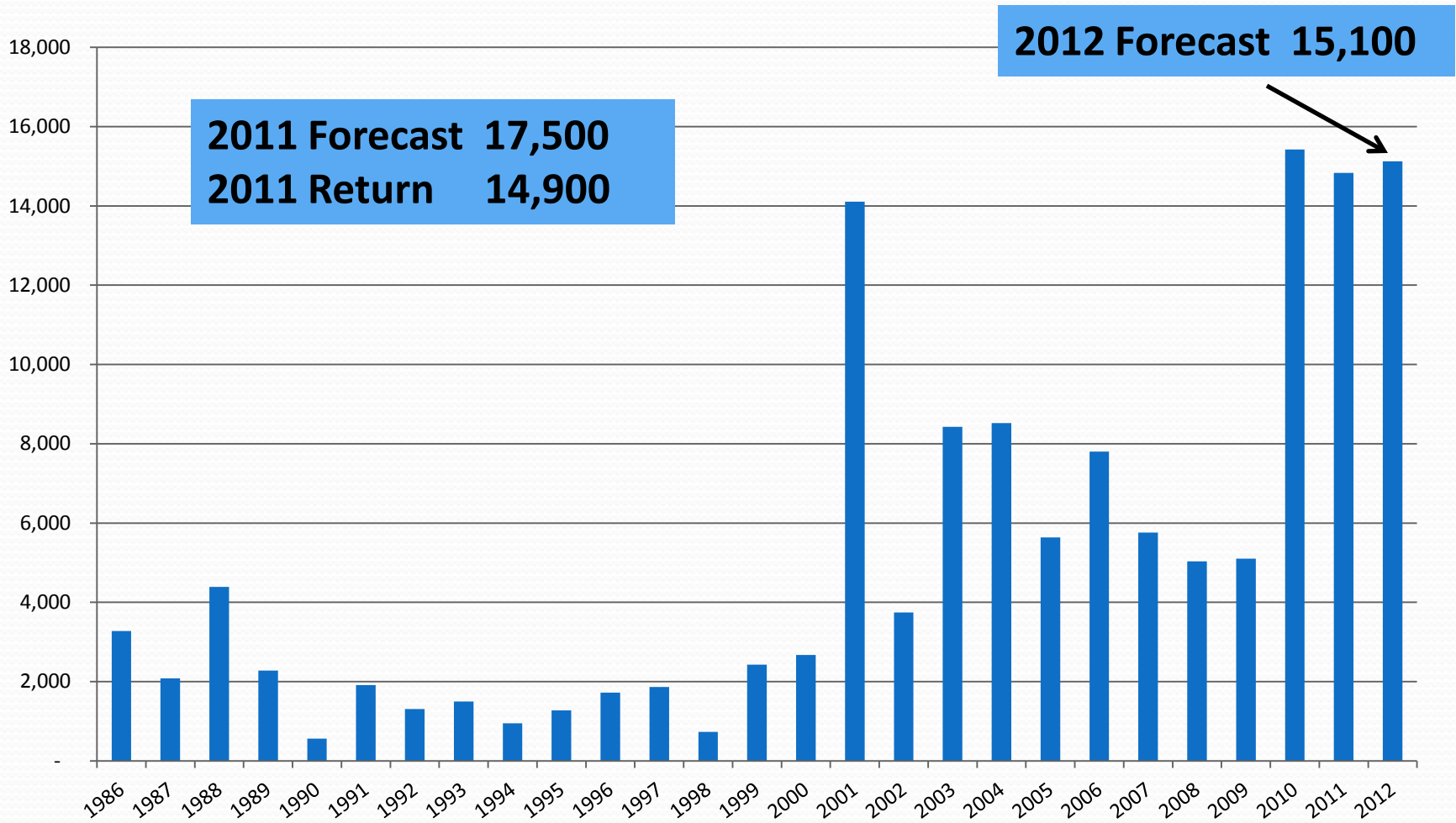
Photo by USFWS Pacific

Bonneville Pool Hatchery
BPH

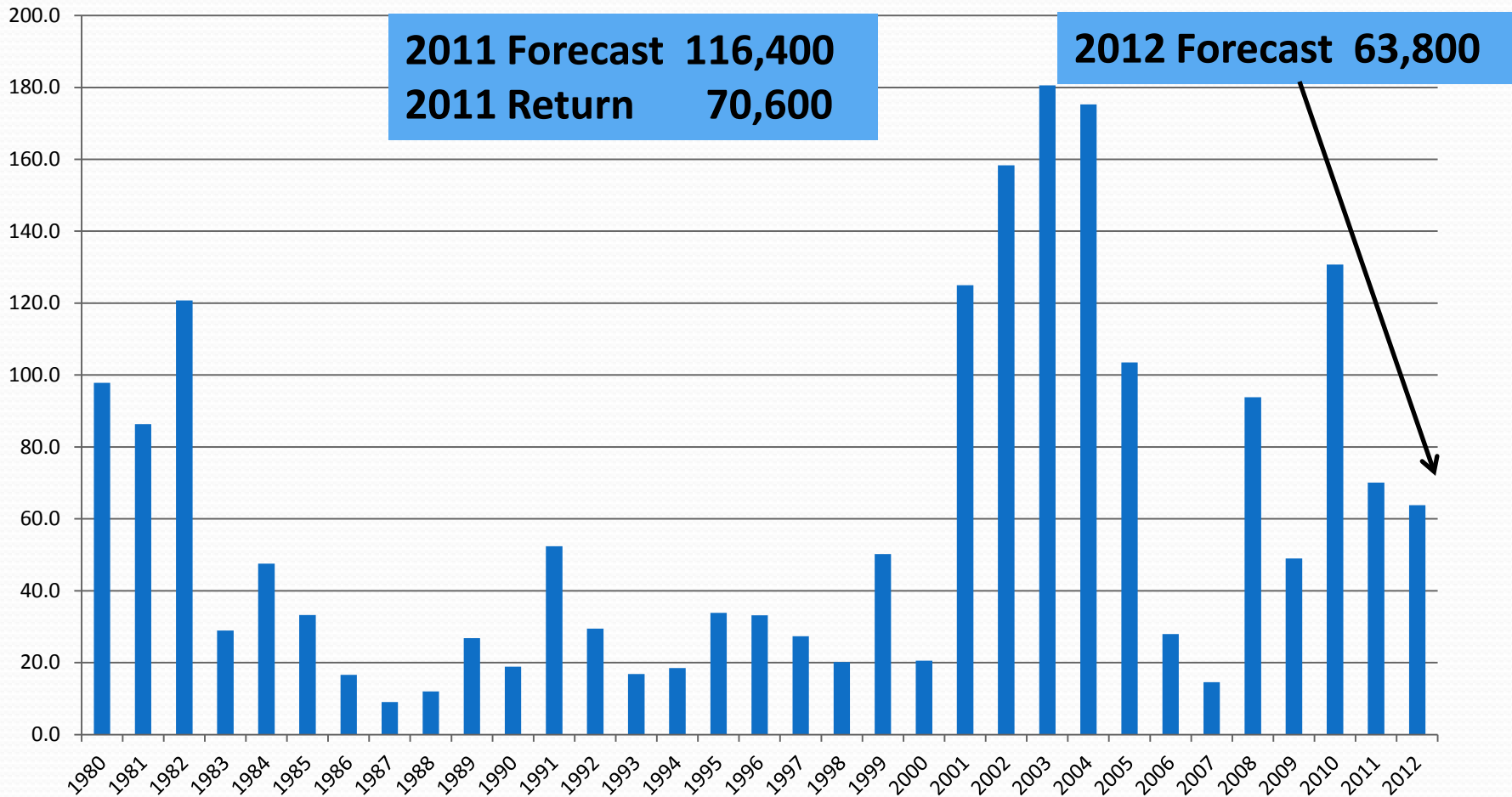
Upriver Bright (URB) Fall Chinook



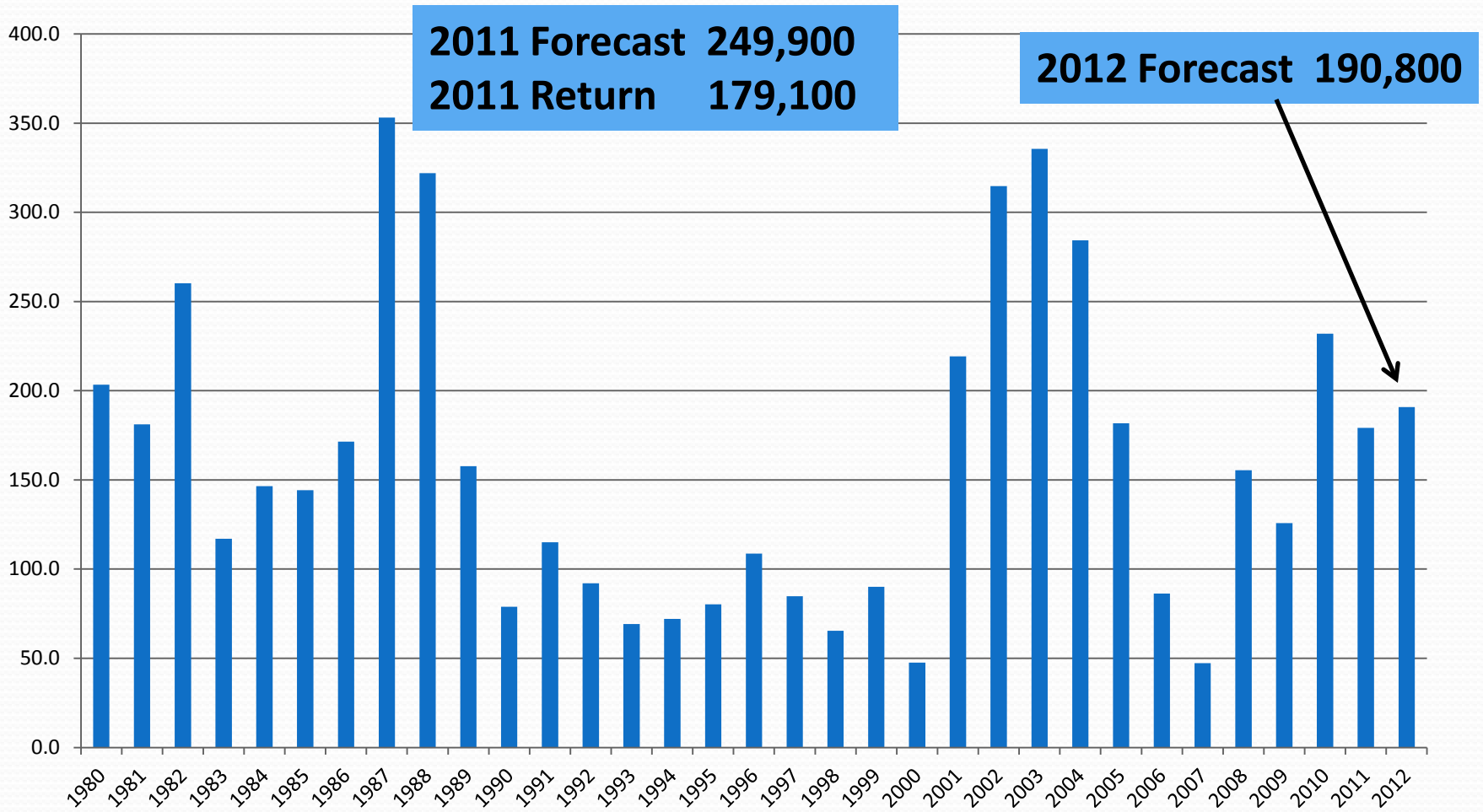
Snake River Wild (SRW)



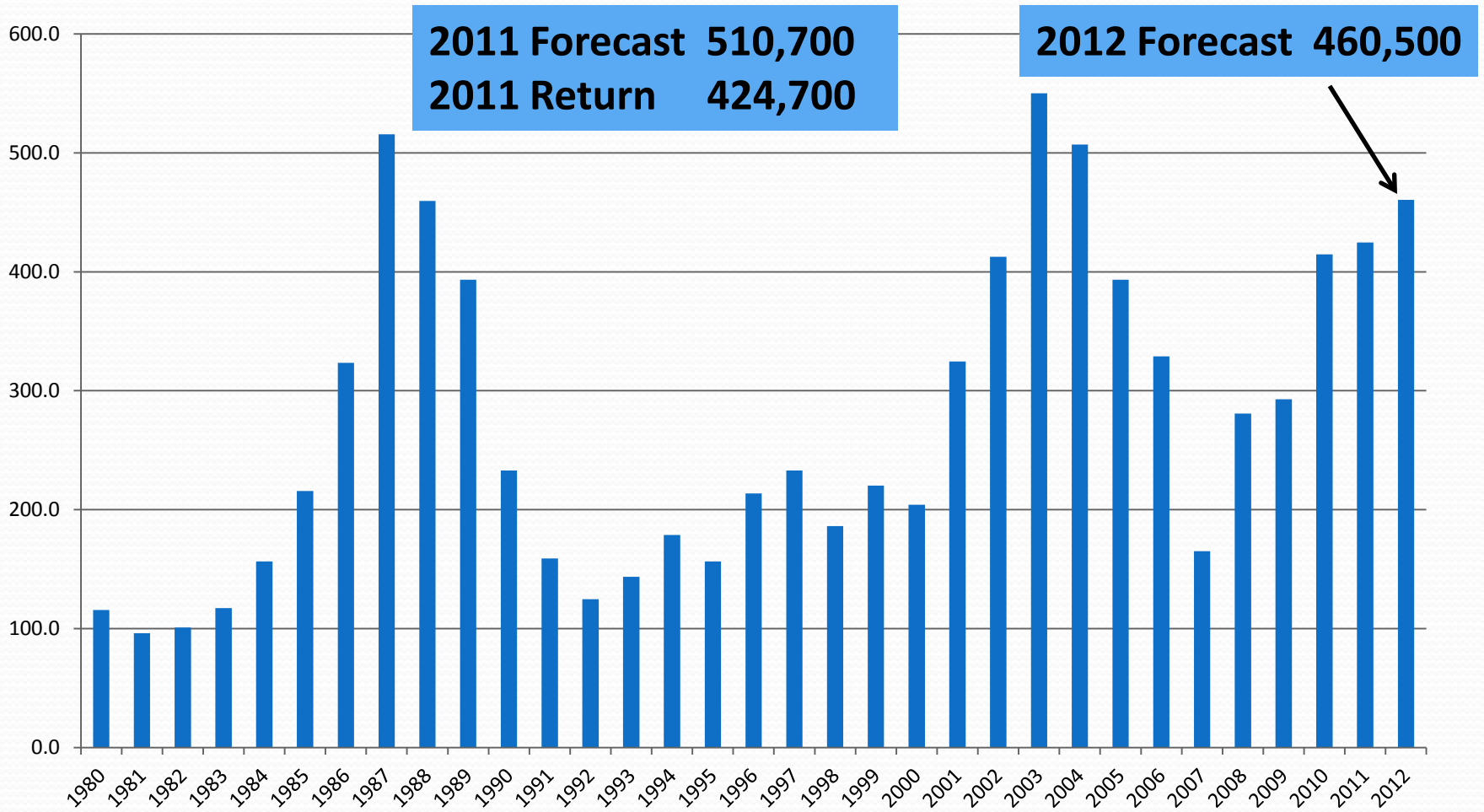
Bonneville Pool Hatchery (BPH) Fall Chinook



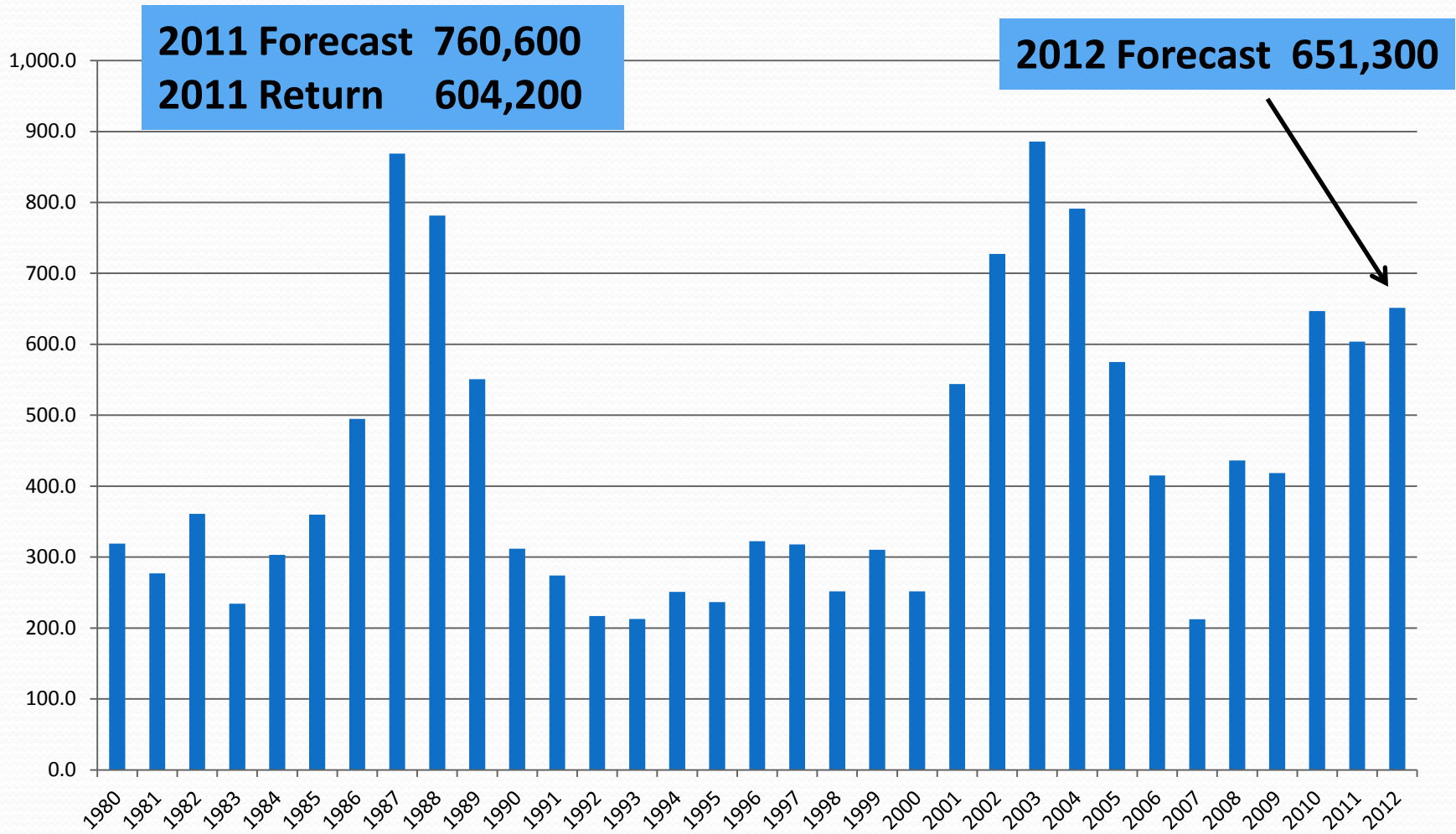
Total Tule Fall Chinook



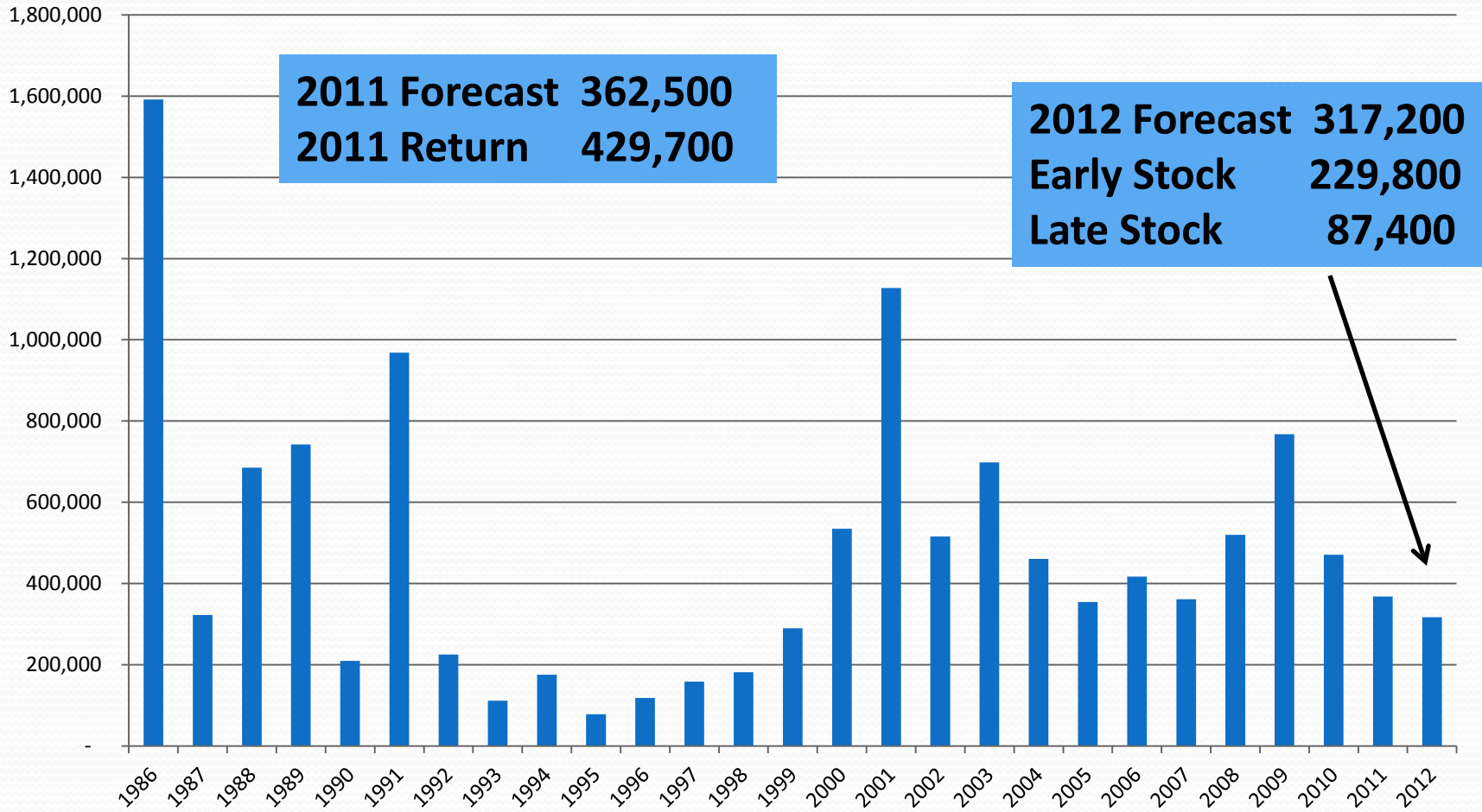
Total Bright Fall Chinook



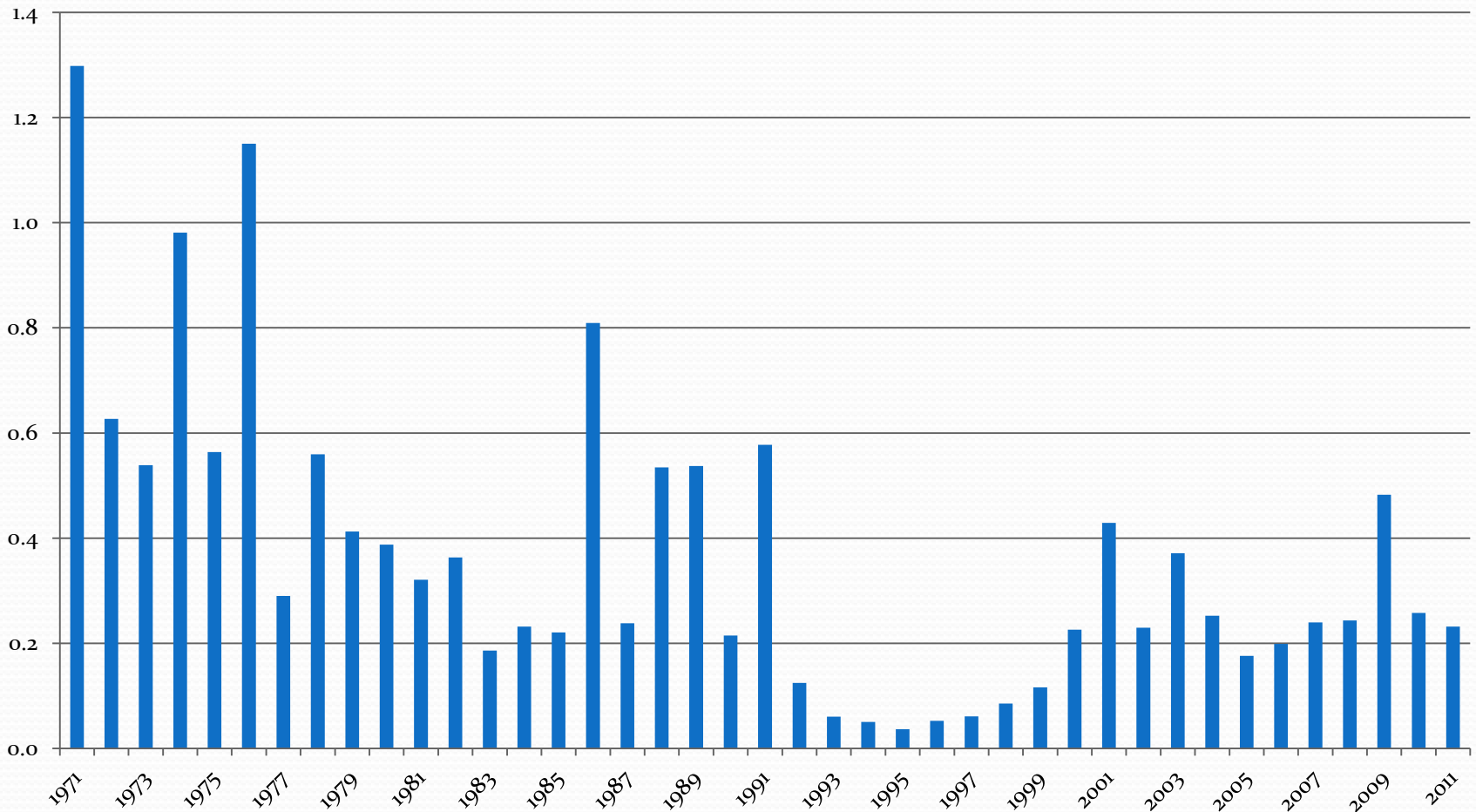
Total Fall Chinook



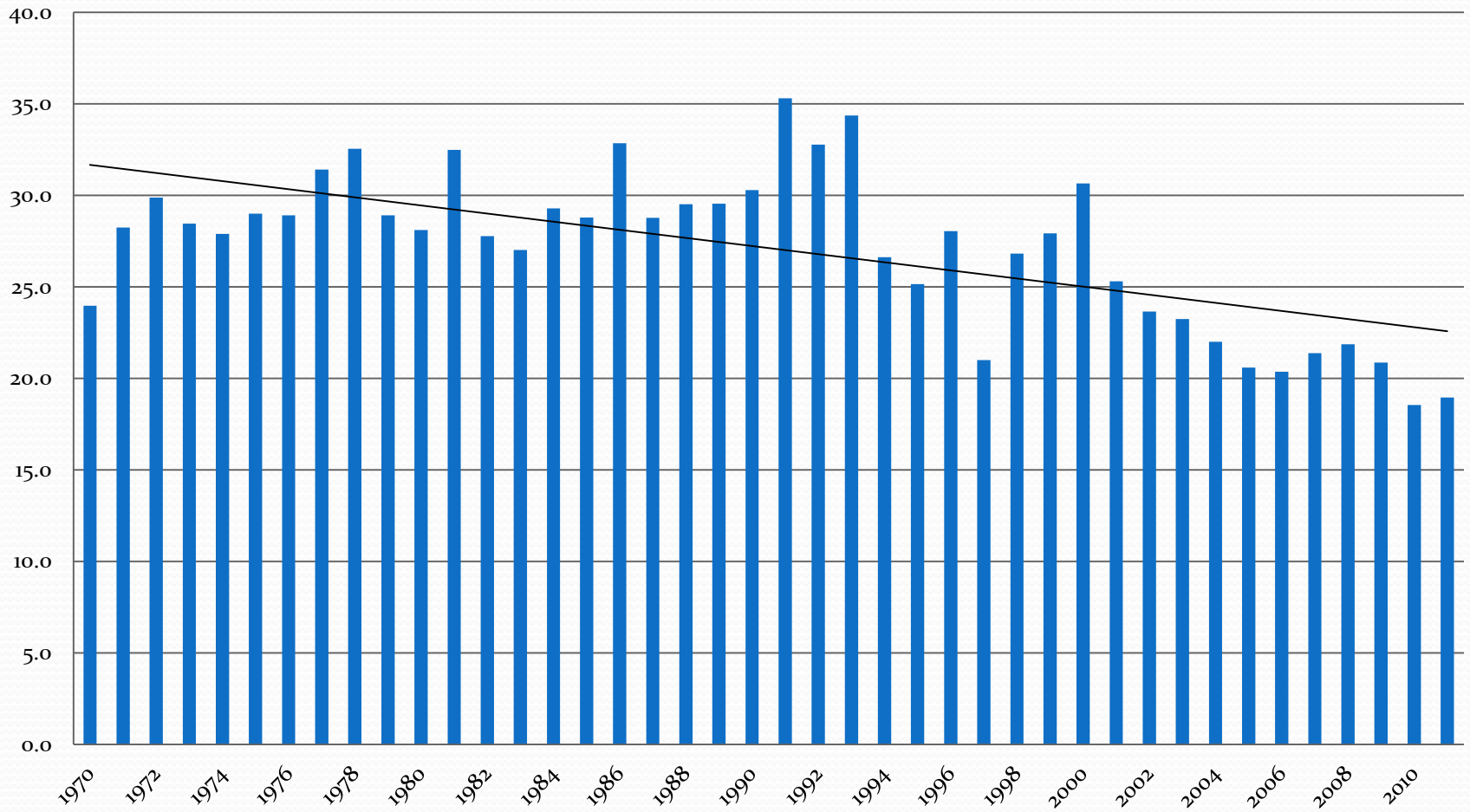
Columbia River Coho Ocean Abundance



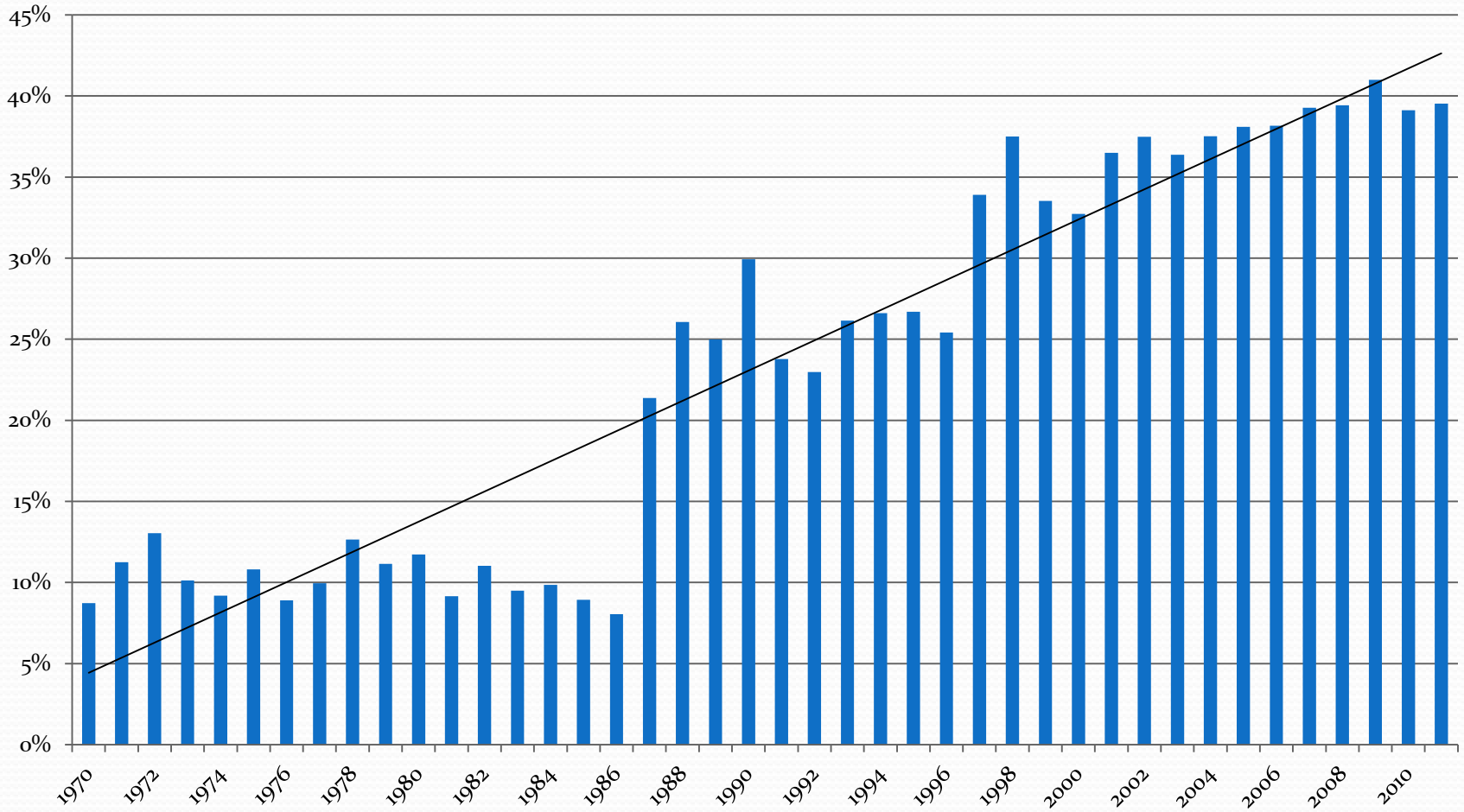
Columbia River Coho Survival Rates (Ocean Abundance/Smolts Released)



Columbia River Coho Releases

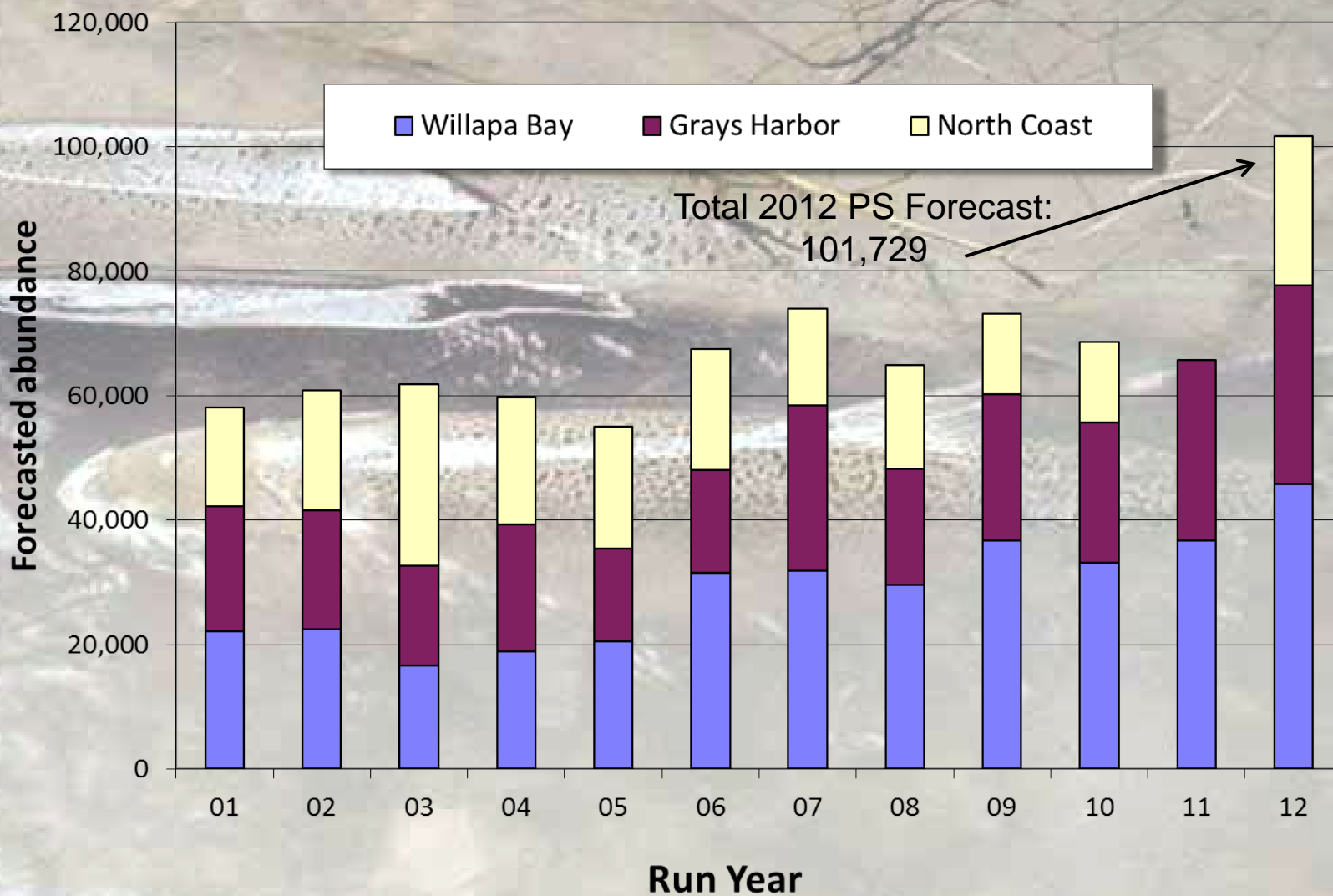


Columbia River Coho Releases Above Bonneville Dam

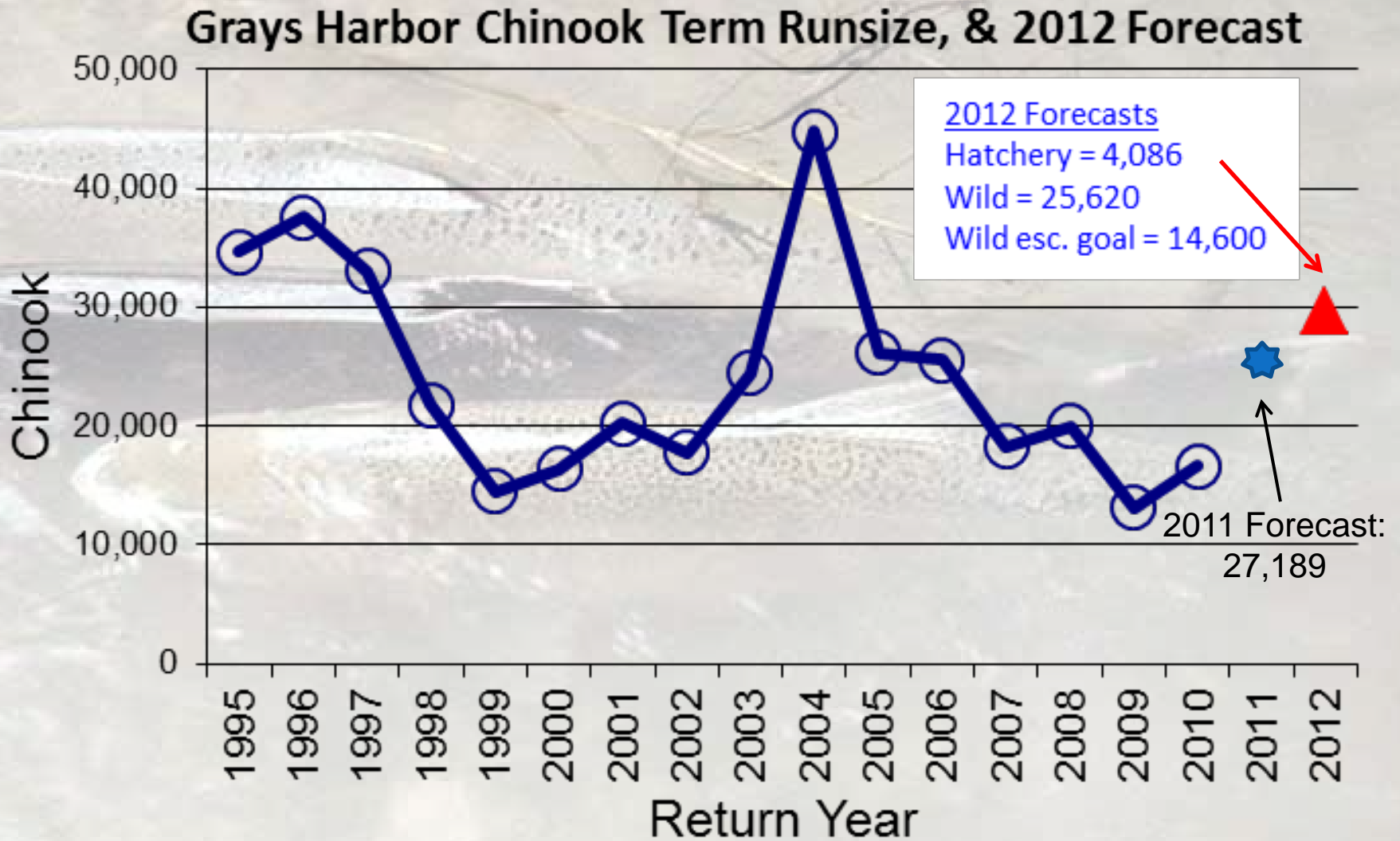


2012 Chinook - Coast

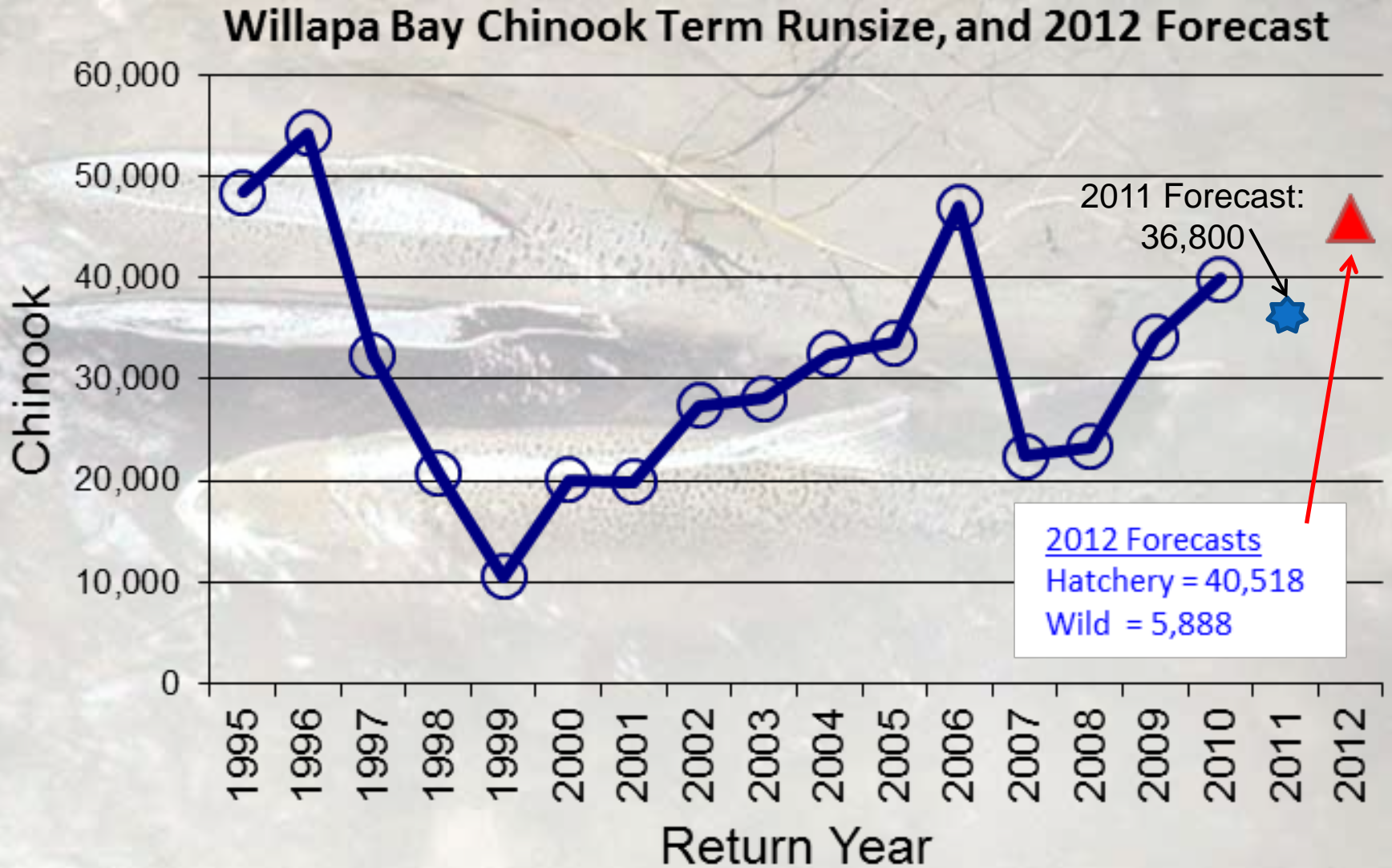
Coastal WA Chinook Forecast Comparisions



2012 Chinook - Coast



2012 Chinook - Coast



2012 Chinook - Coast

Coastal Region Chinook - Preseason Forecast Comparisons (2012 vs 2011)

River Basin	2011	2012	Comparison of 2011/2012	Escapement Goal
Quillayute Spr/Summer	1,299	767	0.59	1,200
Quillayute Falls	7,543	6,592	0.87	3,000 or 60%
Hoh Spr/Sum	1,037	997	0.96	900 or 69%
Hoh Falls	2,880	2,683	0.93	1,200 or 60%
Queets Spr/Sum	N/A	N/A	N/A	700 or 70%
Queets Falls	N/A	N/A	N/A	2,500 or 60%
Grays Harbor Springs	1,844	2,301	1.25	1,400
Grays Harbor Falls	23,275	25,620	1.10	14,600
Willapa Bay Falls	4,341	5,222	1.20	4,350
Total	42,219	44,182	1.05	

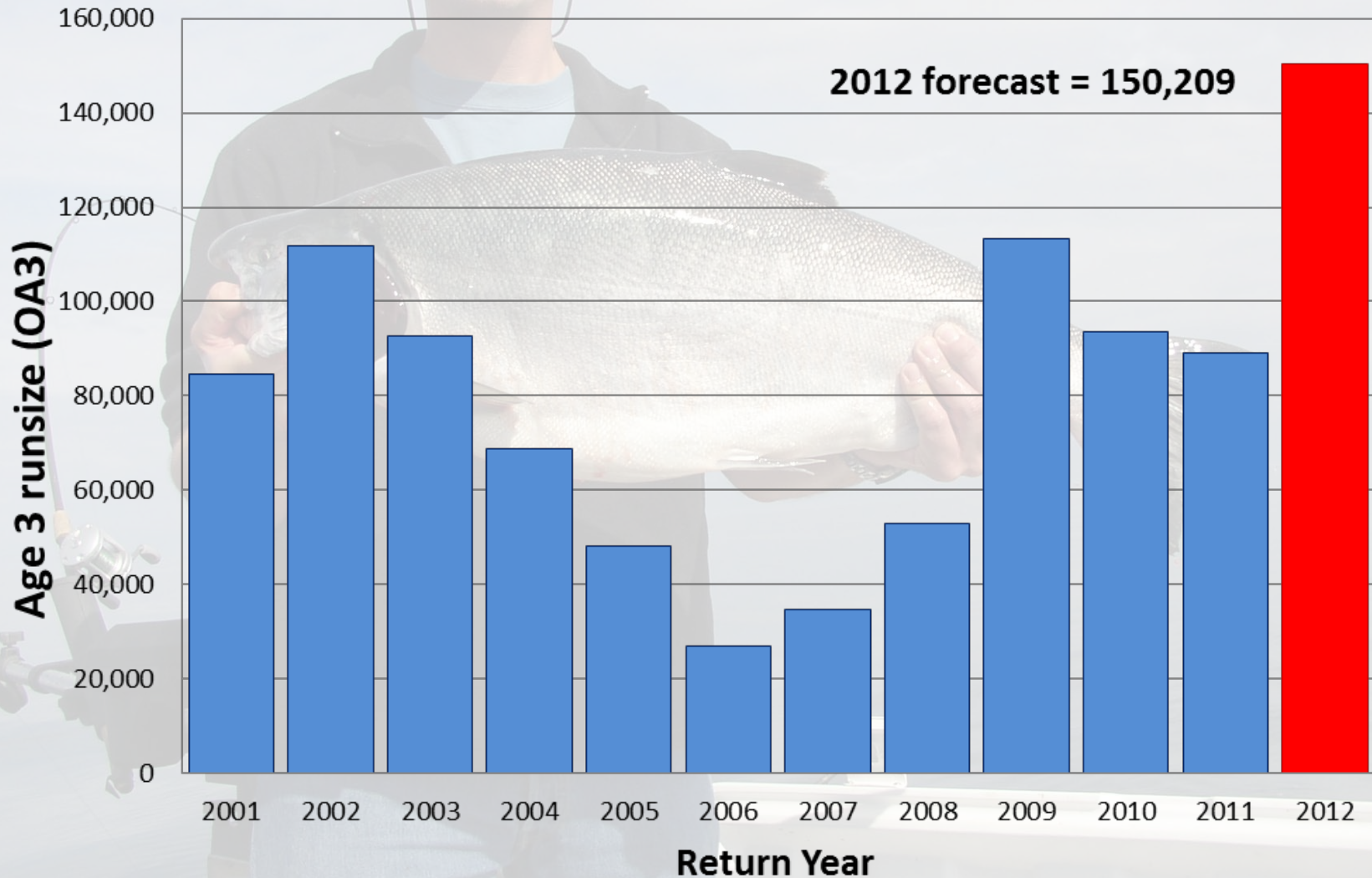
2012 Coho - Coast

Queets R. Wild Coho Runsize (OA3), 2012 Forecast



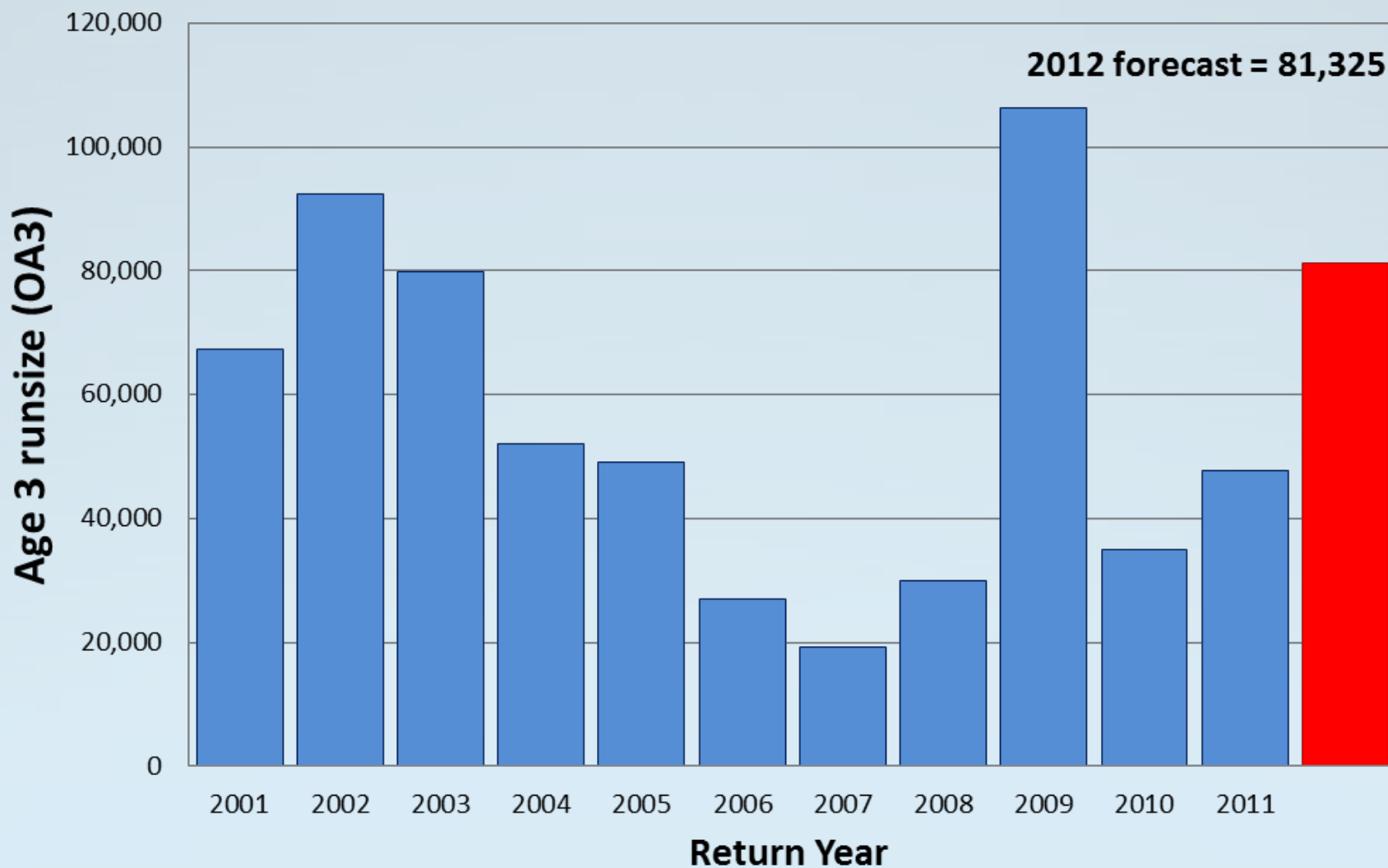
2012 Coho - Coast

Grays Harbor Wild Coho Runsize (OA3), 2012 Forecast



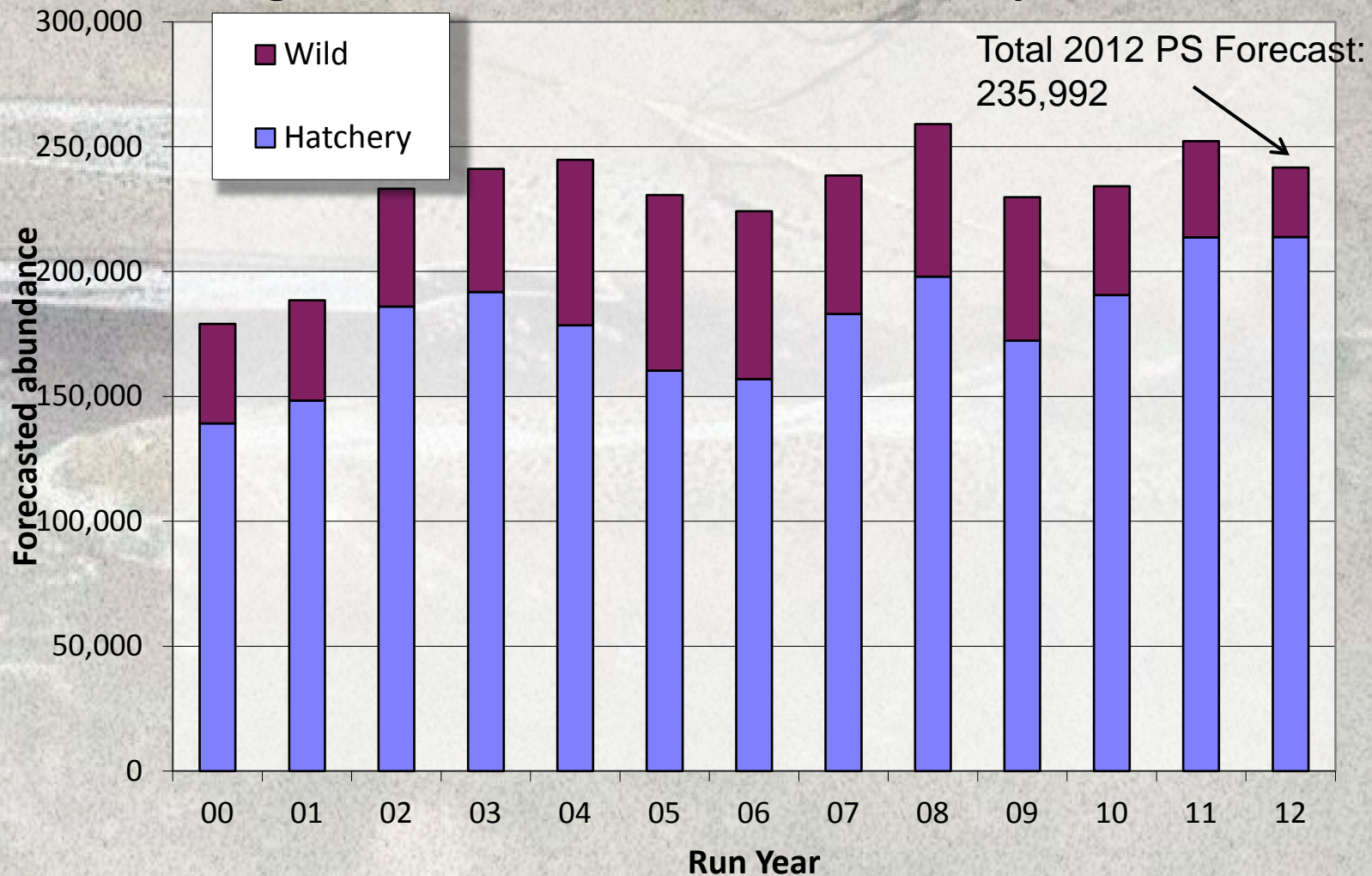
2012 Coho - Coast

Willapa Bay Wild Coho Runsize (OA3), 2012 Forecast



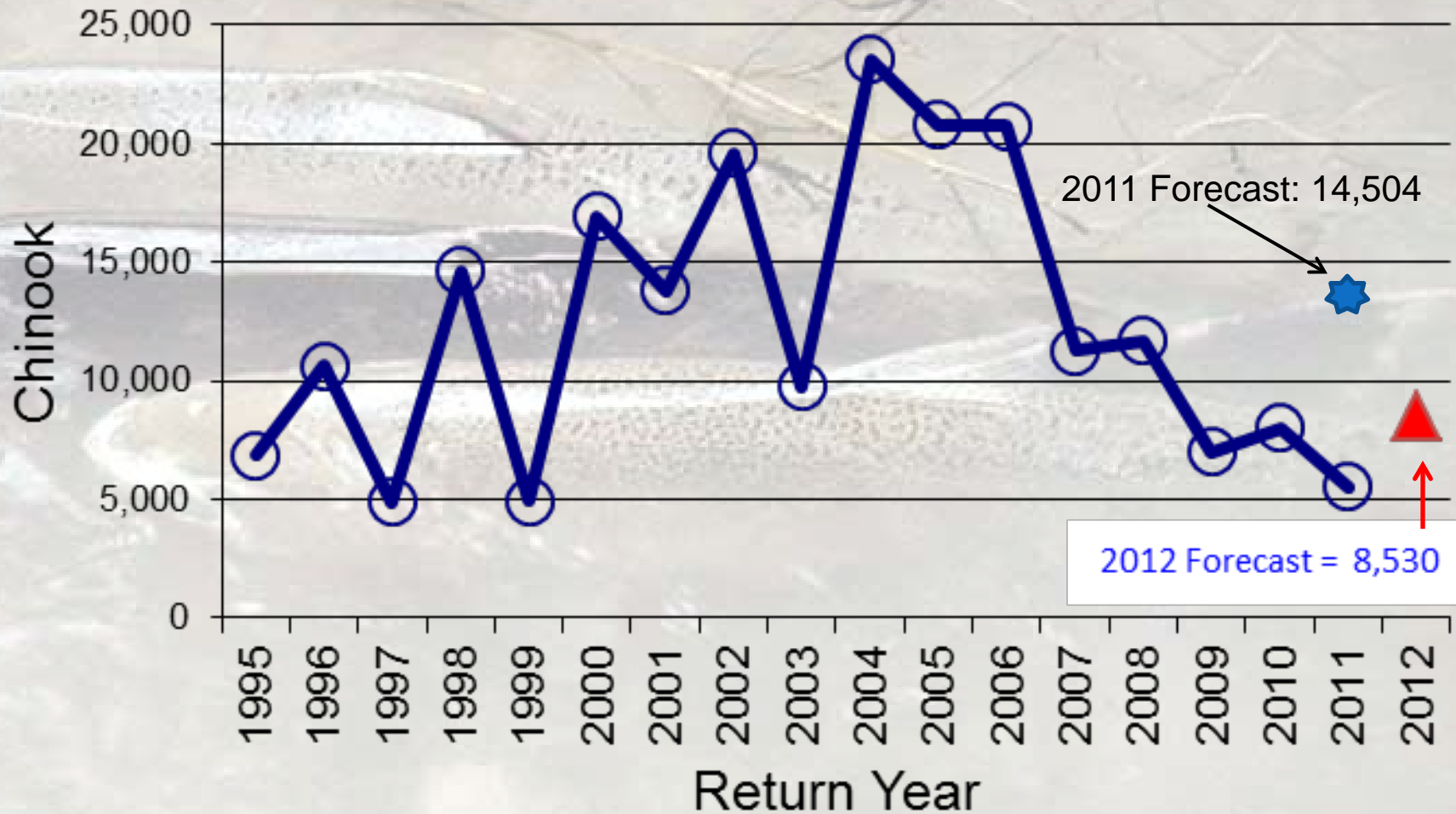
2012 Chinook – Puget Sound

Puget Sound Chinook Forecast Comparisions



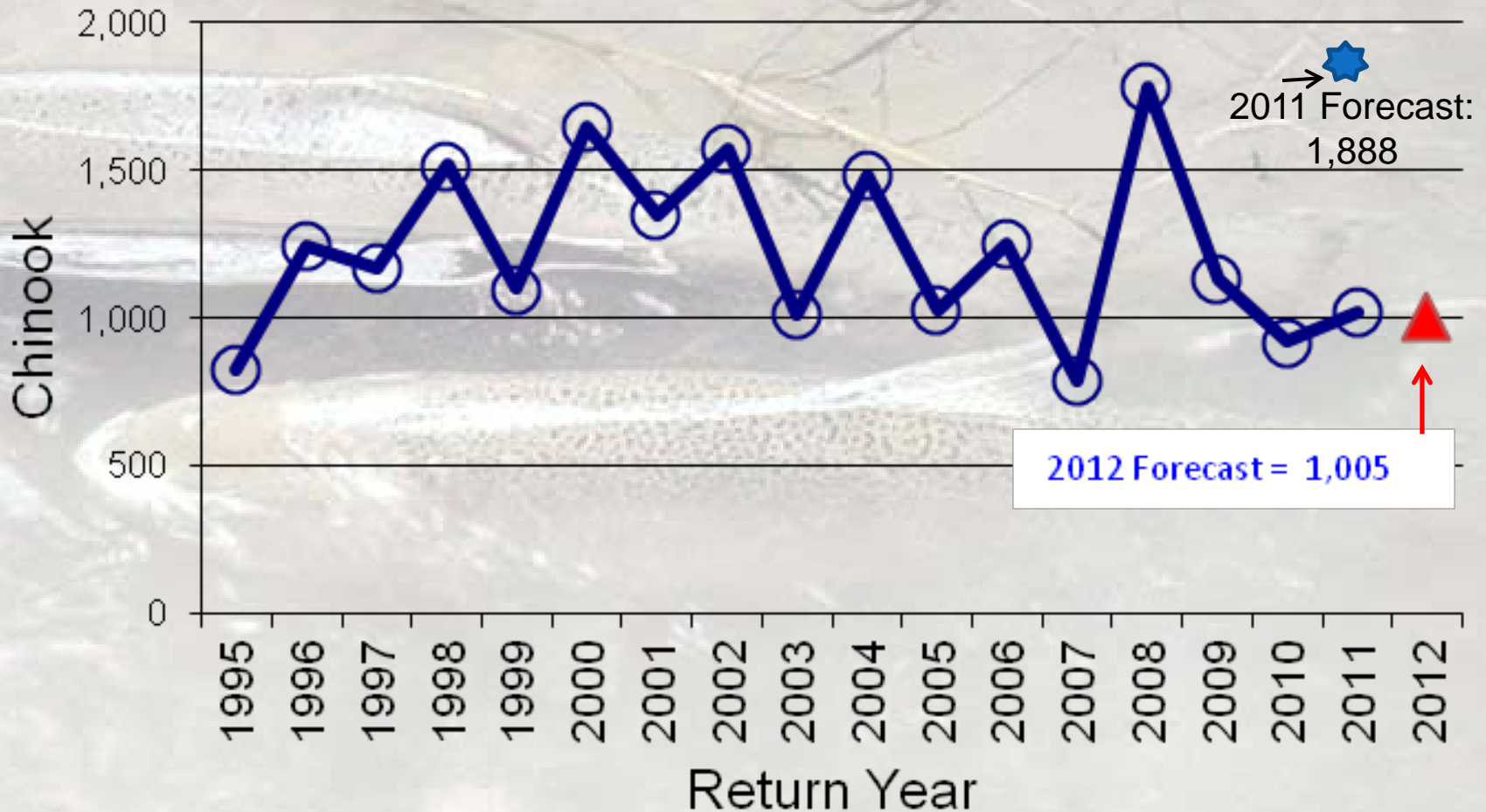
2012 Chinook – Puget Sound

Skagit Fall wild chinook escapement, 2012 forecast



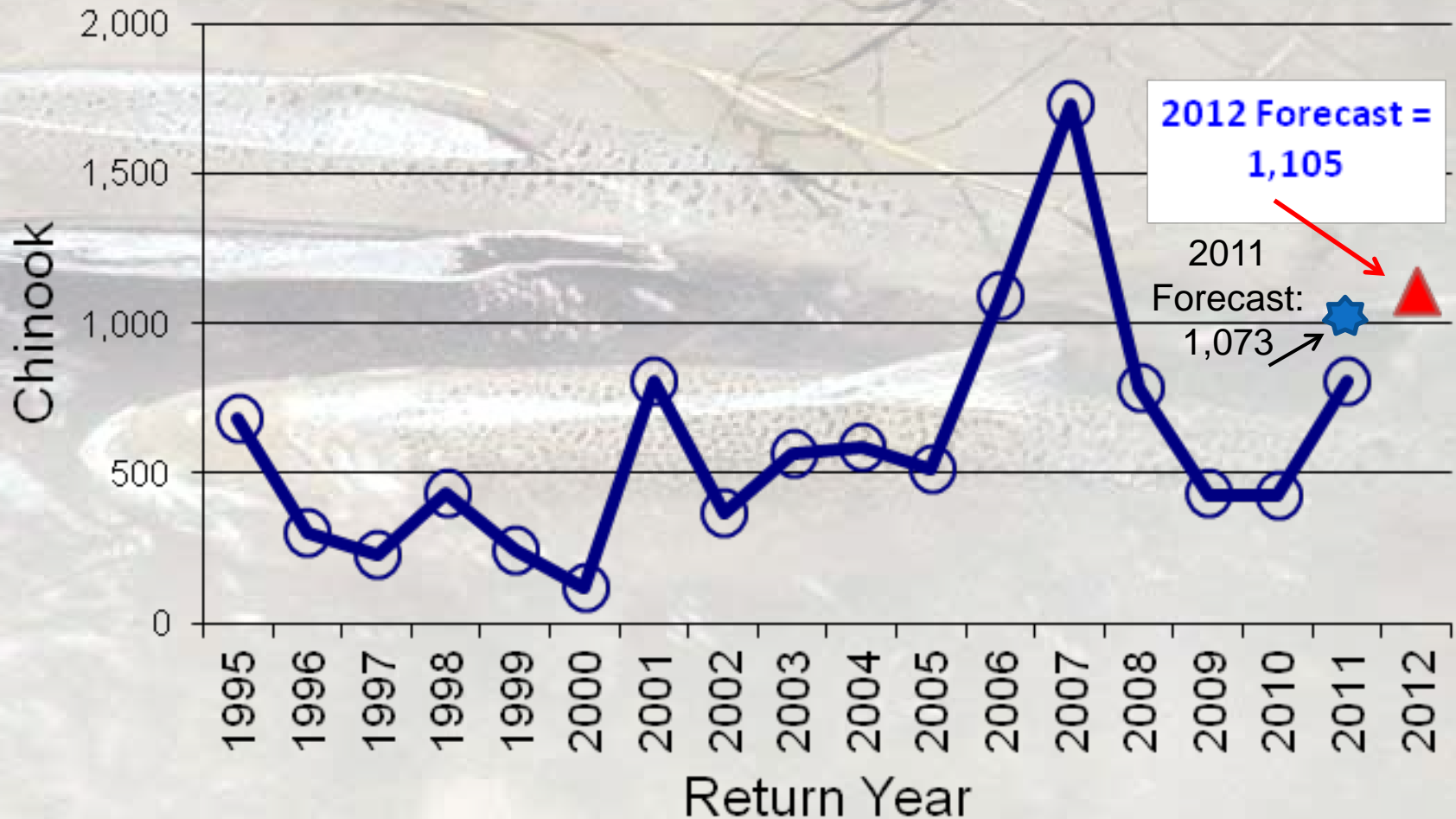
2012 Chinook – Puget Sound

Stillaguamish R chinook escapement, 2012 forecast

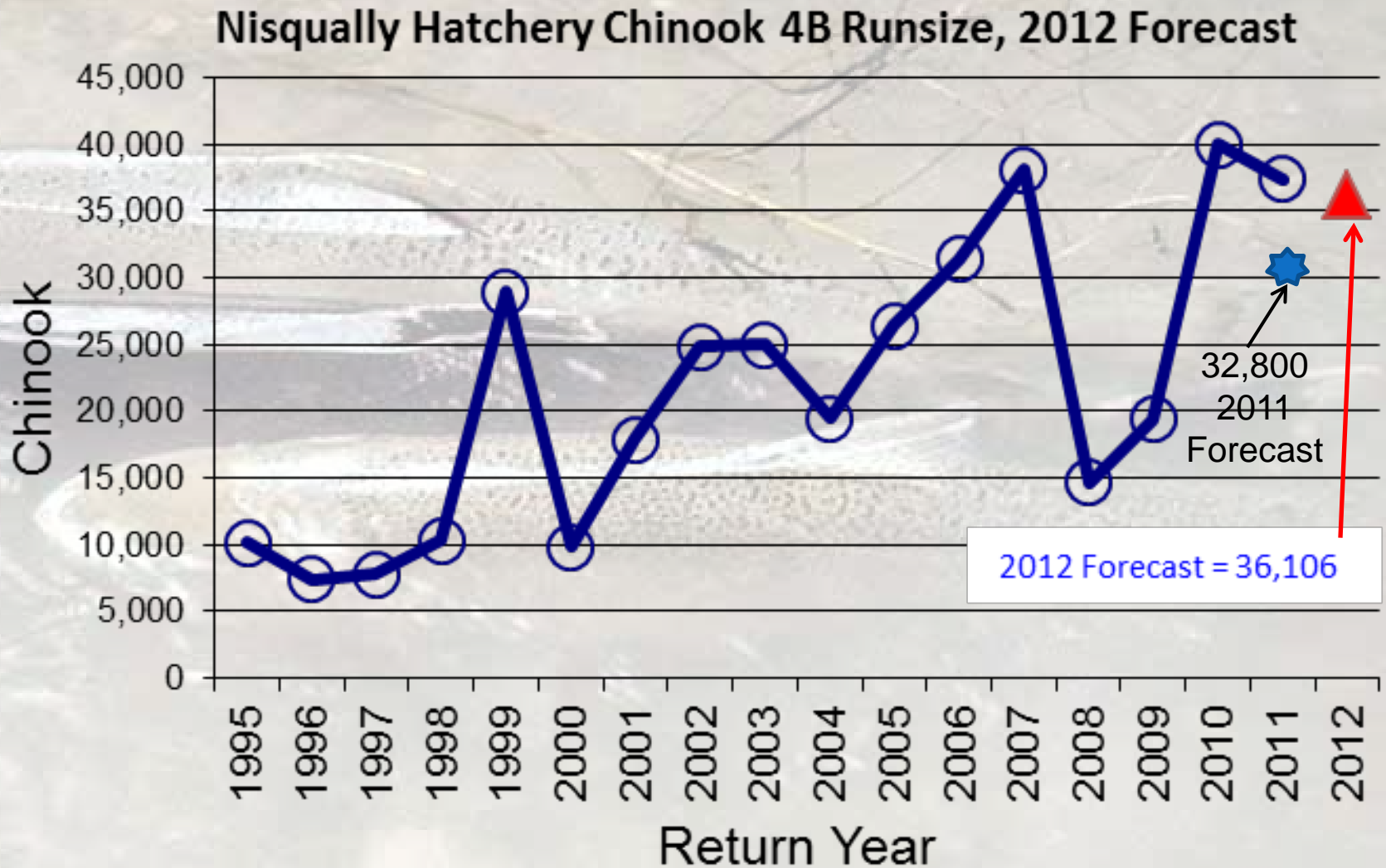


2012 Chinook – Puget Sound

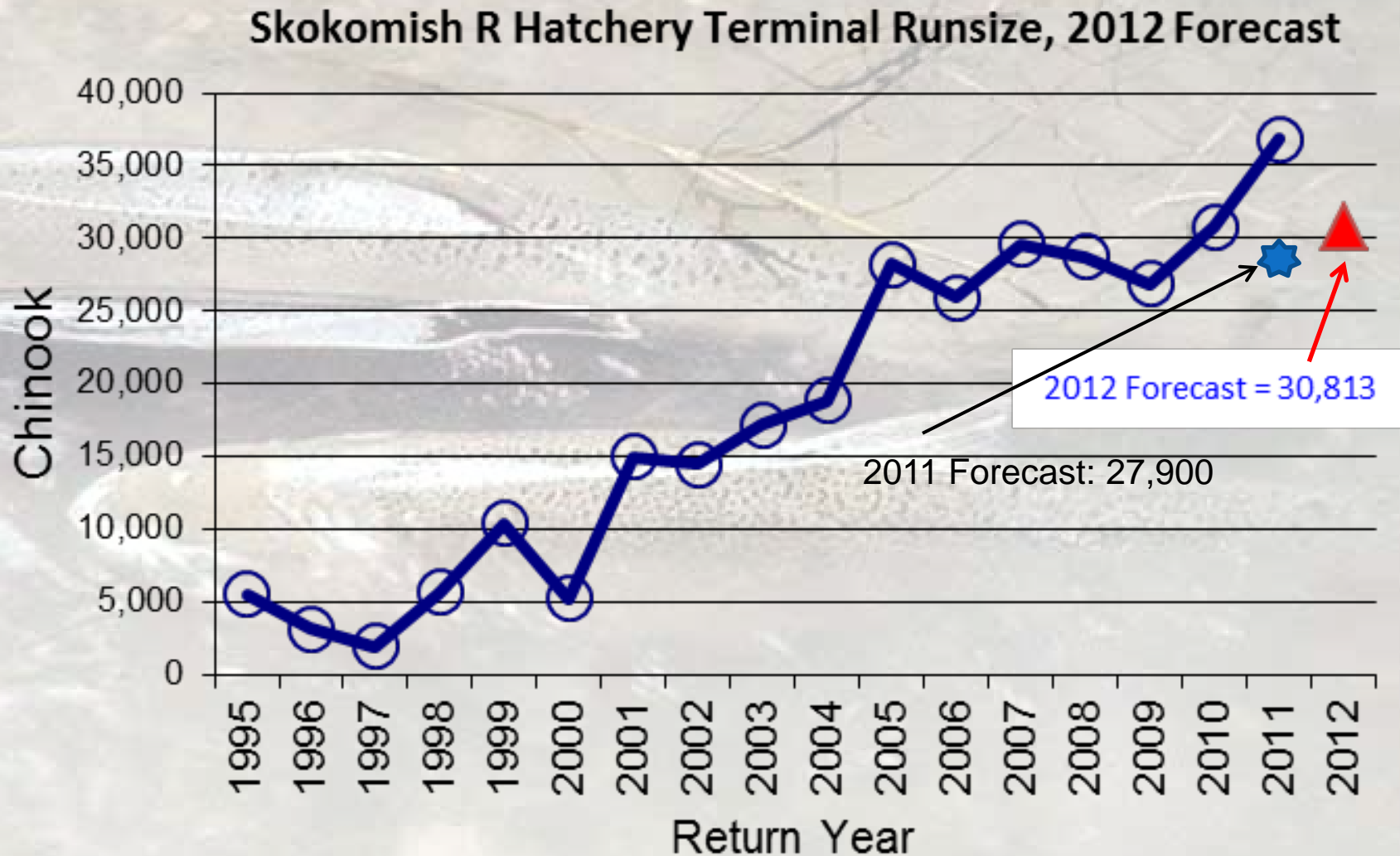
Cedar R (LW) wild escapement, 2012 forecast



2012 Chinook – Puget Sound



2012 Chinook – Puget Sound



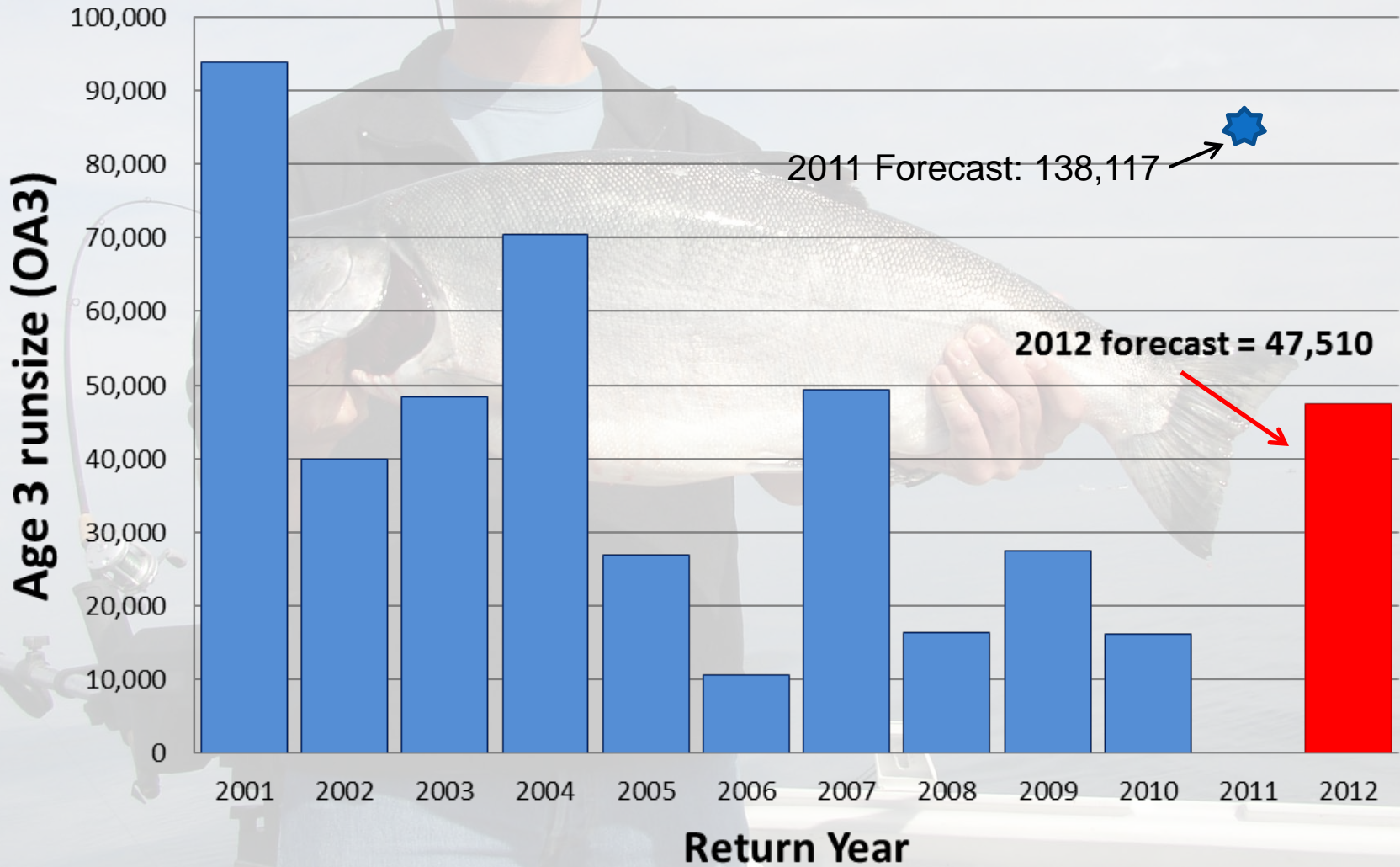
2012 Coho - Puget Sound

Skagit R. Wild Coho Runsize (OA3), 2012 Forecast



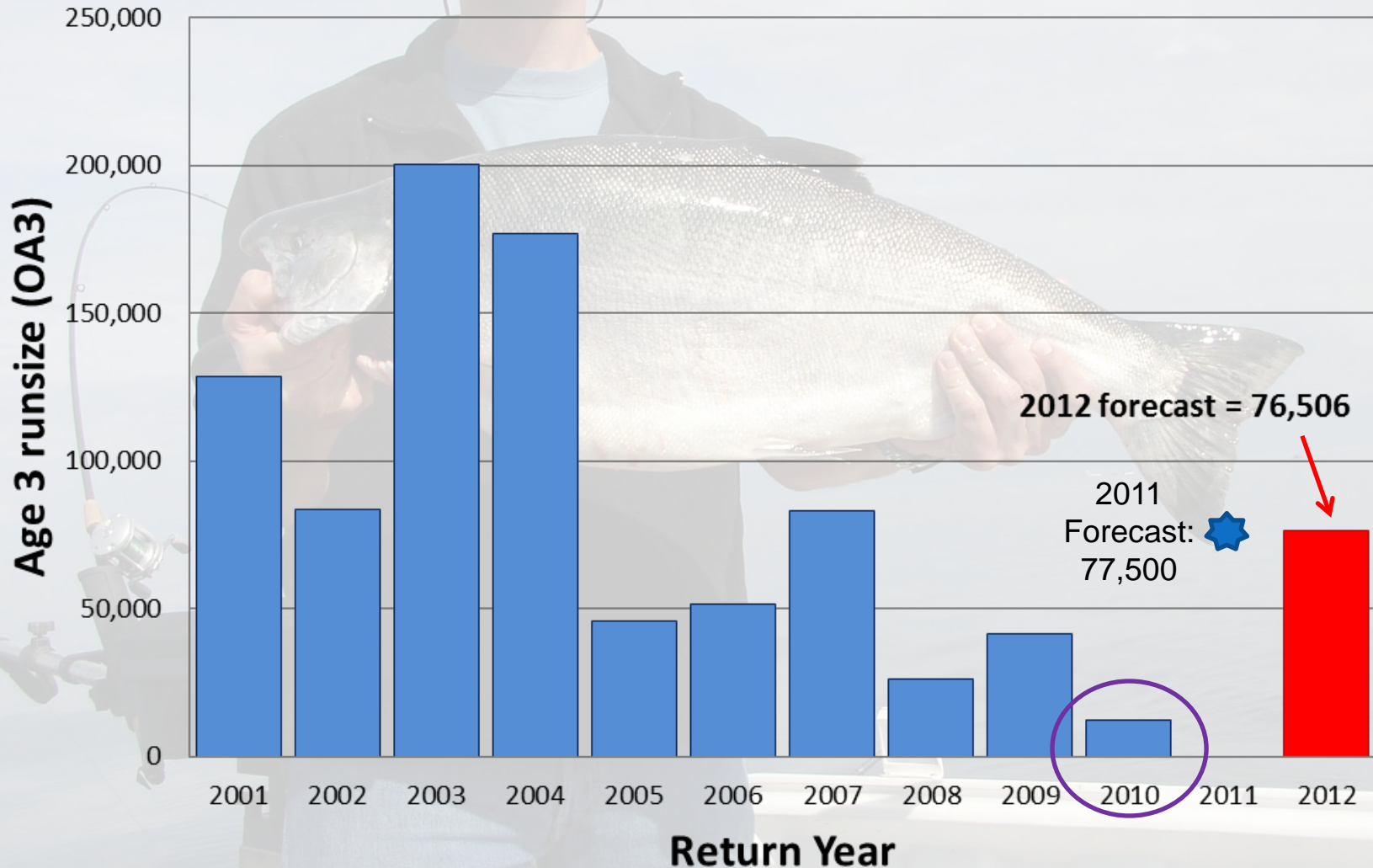
2012 Coho - Puget Sound

Stillaguamish R. Wild Coho Runsize (OA3), 2012 Forecast



2012 Coho – Puget Sound

Hood Canal Wild Coho Runsize (OA3), 2012 Forecast



2012 Coho – Puget Sound

Strait Juan de Fuca Wild Coho Runsize (OA3), 2012 Forecast

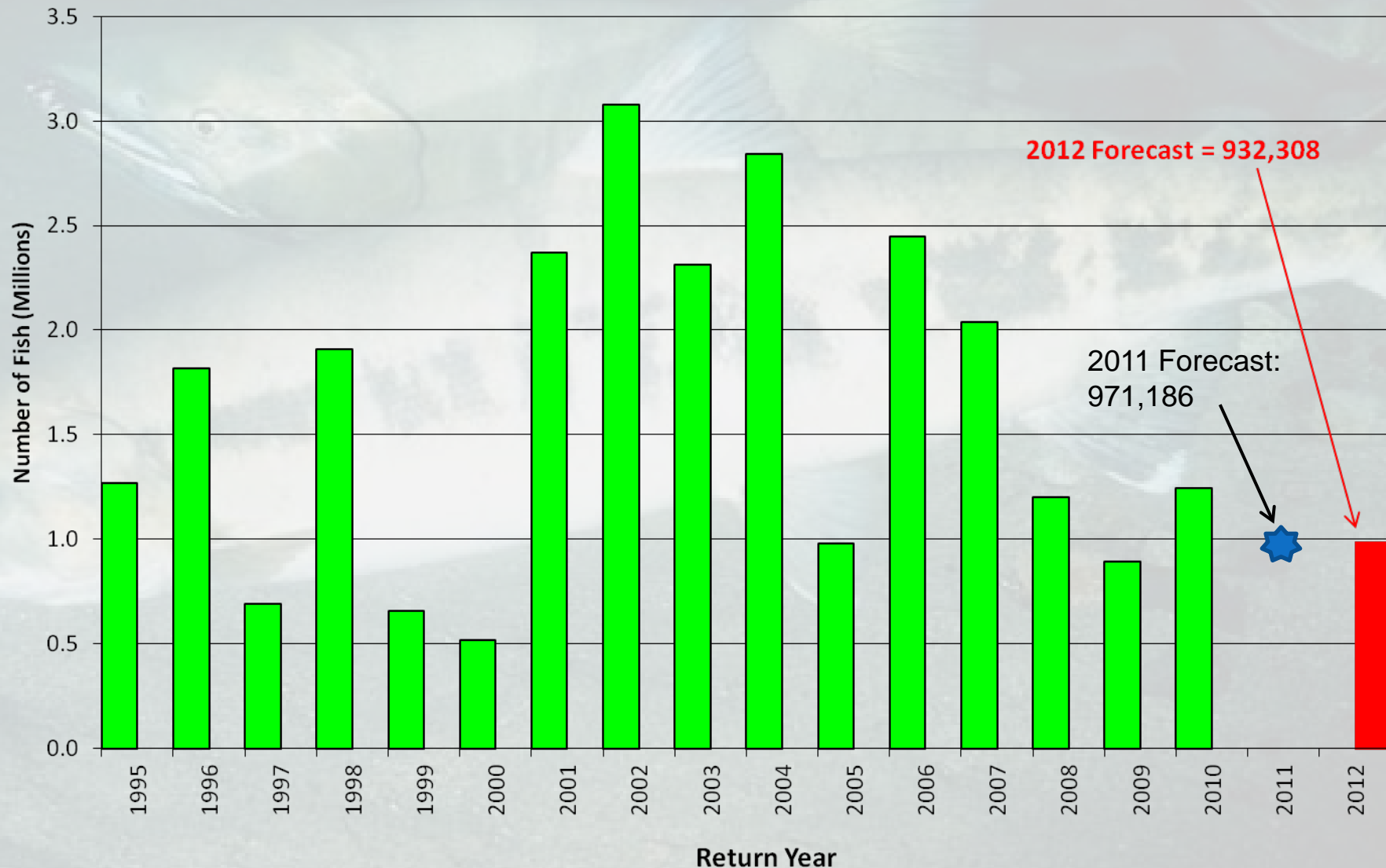


2012 Chum



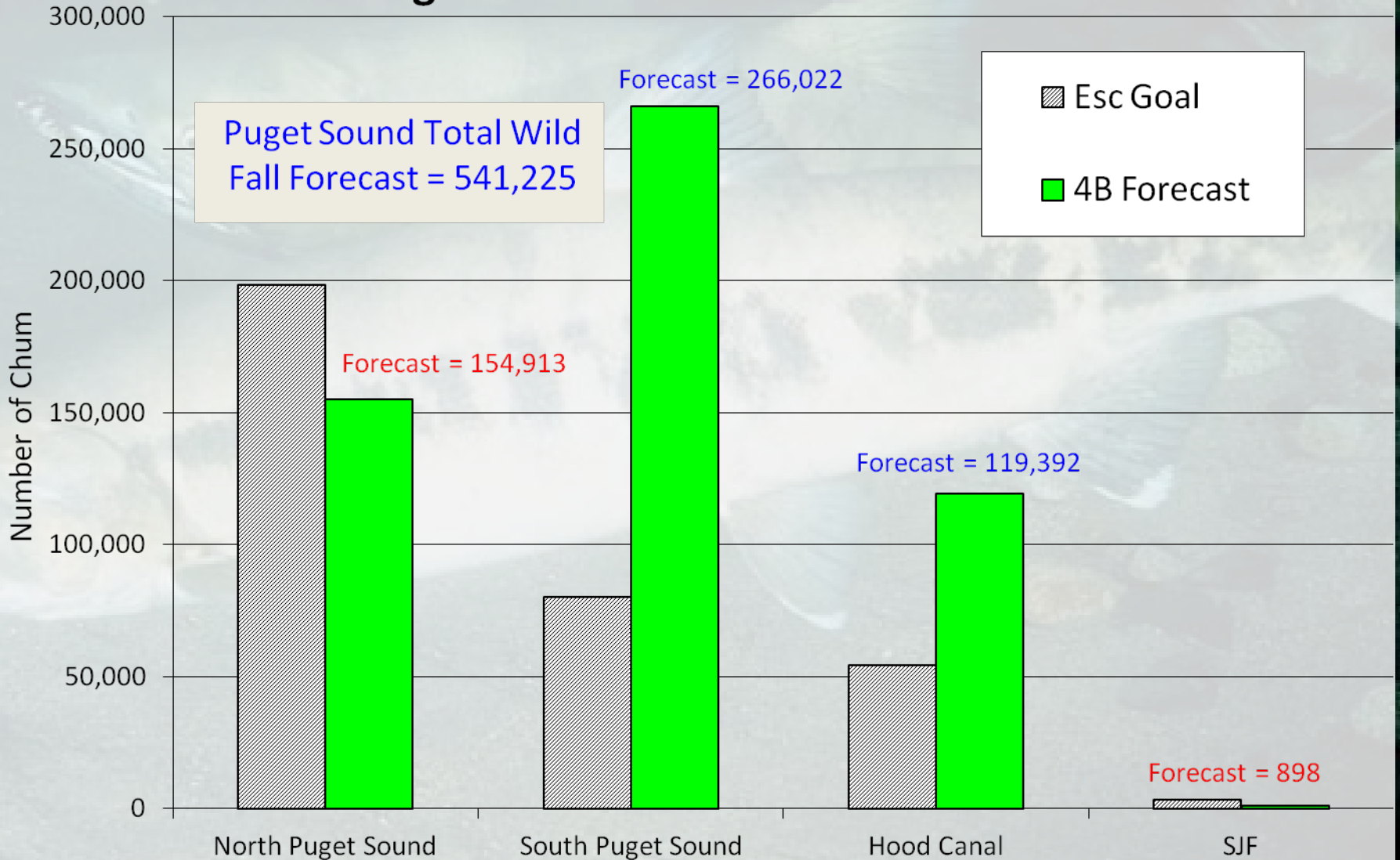
2012 Fall Chum - Puget Sound

Total Puget Sound Fall Chum Runsize, 2012 Forecast



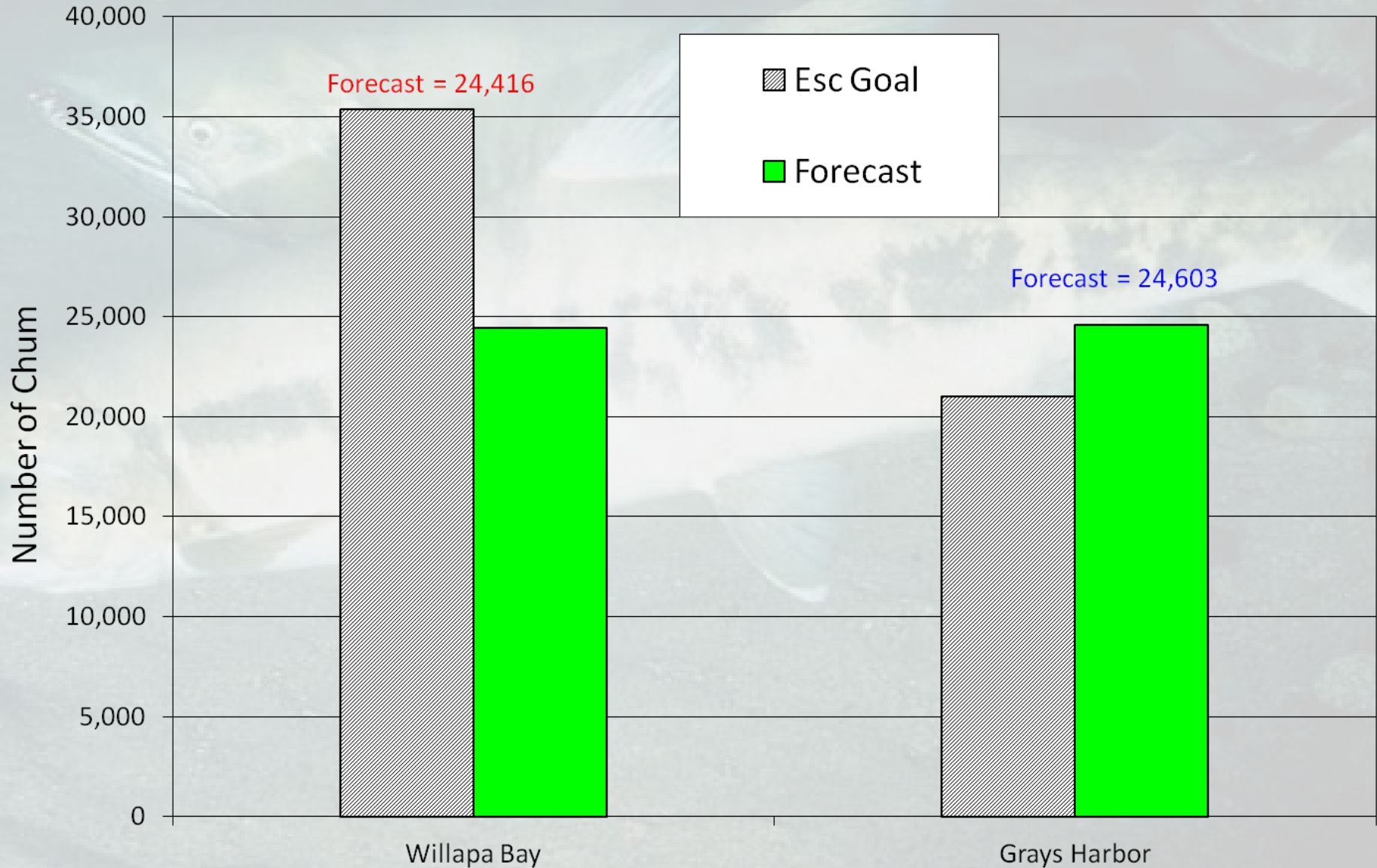
2012 Fall Chum – Puget Sound

2012 Puget Sound Wild Fall Chum Forecasts



2011 Fall Chum – Coast

2012 Coastal Wild Fall Chum Forecasts

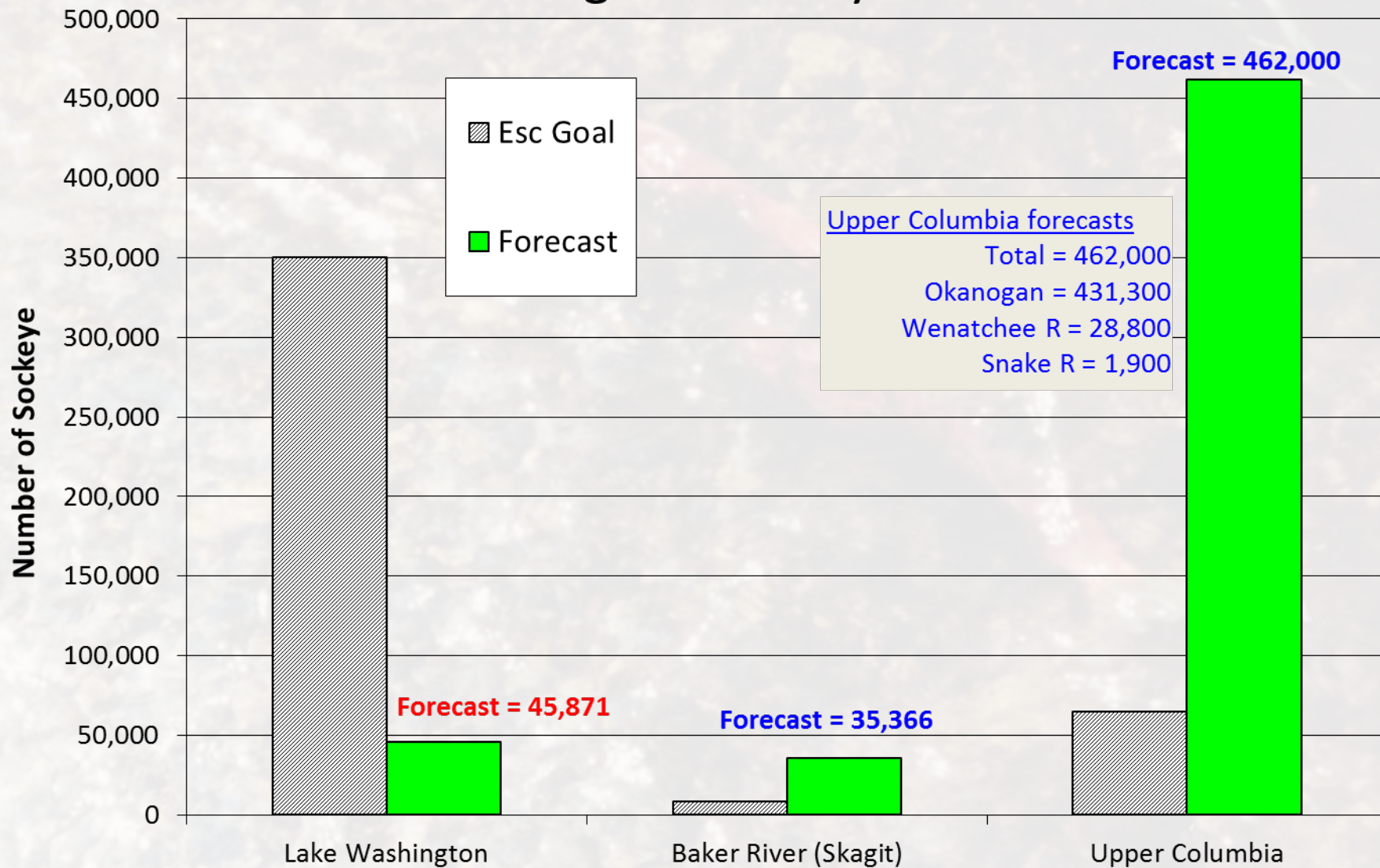


2012 Sockeye



2012 Sockeye

2012 Washington Sockeye Forecasts



BASE RUN

1811.cmd 2011 agreed-to package

Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
5	///	///	MSF MSF	MSF NR	NR NR	///		///	///	///		///
6	///	///	MSF MSF	MSF NR	NR NR		///	///	///	///		///
7	///	///					///	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
81	///	///	///	NR NR	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
82	///	///	///	NR NR	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
9	///	///	MSF	MSF MSF	NR NR	NR NR	MSF MSF	///	MSF	MSF MSF	MSF MSF	MSF
10	///	C&R C&R	NR MSF	MSF MSF	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	///	///	///
11	///	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF			///	MSF MSF	MSF MSF	MSF MSF
12 NoA	///	///	///	///	NR NR	NR			///	MSF MSF	MSF MSF	MSF MSF
12 SoA	///	///							///	MSF MSF	MSF MSF	MSF MSF
13	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF						

Run 17

r17a.cmd Winter: A6 Feb-Apr MSF, Add Jan to A11 and A12 winter MSFs, convert A11 Oct 1-15 NR to MSF; Summer: add Jul 1-15 to A9

Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
5	///	///	MSF MSF	MSF NR	NR NR	///		///	///	///		///
6	///	///	MSF MSF	MSF NR	NR NR		///	///	///	MSF MSF	MSF MSF	MSF MSF
7	///	///					///	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
81	///	///	///	NR NR	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
82	///	///	///	NR NR	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
9	///	///	MSF	MSF MSF	NR NR	NR NR	MSF MSF	///	MSF	MSF MSF	MSF MSF	MSF
10	///	C&R C&R	NR MSF	MSF MSF	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	///	///	///
11	///	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
12 NoA	///	///	///	///	NR NR	NR NR	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
12 SoA	///	///					MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF
13	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF	MSF MSF						

	Run number:	Change in total exploitation rate (ER scenario <i>i</i> - ER base)			
		base	3b	5	17
Timing	Stock Name	Final 2011 package (ER%) 1811.cmd	Continuous winter A11 & A12 MSFs, Feb-Apr A6 MSF pa3b.cmd	Early start (Jul 1) to A9 summer MSF A9_a.cmd	run 3b + run 5 r17a.cmd
SP	Nooksack (n)	27.1%	0.00%	0.00%	0.00%
	Skagit (n)	28.5%	-0.09%	0.07%	-0.03%
	White	20.0%	-0.23%	0.05%	-0.18%
	Dungeness	37.5%	-0.10%	0.03%	-0.06%
SU/FA	Skagit	49.9%	-0.01%	0.11%	0.11%
	Stillaguamish (n)	23.4%	0.00%	0.09%	0.09%
	Snohomish (n)	22.3%	-0.10%	0.12%	0.03%
	Lake Wa. (Cedar R.)	38.9%	-0.13%	0.13%	0.02%
	Green (ER change)	34.8%	-0.14%	0.12%	0.00%
	Green change in esc. (% esc. change)	5,343	0 (0.0%)	-15 (-0.3%)	-15 (-0.3%)
	Puyallup	48.3%	-0.11%	0.09%	0.00%
	Nisqually	64.8%	-0.16%	0.12%	-0.02%
	Western Strait-Hoko	24.4%	-0.08%	0.00%	-0.04%
	Elwha	37.1%	-0.10%	0.03%	-0.06%
	Mid-Hood Canal tribs.(n)	29.3%	-0.22%	0.26%	0.05%
	Skokomish	50.0%	-0.29%	0.21%	-0.06%

Other Items

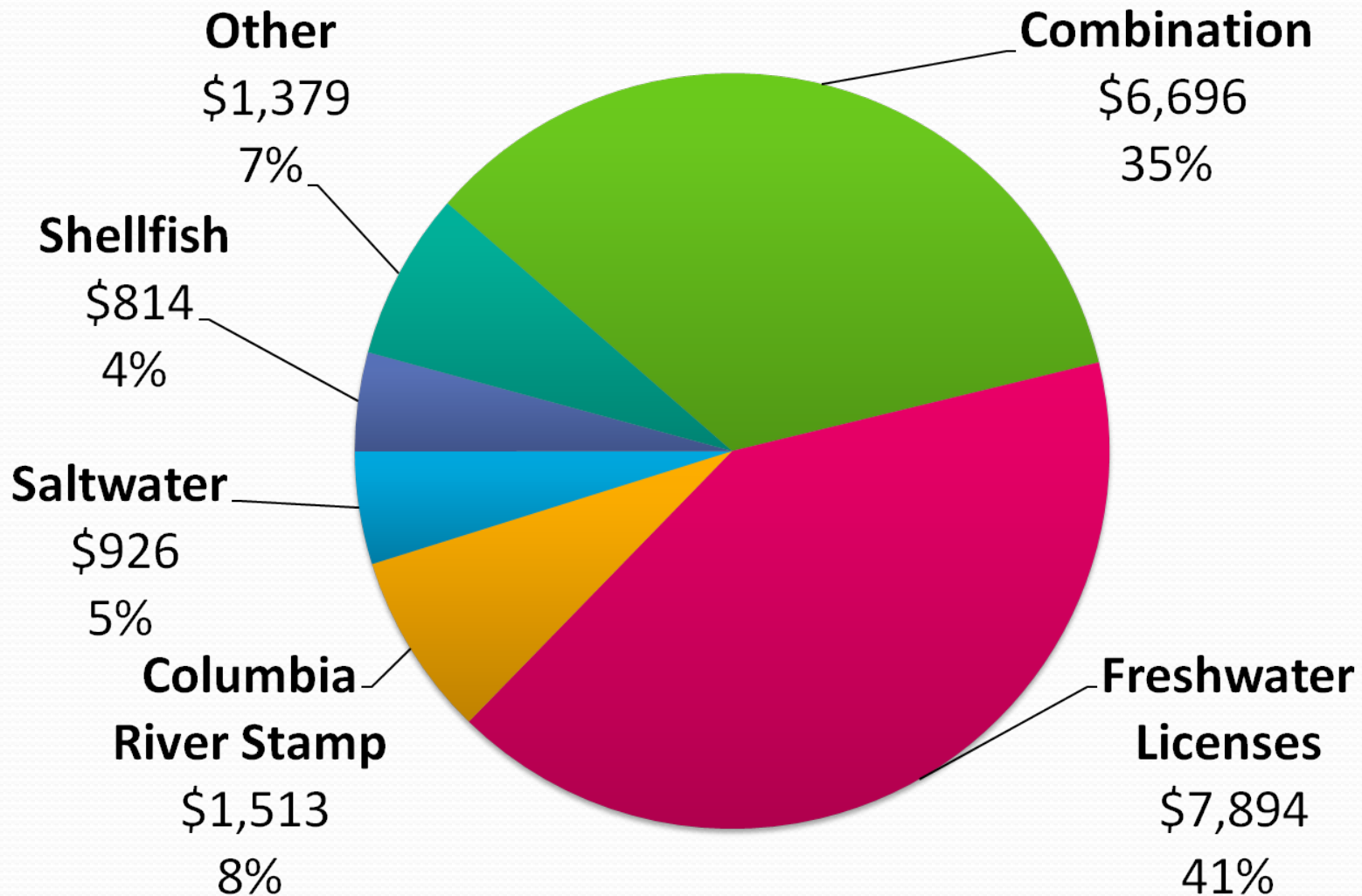
- U.S. – Canada Whiting Treaty Implementation
- State Director's Meeting
 - Federal Budget FY13
 - NOAA's Office of Law Enforcement Staffing
- Sturgeon Sanctuary Issue
- USFWS Wolf Funding
- Hunter Education
- Legislative Update – Joe Stohr
 - Budget
 - Policy

Budget Challenges in Managing Washington State's Fishery Resources

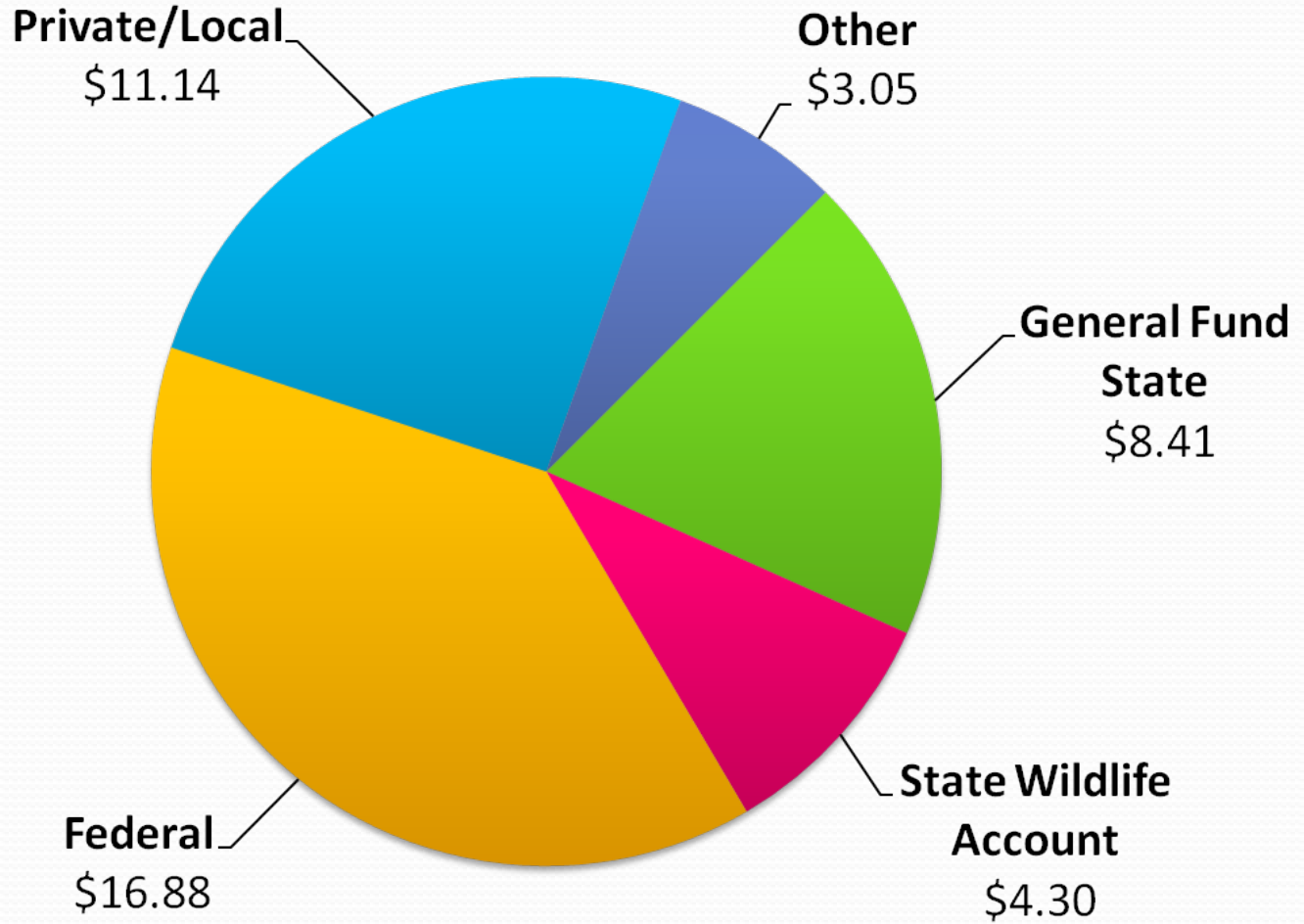
Phil Anderson | Director
Washington Department of Fish and Wildlife



Recreational License Revenue

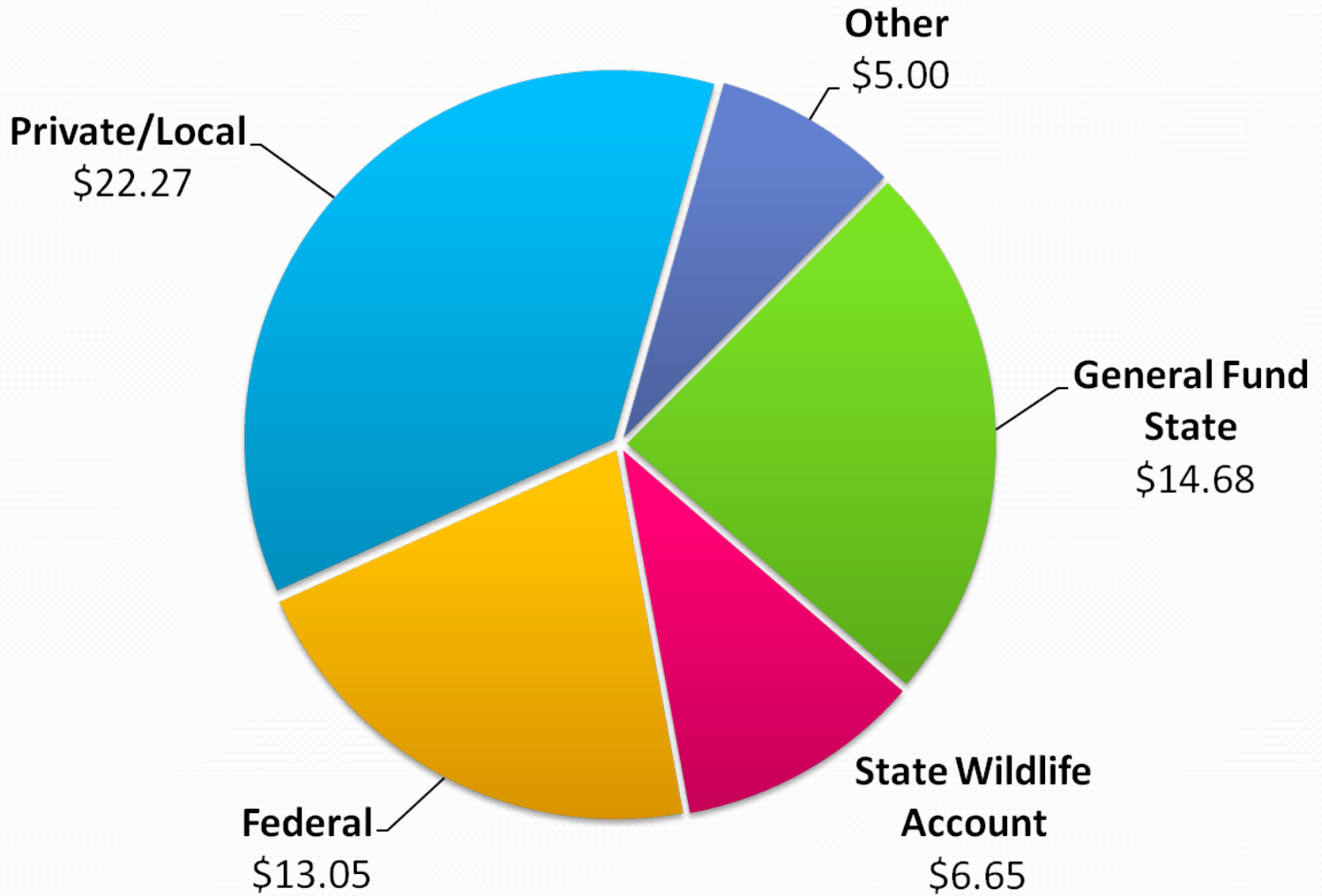


Native Fish Recovery



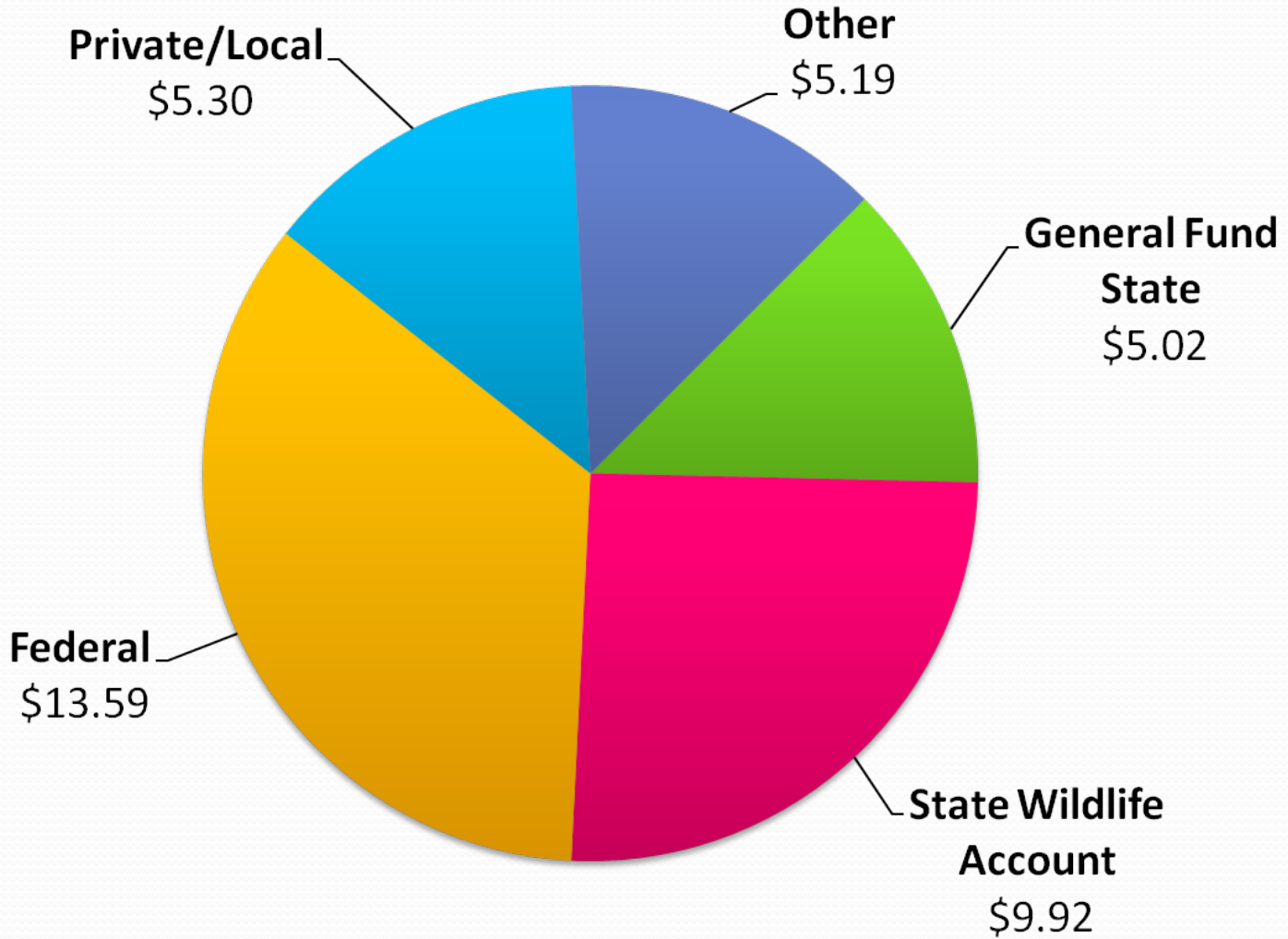
[Dollars in millions]

Fish Production



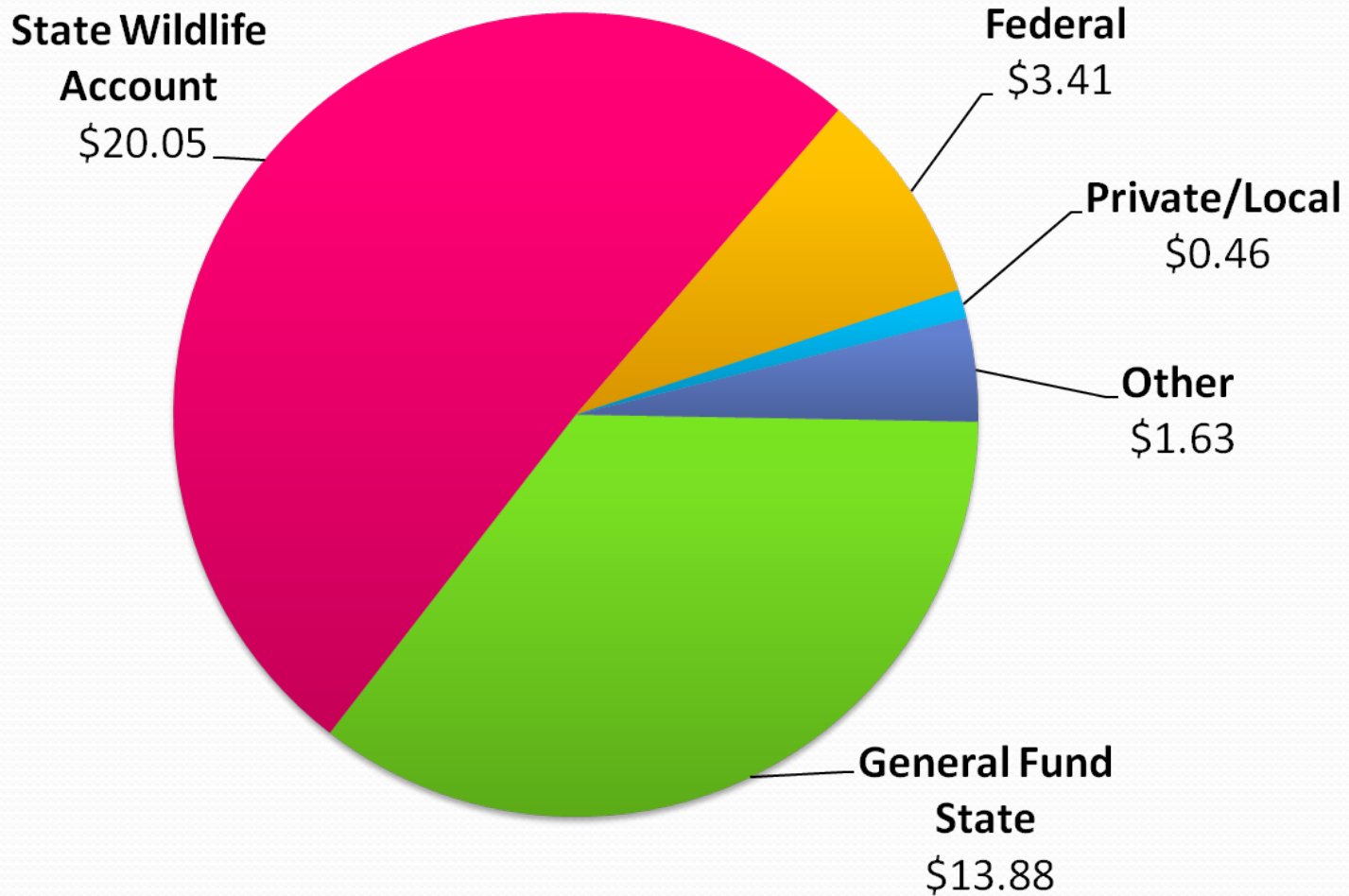
[Dollars in millions]

Fisheries Management



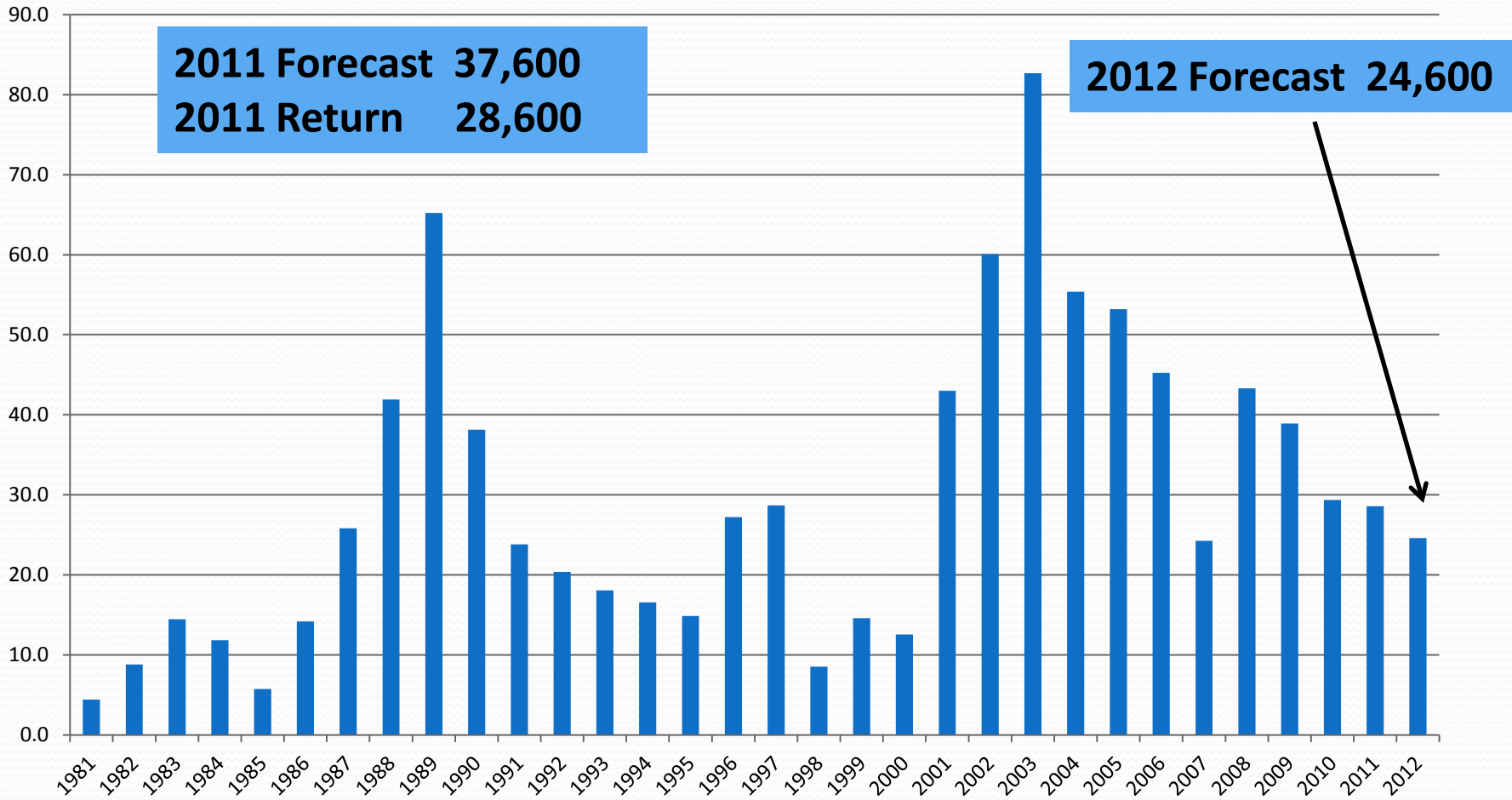
[Dollars in millions]

Enforcement

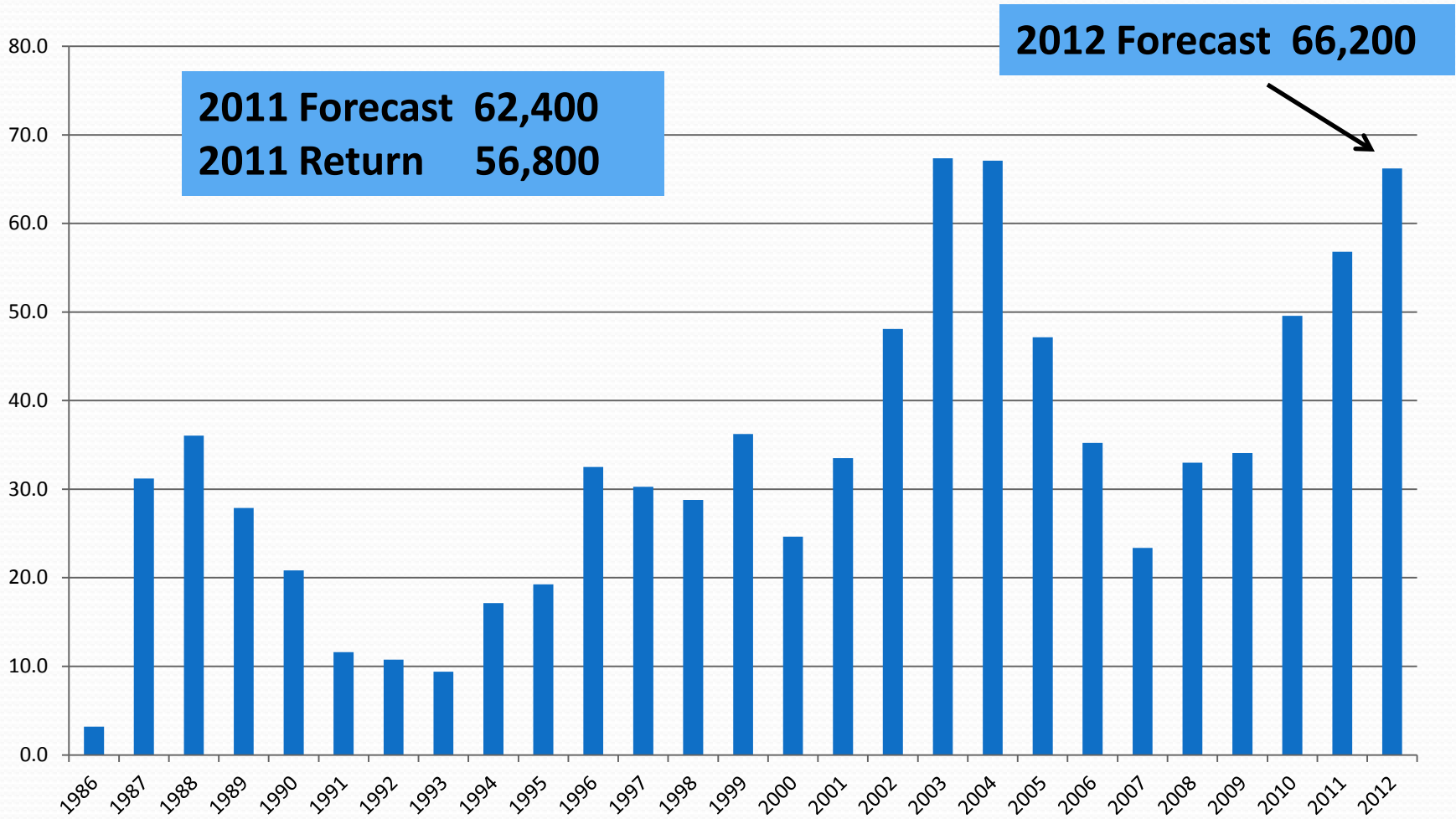


[Dollars in millions]

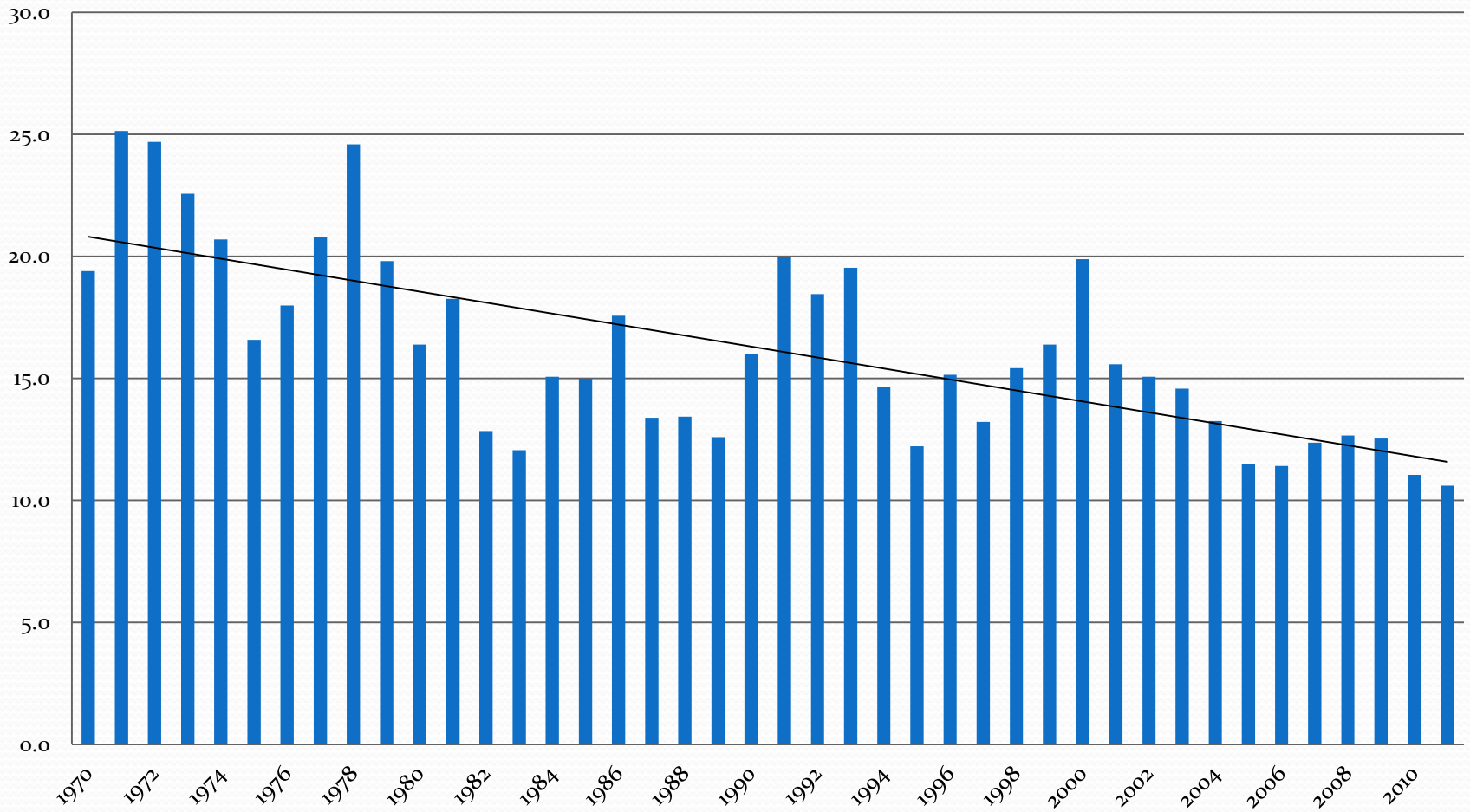
Bonneville Upriver Bright (BUB) Fall Chinook



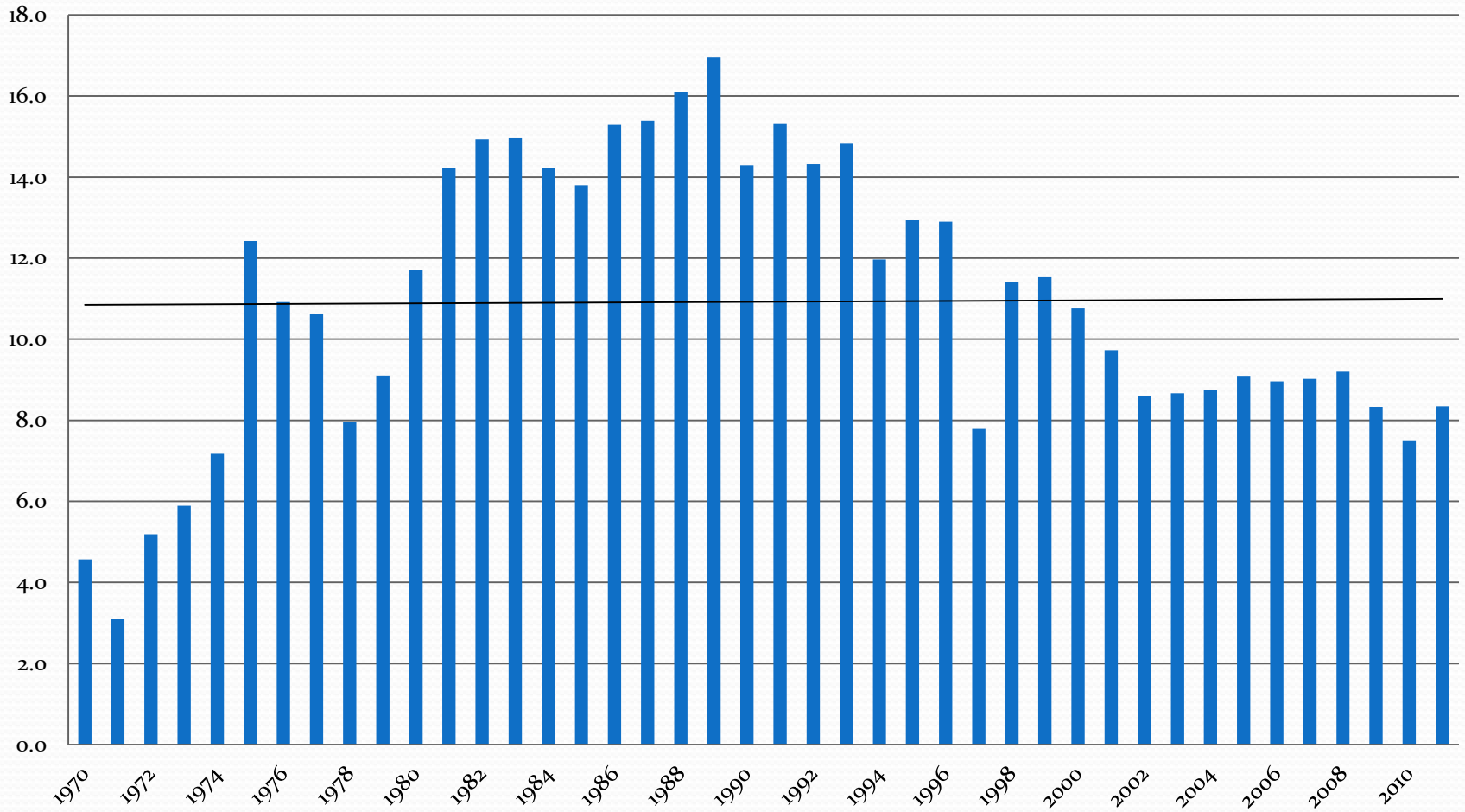
Pool Upriver Bright (PUB) Fall Chinook



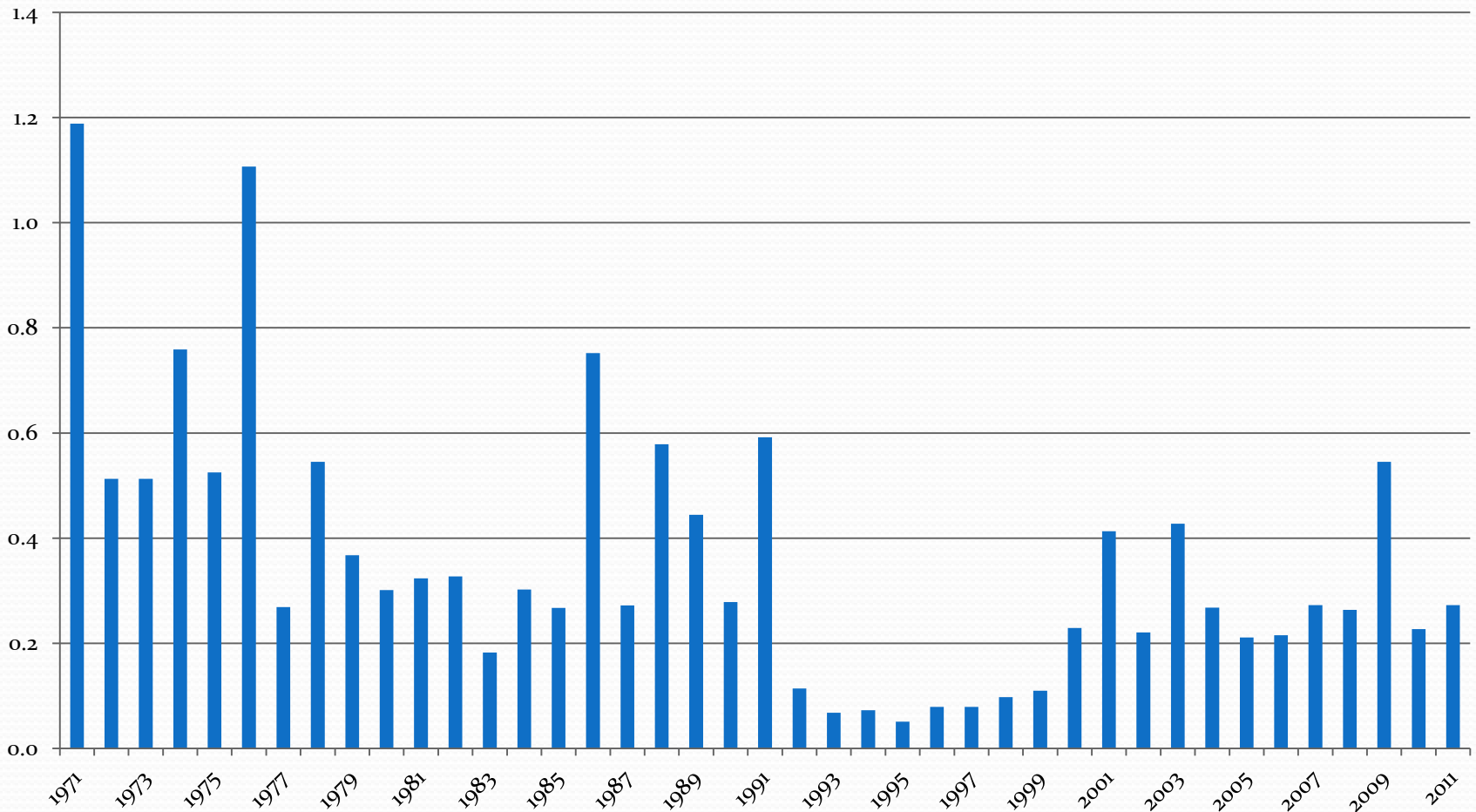
Columbia River Early Coho Releases



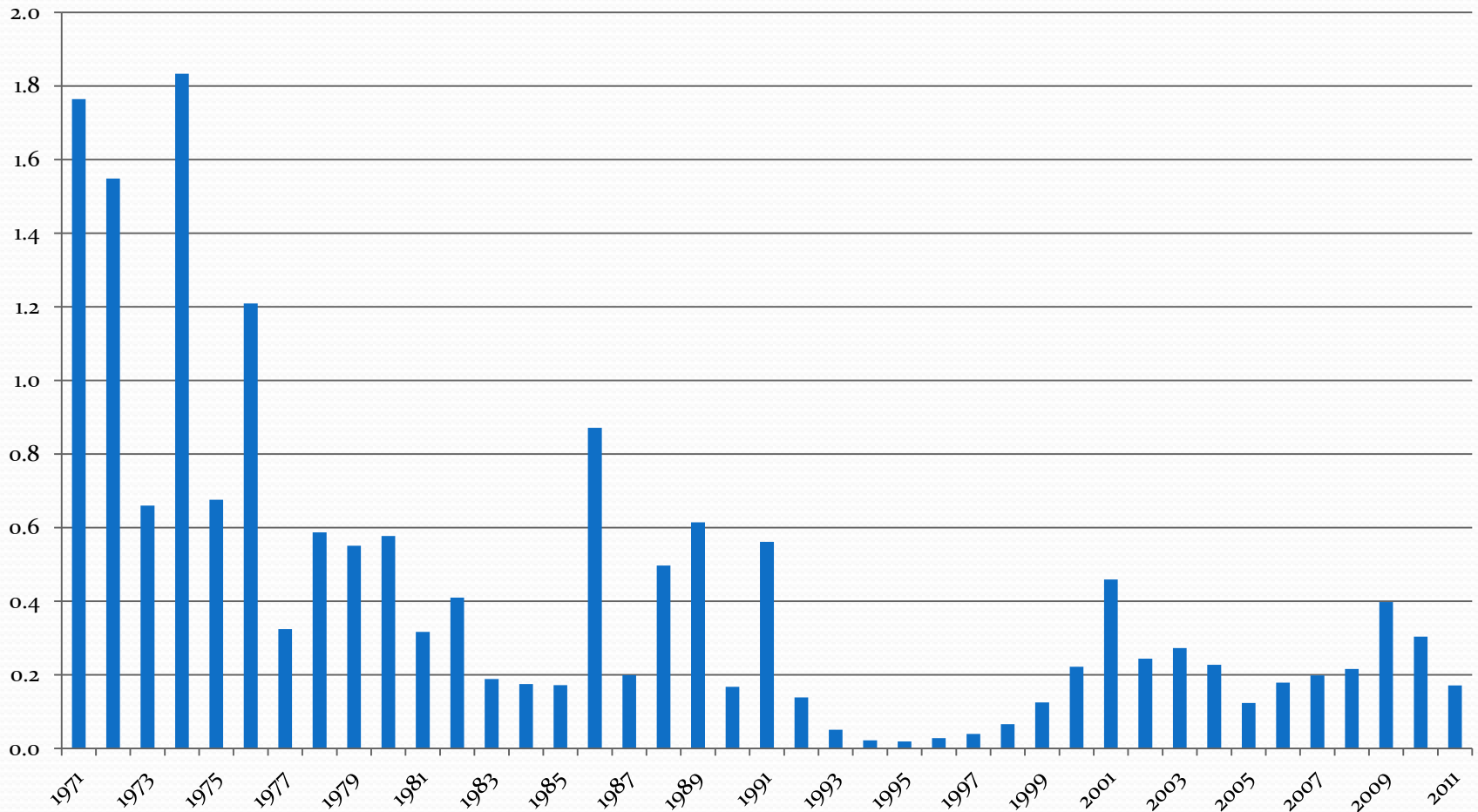
Columbia River Late Coho Releases



Early Coho Survival Rates (Ocean Abundance/Smolts Released)



Late Coho Survival Rates (Ocean Abundance/Smolts Released)

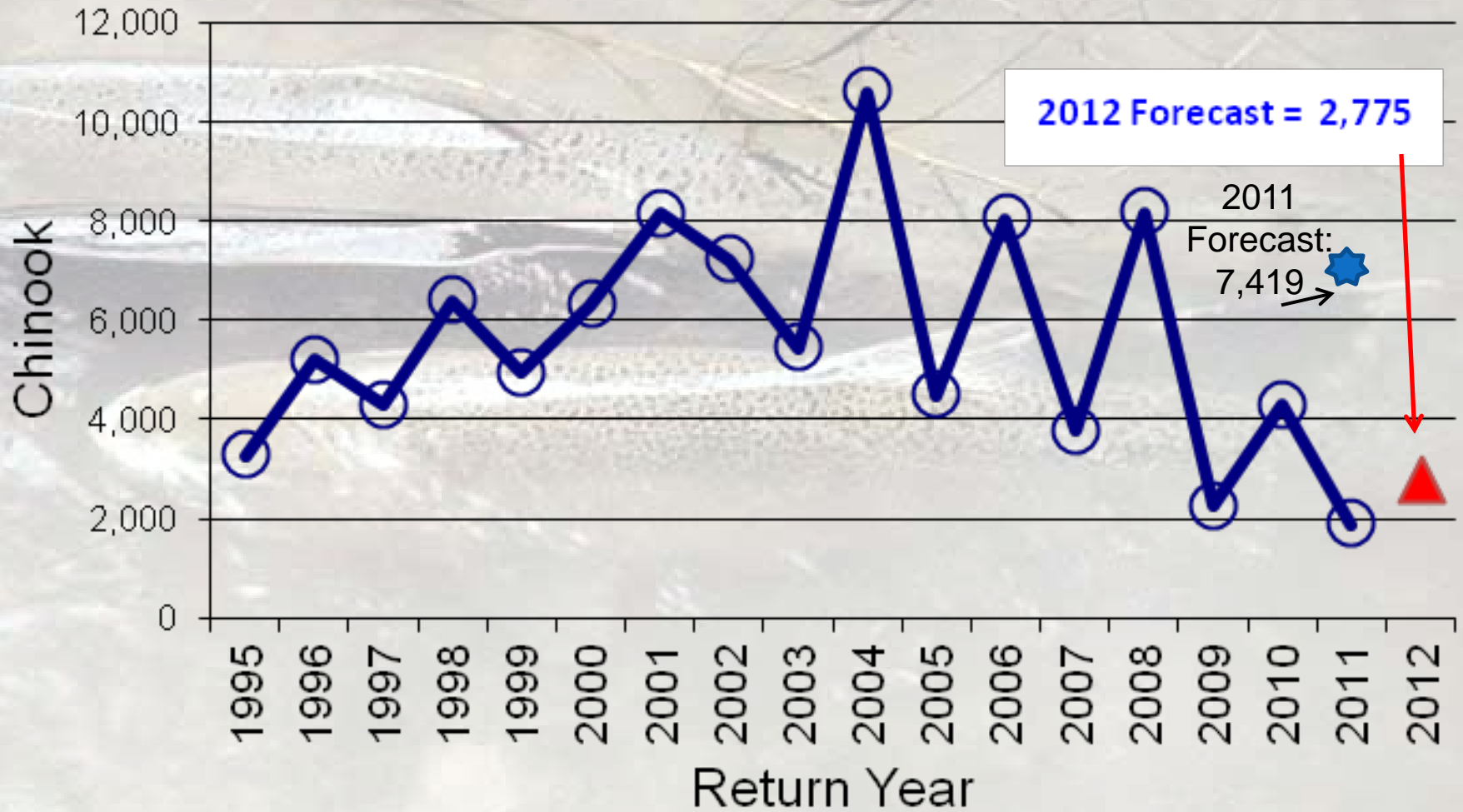


Questions?



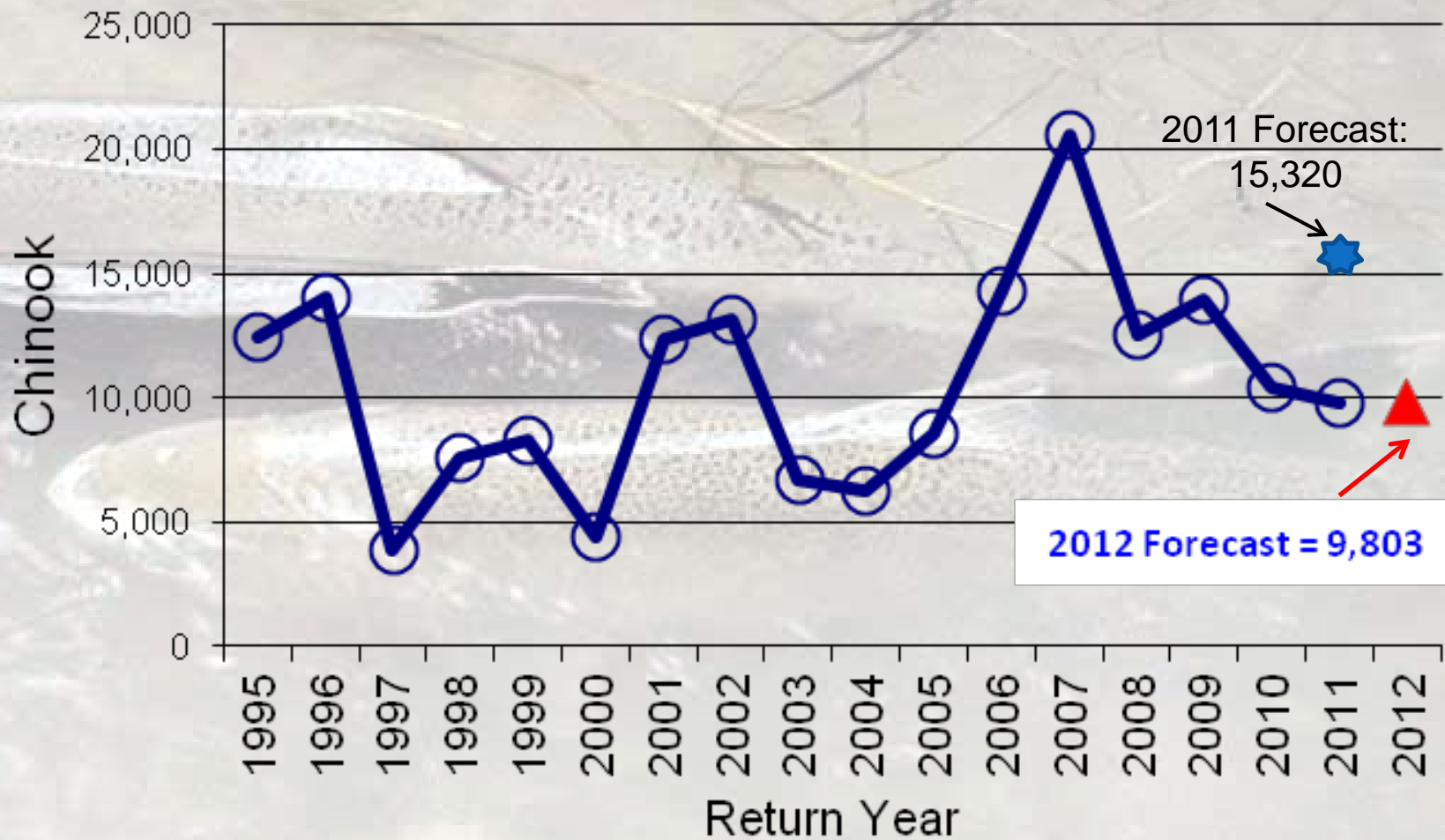
2012 Chinook – Puget Sound

Snohomish wild chinook escapement, 2012 forecast

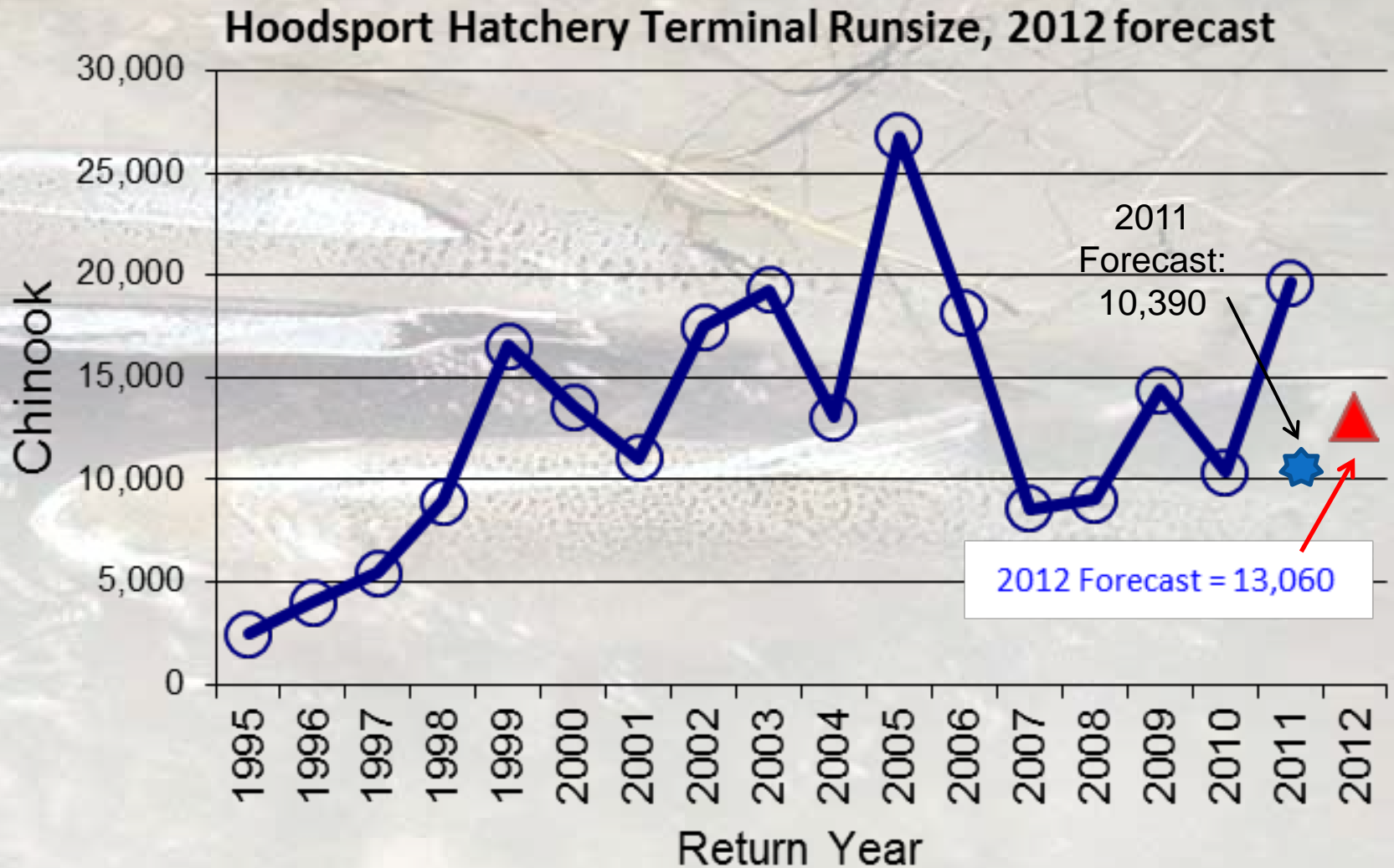


2012 Chinook – Puget Sound

Green R Hatchery Chinook Terminal Runsize, 2012 Forecast



2012 Chinook – Puget Sound



2012 Chinook – Puget Sound

Puget Sound Region Chinook - Preseason Forecast Comparisons (2012 vs 2011)

River Basin	2011	2012	Comparison of 2011/2012	Ceiling Harvest Rates	Low Abundance Threshold
Elwha	1,650	2,022	1.23	<10% So. U.S.	1,000
Dungeness	885	718	0.81	<10% So. U.S.	500
Nooksack N.F. Springs	1,818	1,552	0.85	<7% So. U.S.	1,000
Nooksack S.F. Springs	43	75	1.74	<7% So. U.S.	1,000
Skagit Springs	1,323	1,112	0.84	38% total	576
Skagit Summer/falls	14,504	8,530	0.59	50% total	4,800
Stillaguamish	1,888	1,005	0.53	25% total	650
Snohomish	7,419	2,883	0.39	21% total	2,800
Cedar	1,073	1,105	1.03	15% preterm So. U.S., 1680 Esc. Goal	200
Puyallup	2,766	3,134	1.13	50% total	500
Nisqually	1,644	1,496	0.91	56% RER	
Skokomish	1,994	2,620	1.31	50% RER	1,300
Mid Hood Canal	137	192	1.40	15% preterm So. U.S., 750 Esc. Goal	400
Total	37,144	26,444	0.71		

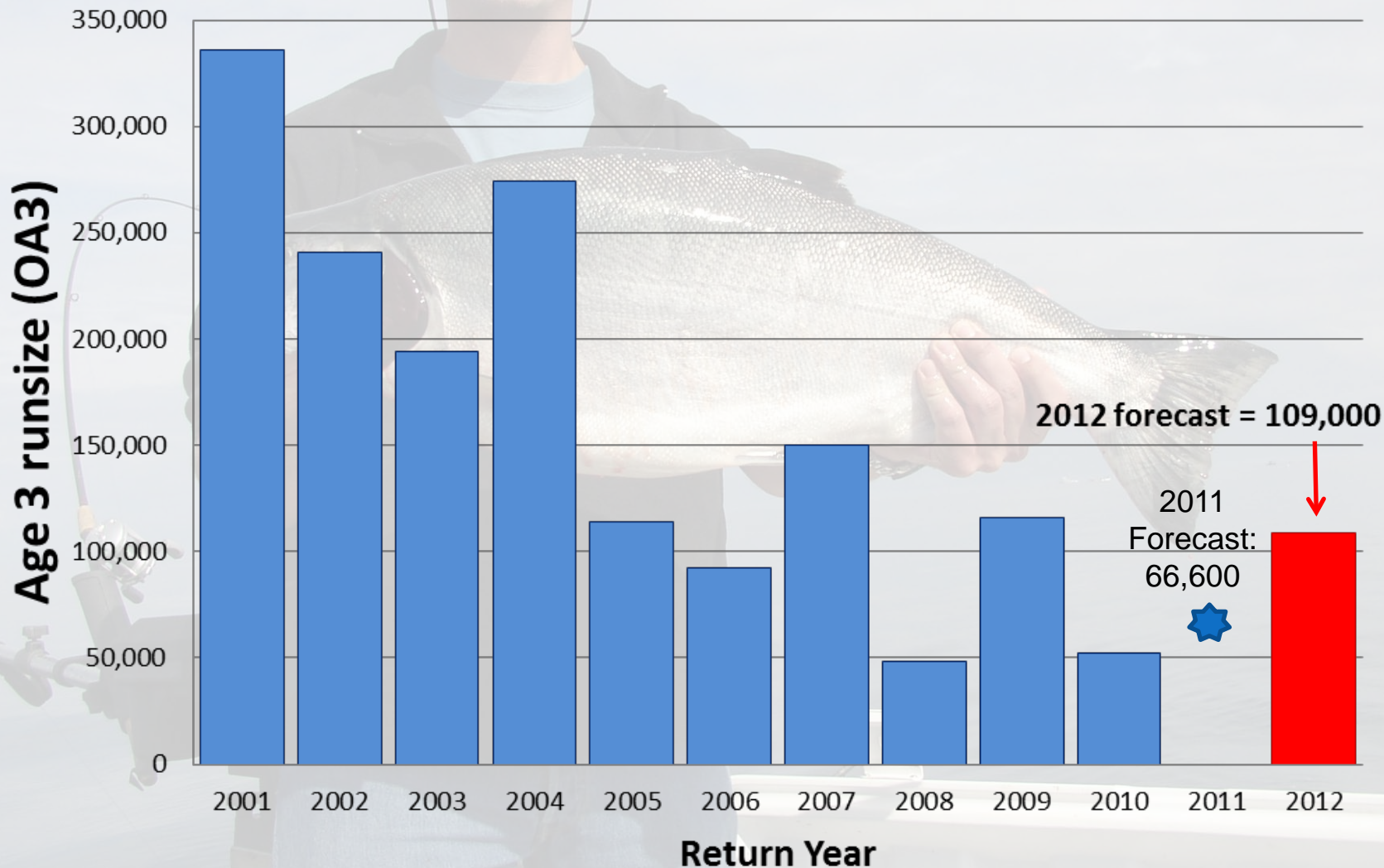
2012 Coho - Coast

Hoh R. Wild Coho Runsize (OA3), 2012 Forecast



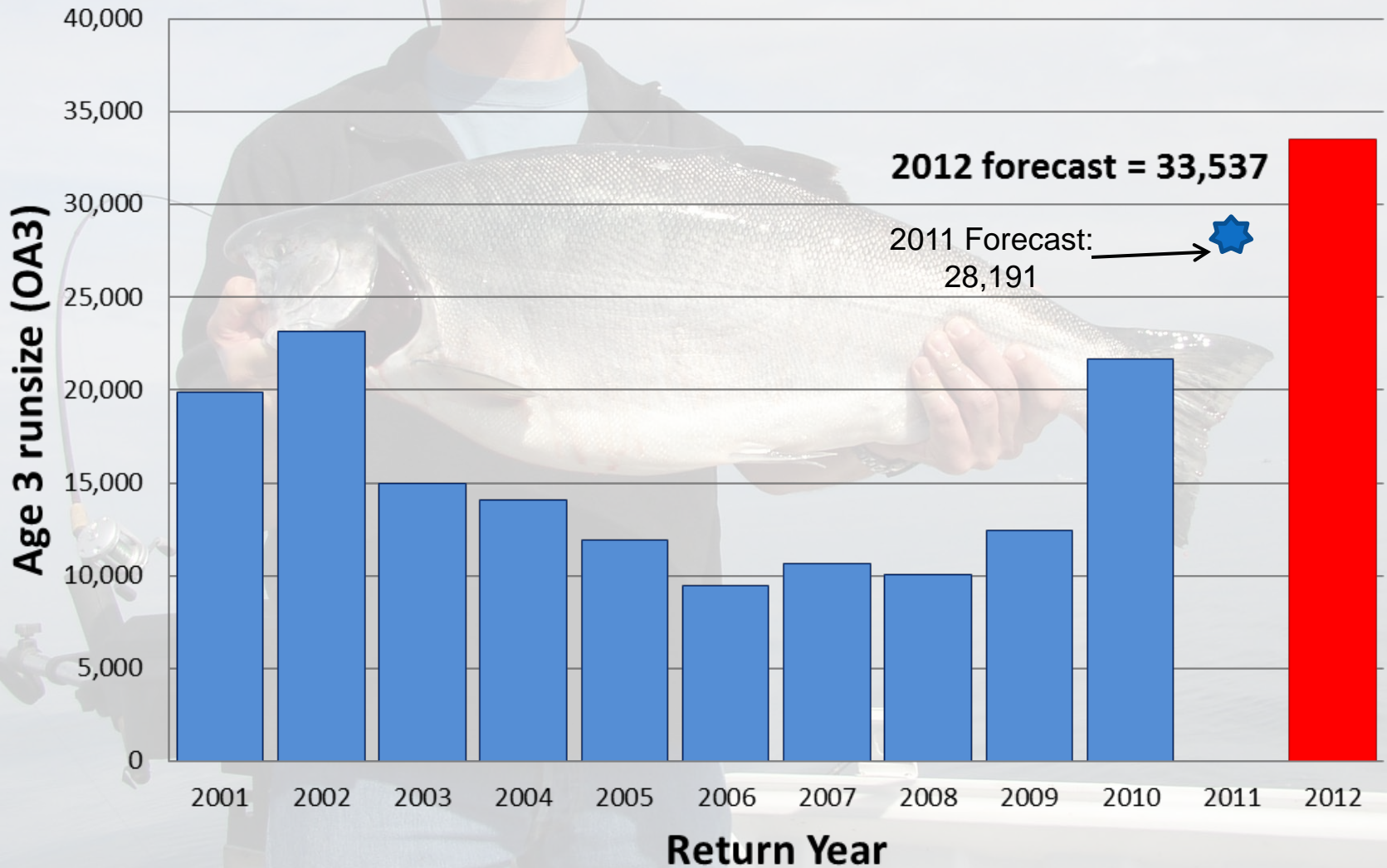
2012 Coho – Puget Sound

Snohomish R. Wild Coho Runsize (OA3), 2012 Forecast



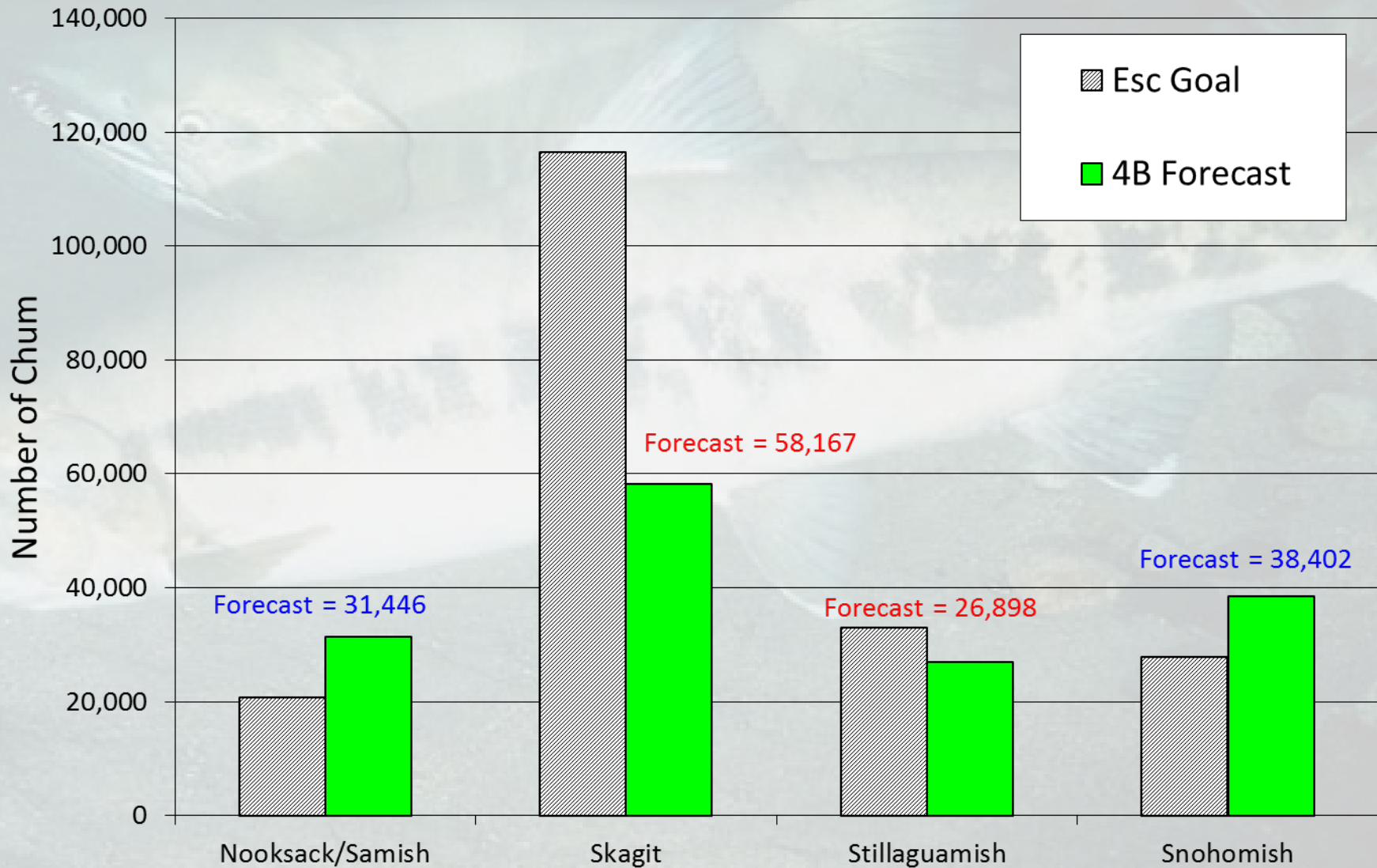
2012 Coho - Coast

Quillayute R. Fall Wild Coho Runsize (OA3), 2012 Forecast



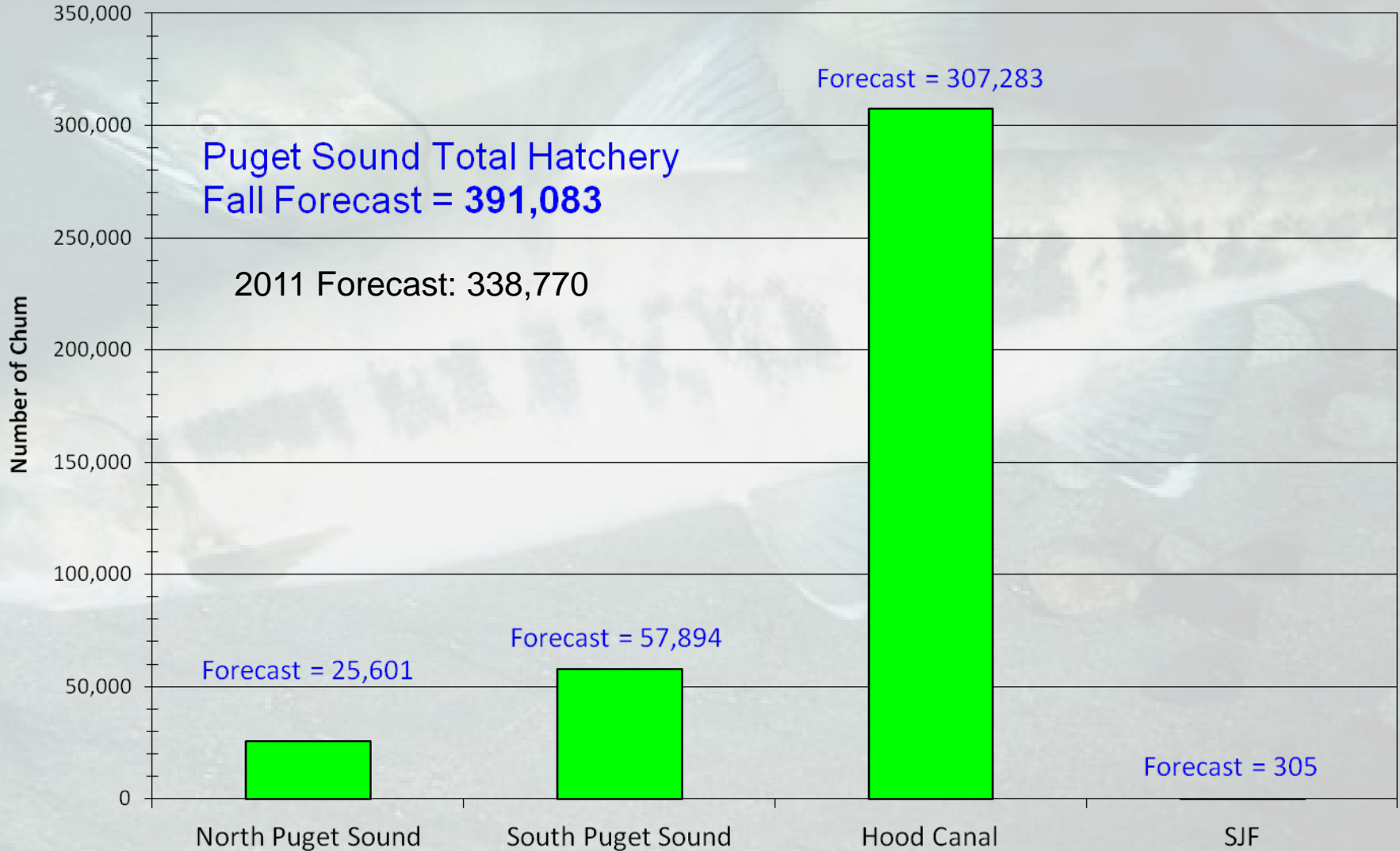
2012 Fall Chum – Puget Sound

2012 North Puget Sound Wild Fall Chum Forecasts



2012 Fall Chum – Puget Sound

2012 Puget Sound Total Hatchery Forecast



2012 Puget Sound / Coastal Coho

2012 Chinook – Puget Sound and WA Coast

