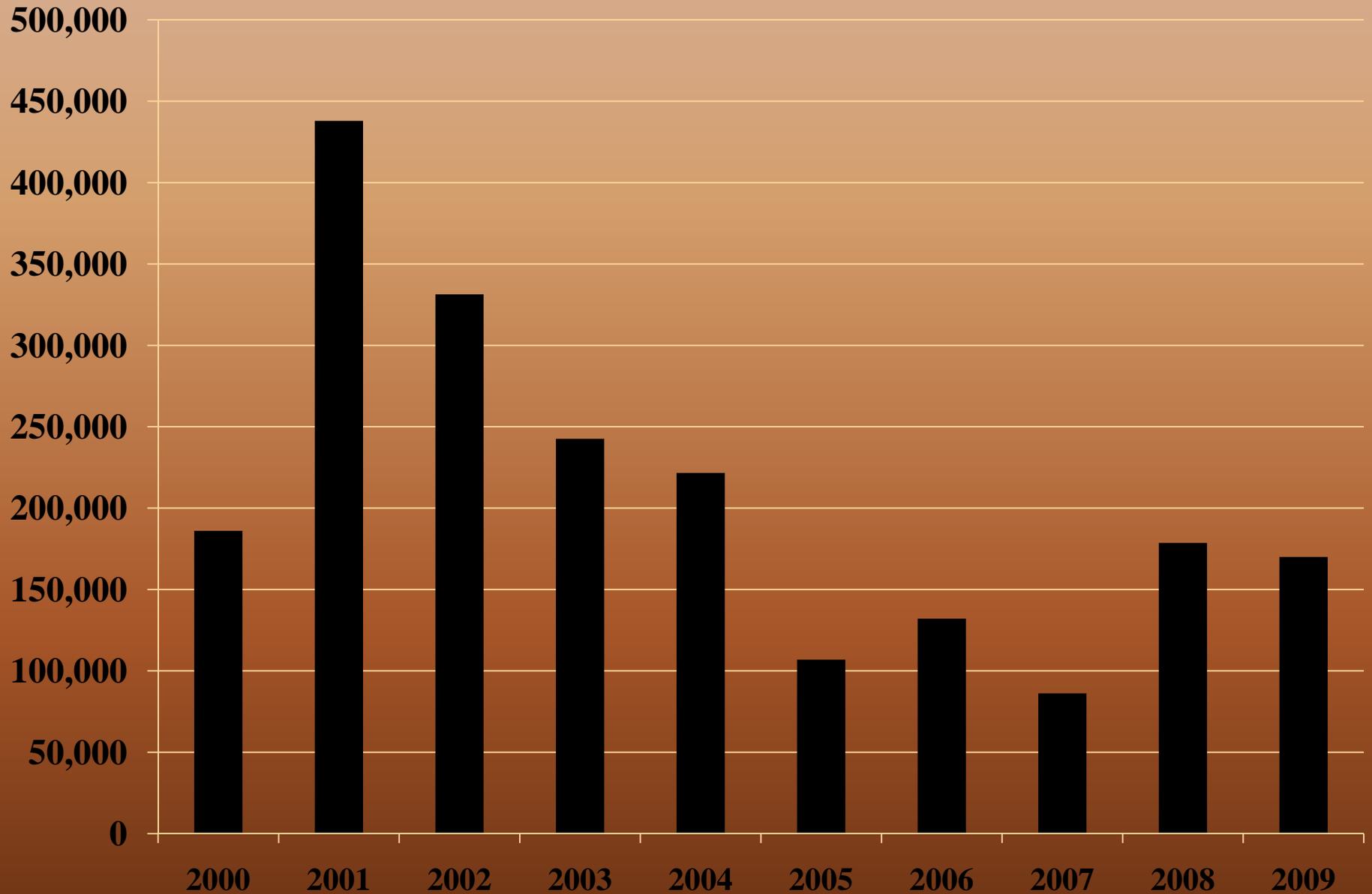


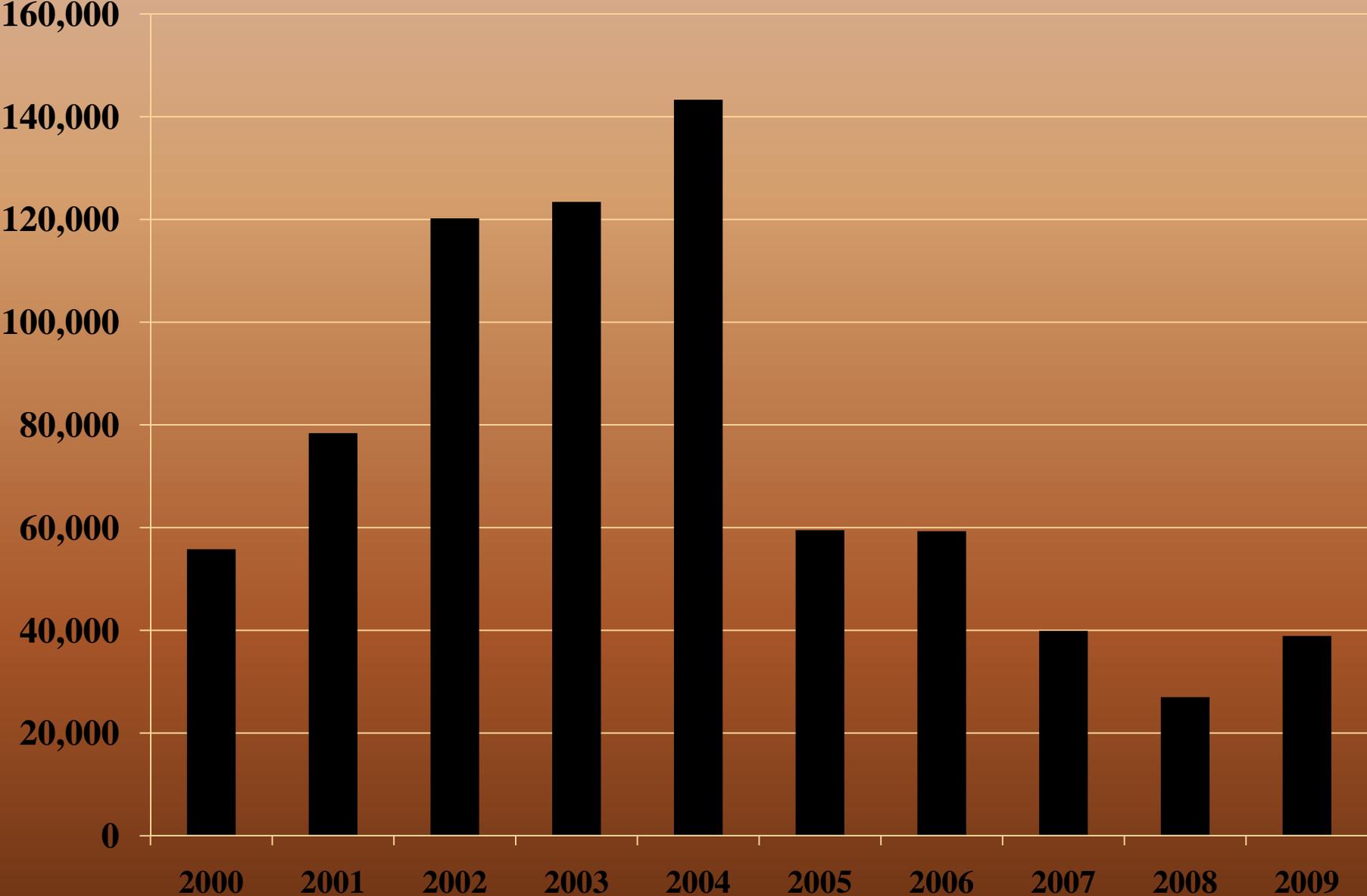
# 2010 Columbia River Spring Chinook Management



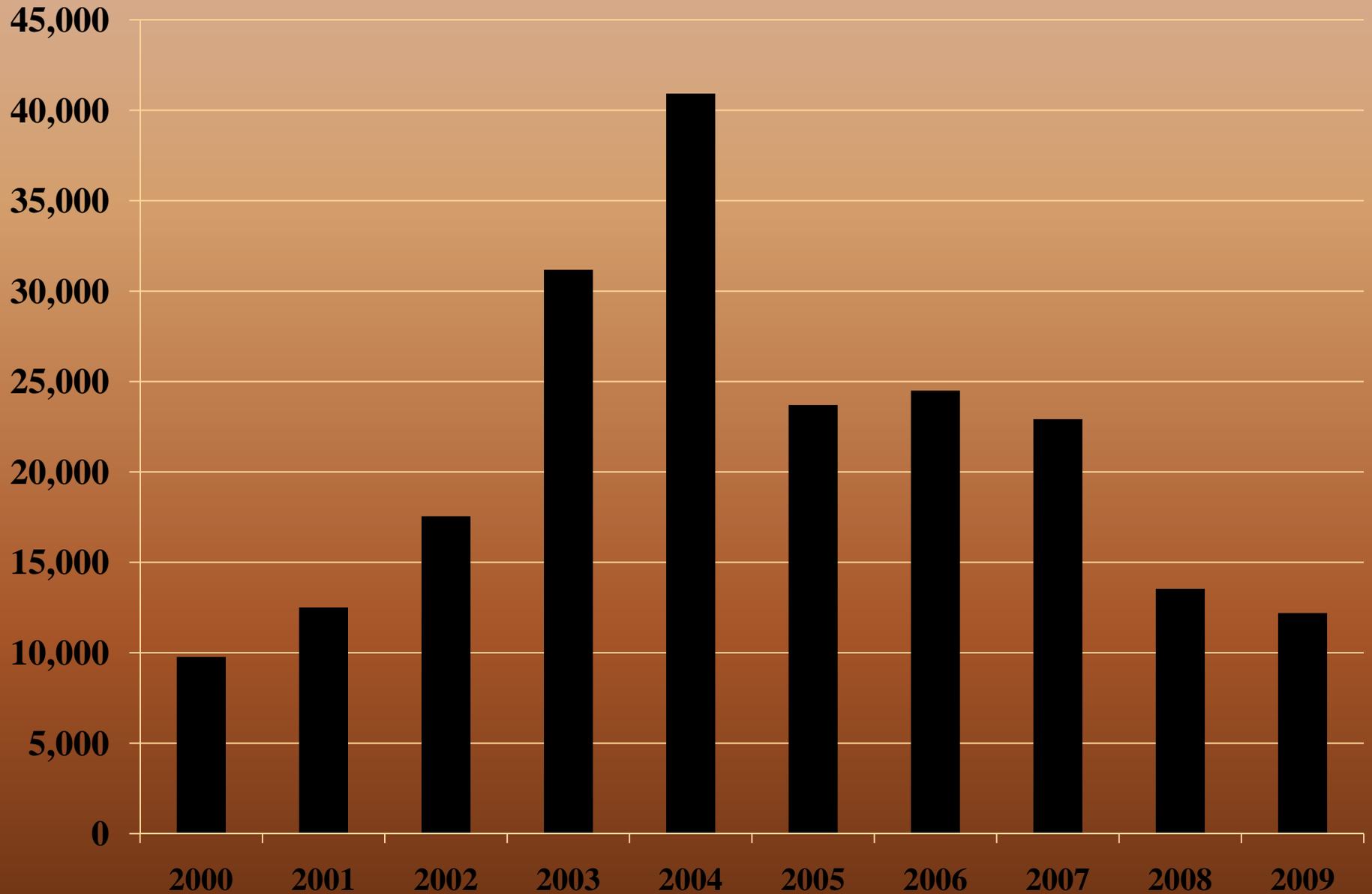
# Upriver Spring Chinook



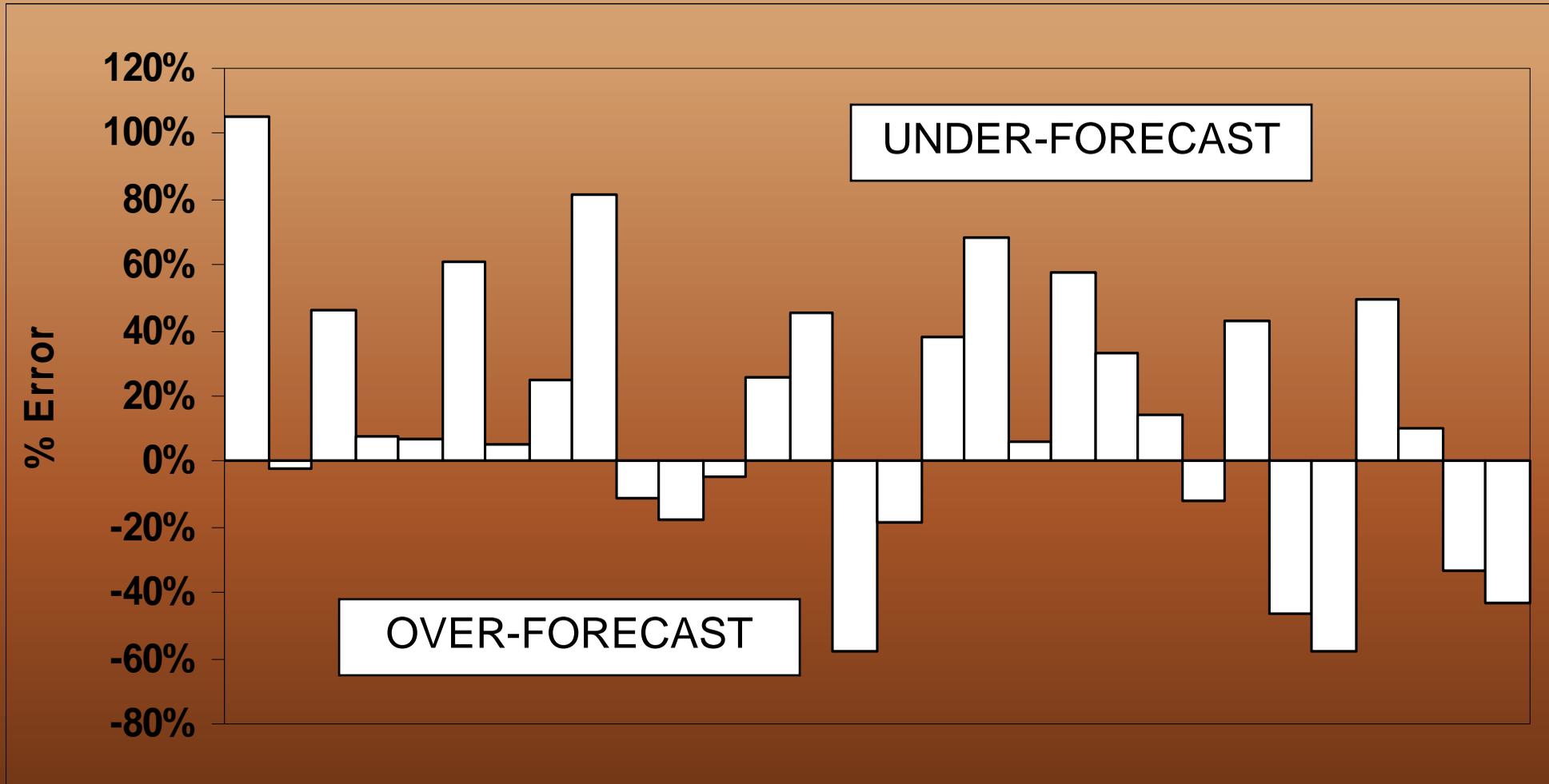
# Willamette Spring Chinook



# Cowlitz, Kalama, Lewis, Sandy Spring Chinook



# Error in Upriver Spring Chinook Forecast 1980-2009



# Non-Treaty ESA Impacts to Upriver Spring Chinook

Year	Forecast	Actual	Actual Impacts	Allowable Impacts
2002	333,700	331,300	1.87%	2.0%
2003	145,400	242,600	1.52%	2.0%
2004	360,700	221,600	<b>2.06%</b>	<b>2.0%</b>
2005	254,100	106,900	1.62%	2.0%
2006	88,400	132,100	1.30%	1.5% in-season; 2.0% post
2007	78,500	86,200	1.15%	1.5% in-season; 2.0% post
2008	269,300	178,600	<b>2.08%</b>	<b>1.90%</b>
2009	298,900	170,000	1.83%	1.90%
02-09 Average	228,600	183,700	1.68%	

# 2009 Commission Guidance

- Abundance-based harvest matrix
- Use of a conservation buffer
- Impacts reserved for Select Area fisheries
- Reserve 25% of recreational ESA impacts for fisheries above Bonneville

# *U.S. v Oregon* Management Agreement 2008-2017

- Sliding scale ESA impact rate schedule
- Includes provisions for equitable catch between non-treaty and treaty Indian fisheries
  - Non-treaty catch in 2008 and 2009 greater than treaty catch of upriver fish
- New guidelines in place for 2010-2012

# Catch and Release Mortality of Upriver Spring Chinook

Year	Non-Treaty	Treaty
2001	36,220	54,775
2002	35,494	33,465
2003	21,924	18,295
2004	30,296	17,484
2005	15,554	6,164
2006	13,864	8,401
2007	7,253	5,627
2008	27,818	20,561
2009	21,480	13,053
2002-2009		
Average	21,593	15,381

# Catch Balance

- 2008-2017
  - Non-treaty fisheries limited to the allowable catch in treaty Indian fisheries and within the ESA limits
- 2010-2012
  - Prior to a run size update non-treaty fisheries will be managed for a run size that is at least 30% less than the preseason forecast
- 2011
  - Buffer for 2011 non-treaty fisheries will increase (up to 40%) if 2010 harvest is “widely divergent” from treaty catch (5% or 1,000 fish)

# Harvest Rate Schedule

<b>Total Upriver Spring and Snake River Summer Chinook Run Size</b>	<b>Treaty Harvest Rate from US v Or</b>	<b>Treaty Catch Guideline</b>	<b>Non-Treaty Catch Guideline</b>	<b>Non-Treaty Harvest Rate from US v Or</b>
<141,000	(Varies; removed for clarity)			
141,000	9.10%	12,831	12,831	1.90%
217,000	10.00%	21,700	21,700	2.00%
271,000	10.80%	29,268	29,268	2.20%
326,000	11.70%	38,142	38,142	2.30%
380,000	12.50%	47,500	47,500	2.50%
434,000	13.40%	58,156	58,156	2.60%
488,000	14.30%	69,784	69,784	2.70%

# Fishery Management in 2010

Run forecast (2009 example)	300,000
Buffer (at 30% of run size)	<u>-90,000</u>
Buffered Run (at 70% of forecast)	210,000
<b>Prior to Run Size Update</b>	
Non-Treaty Impact Limit	1.9%
Treaty/Non-treaty catch at 210,000 run	19,100
<b>Season Total If Run = Forecast</b>	
Non-Treaty Impact Limit	2.2%
Treaty/Non-treaty catch at 300,000 run	32,400

# Three State Directors Agreement

The Directors of ODFW, WDFW, and IDFG agreed:

- That the *U.S. v Oregon* catch balance modification should address Idaho's concern about lower river fisheries harvesting the early-timed Idaho hatchery fish
- To send a letter to the three Commissions indicating further coordination between staffs preseason

# Summary

- Early season fisheries will be managed for at least a 30% buffer of the predicted run size
- Catch balance provision is more restrictive (~20%) than ESA impact limit



# Actual ESA Impact Sharing

<b>Year</b>	<b>Sport</b>	<b>Commercial</b>
2002	59%	41%
2003	55%	45%
2004	56%	44%
2005	62%	38%
2006	41%	59%
2007	61%	39%
2008	68%	32%
2009	69%	31%
<b>02-09 Average</b>	<b>59%</b>	<b>41%</b>

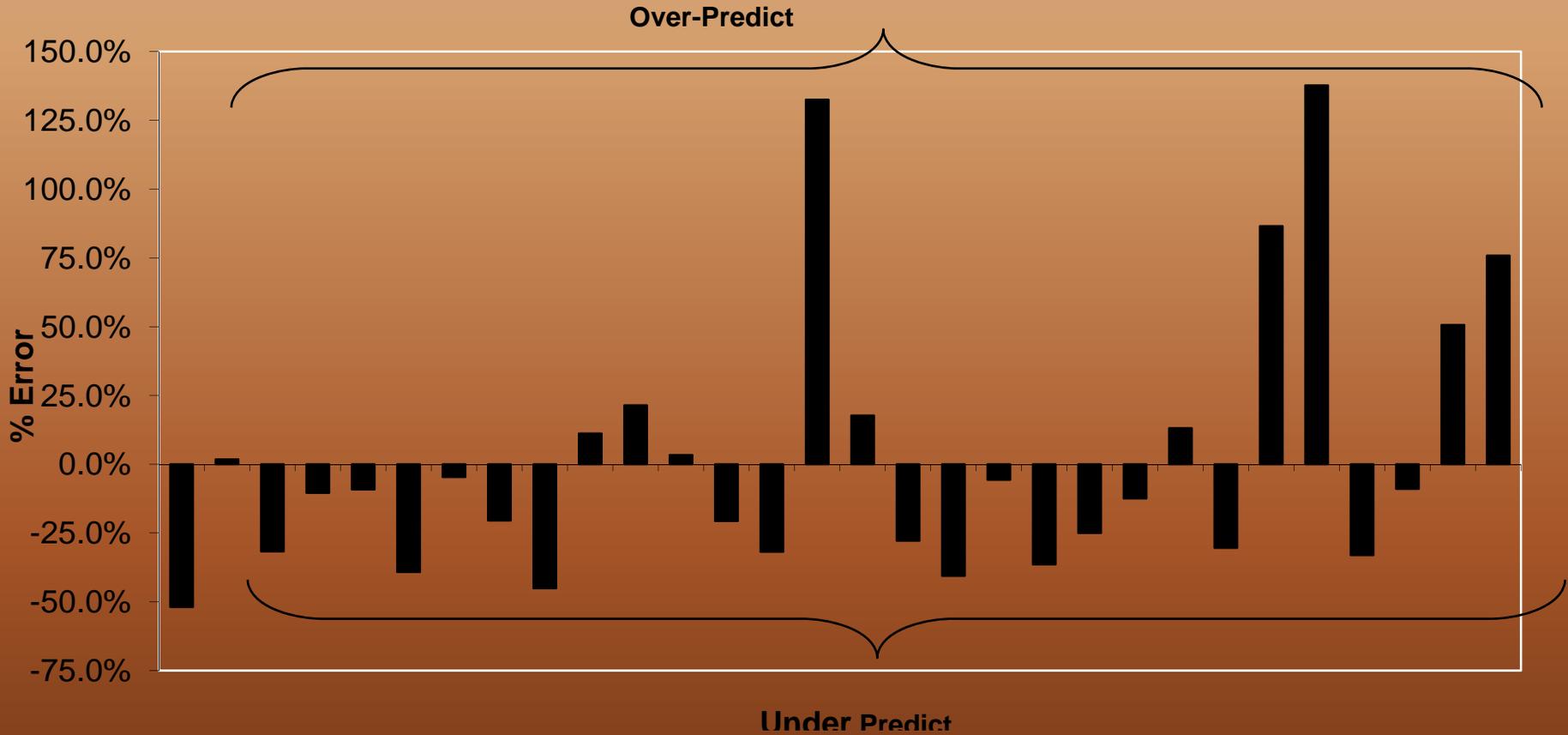
# Catch of Upriver Spring Chinook in Columbia River Fisheries

Year	Sport			Commercial	
	Below Bonneville	Bonneville to McNary	Snake River	Mainstem	SAFE
2001	21,358	73	1,506	1,579	474
2002	14,909	2,030	866	8,255	555
2003	8,833	2,072	513	2,085	400
2004	16,579	1,807	1,225	5,265	231
2005	6,956	680	77	2,017	14
2006	3,471	1,030	191	1,236	114
2007	3,486	969	283	1,342	48
2008	19,315	1,763	519	5,671	235
2009	15,449	284	498	4,325	135
<b>02-09 Average</b>	<b>11,125</b>	<b>1,329</b>	<b>522</b>	<b>3,775</b>	<b>217</b>

# Catch of Spring Chinook (all stocks) in Columbia River Fisheries

Year	Sport			Commercial	
	Below Bonneville	Bonneville to McNary	Snake River	Mainstem	SAFE
2001	25,815	73	1,506	6,665	9,269
2002	20,711	2,030	866	14,384	11,699
2003	17,384	2,072	513	3,048	7,806
2004	23,877	1,807	1,225	13,158	10,562
2005	11,354	680	77	5,189	2,406
2006	7,003	1,030	191	4,389	7,245
2007	6,815	969	283	2,877	6,774
2008	19,315	1,763	519	5,658	4,486
2009	16,923	284	498	4,372	3,060
<b>02-09 Average</b>	<b>15,423</b>	<b>1,329</b>	<b>522</b>	<b>6,634</b>	<b>7,034</b>

# Error in Upriver Spring Chinook Forecast 1980-2009



# 2010 Columbia River Spring Chinook Management

November 5 – Vancouver, WA  
November 10 – Astoria, OR



*Washington*  
*Department of*  
***Fish and***  
***Wildlife***

*Oregon*  
*Department of*  
***Fish and***  
***Wildlife***

