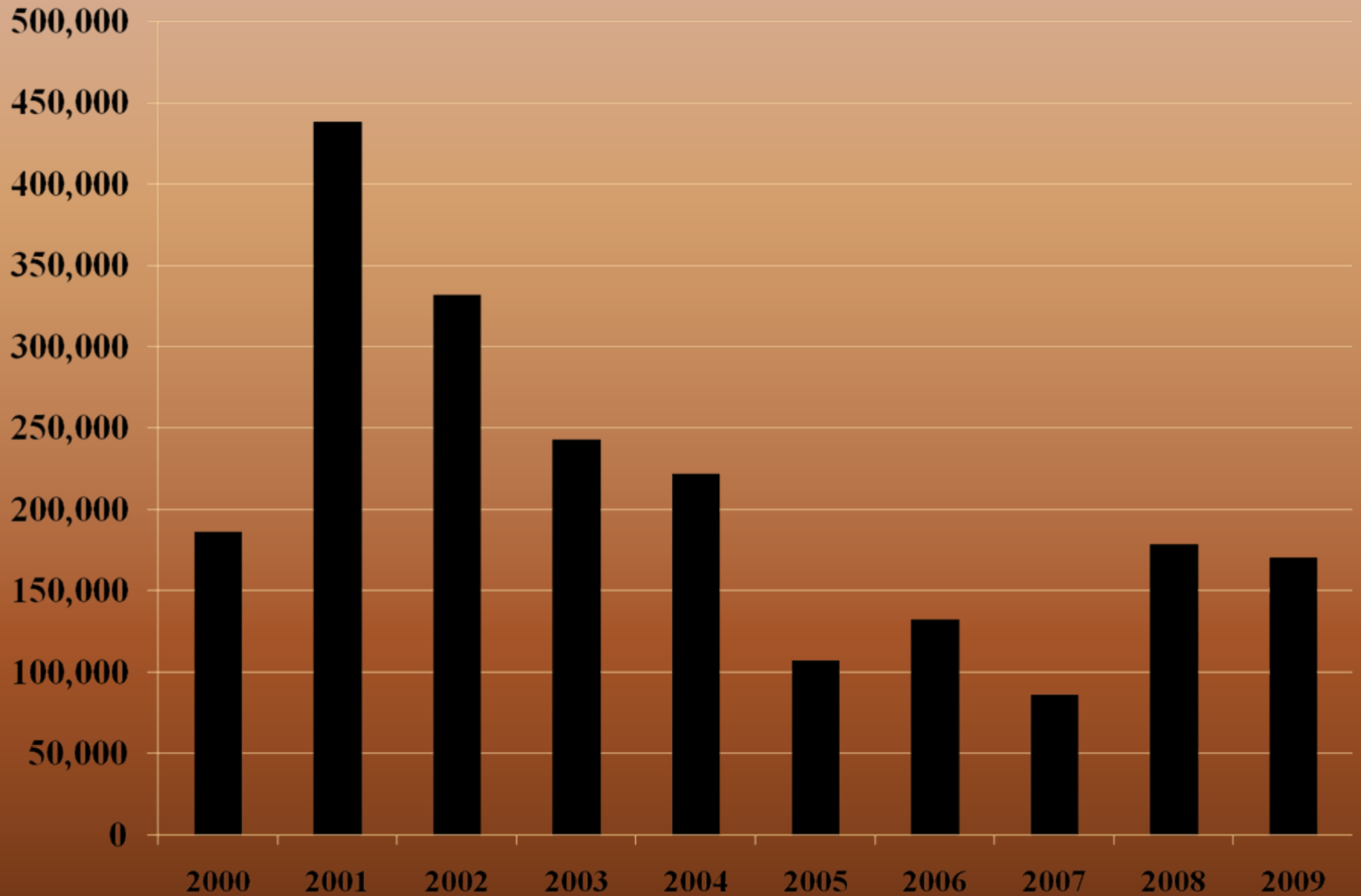


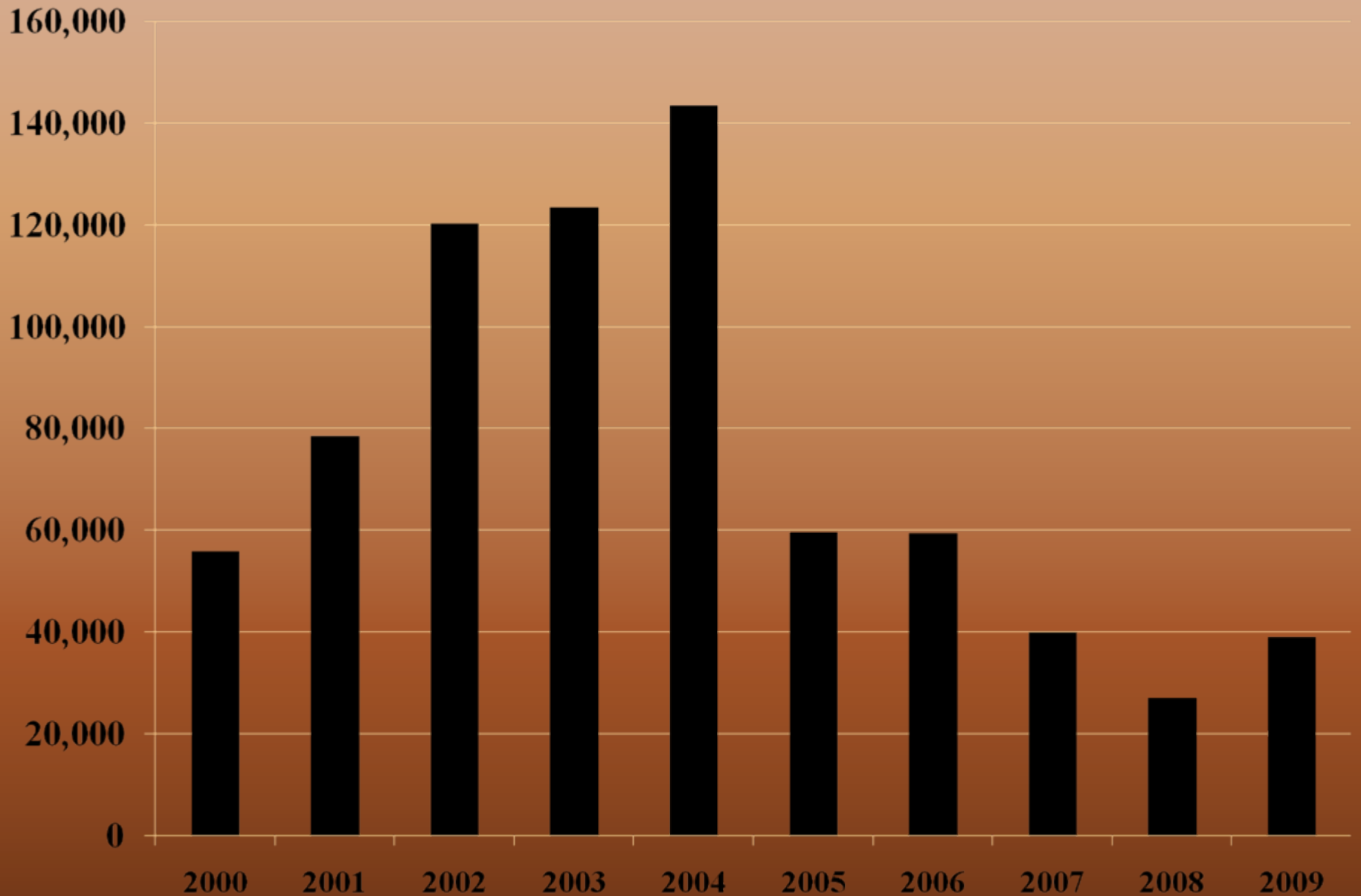
# 2010 Columbia River Spring Chinook Management



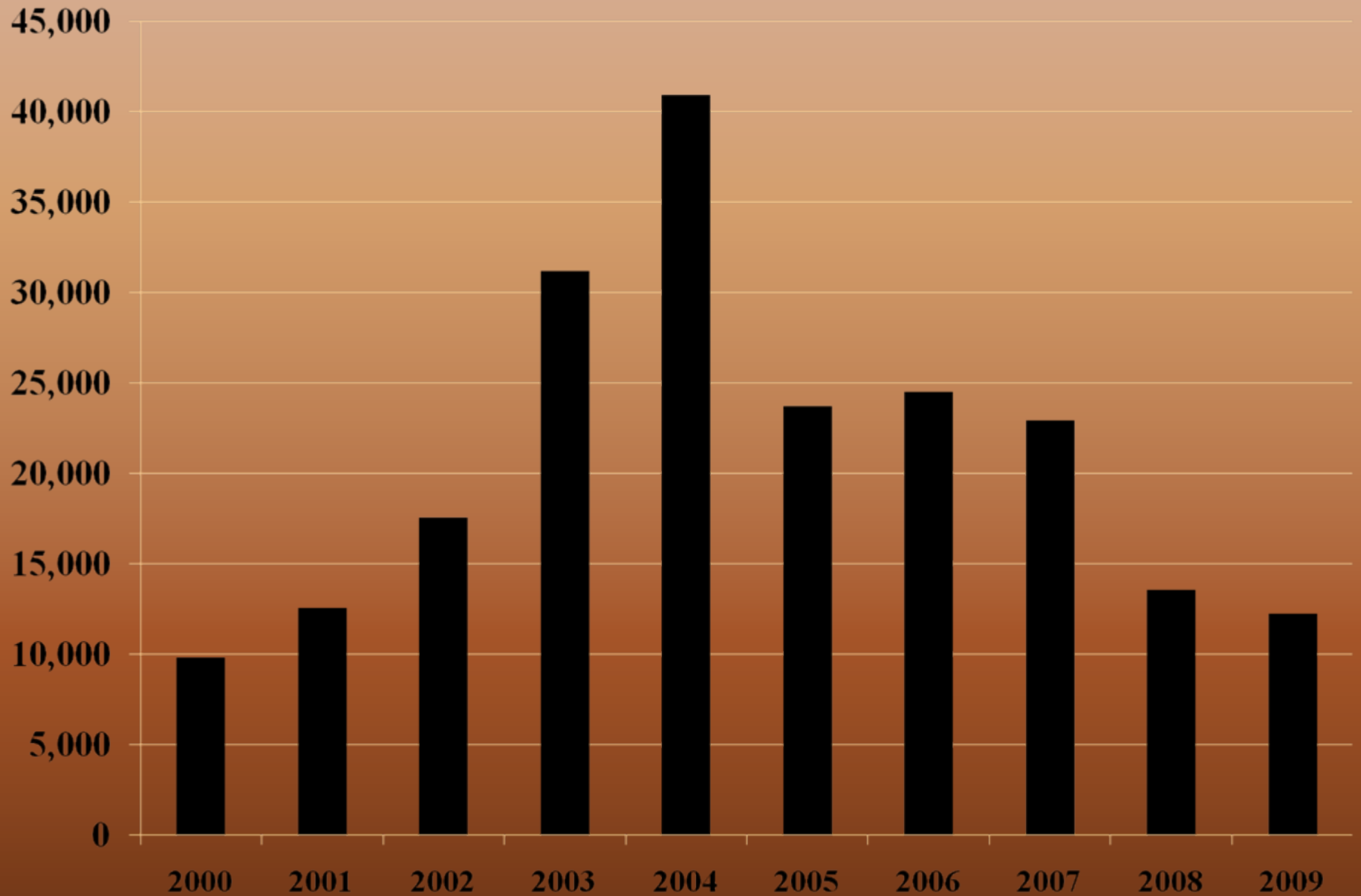
# Upriver Spring Chinook



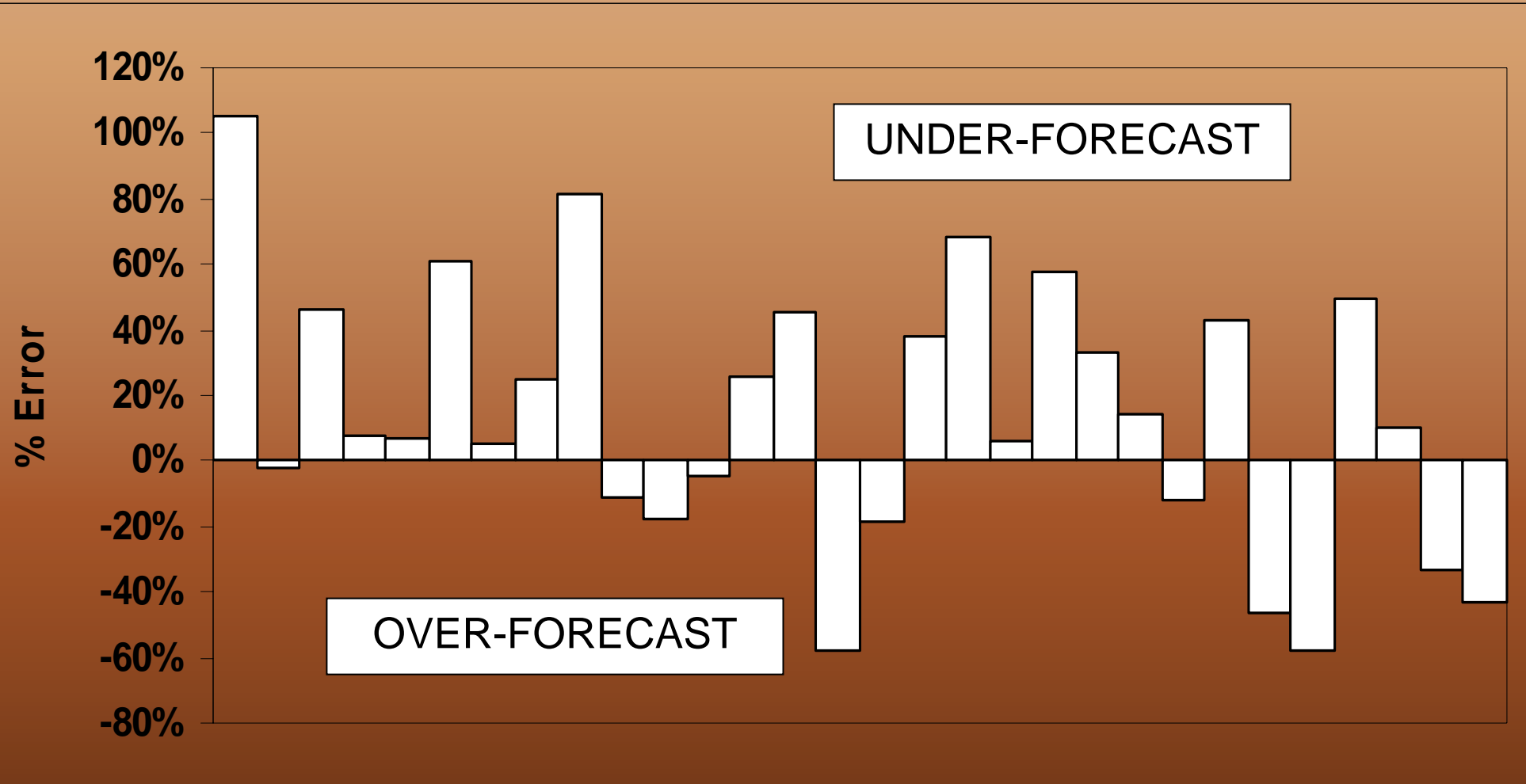
# Willamette Spring Chinook



# 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

