

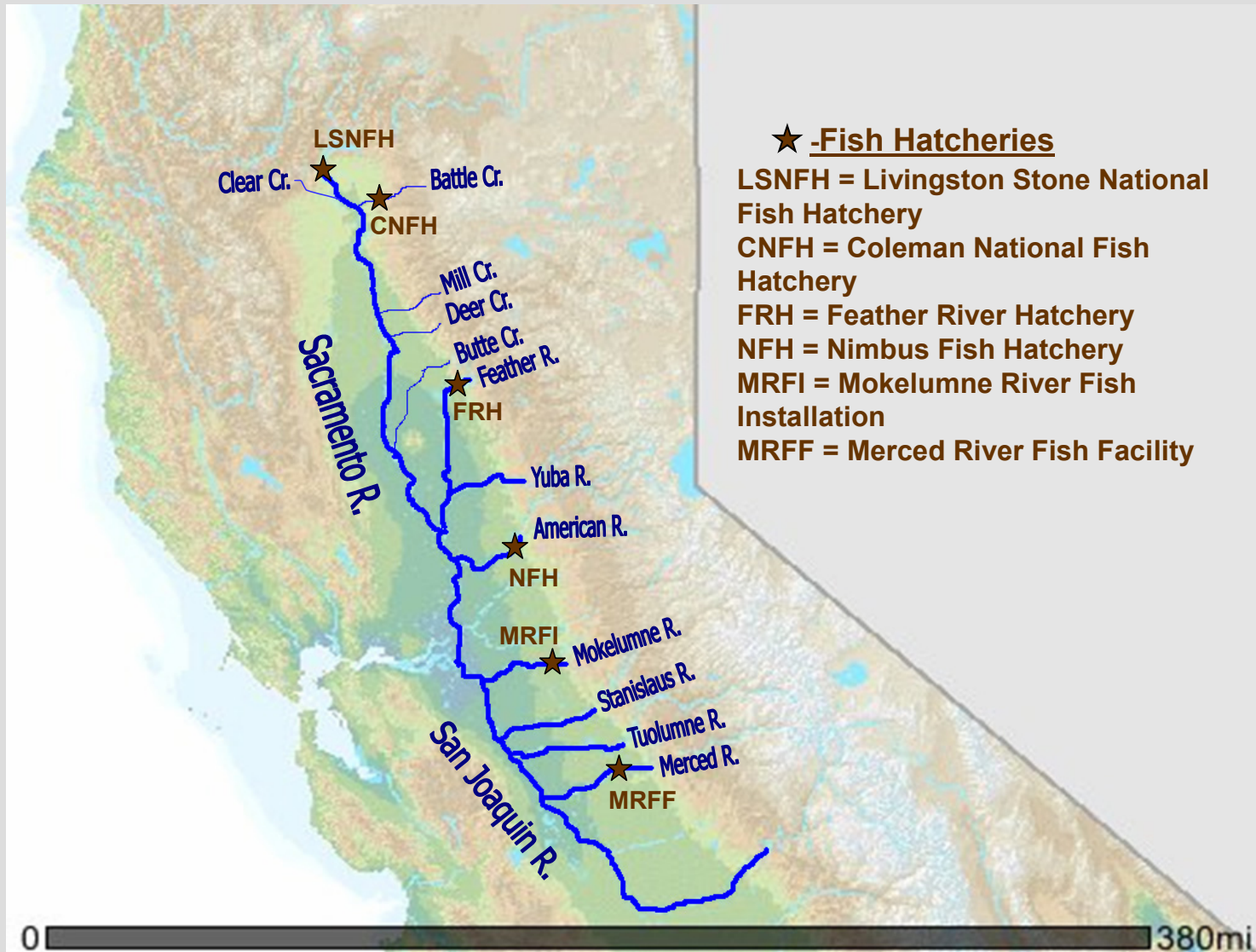


# Department of Fish and Game Marine Region - Ocean Salmon Project

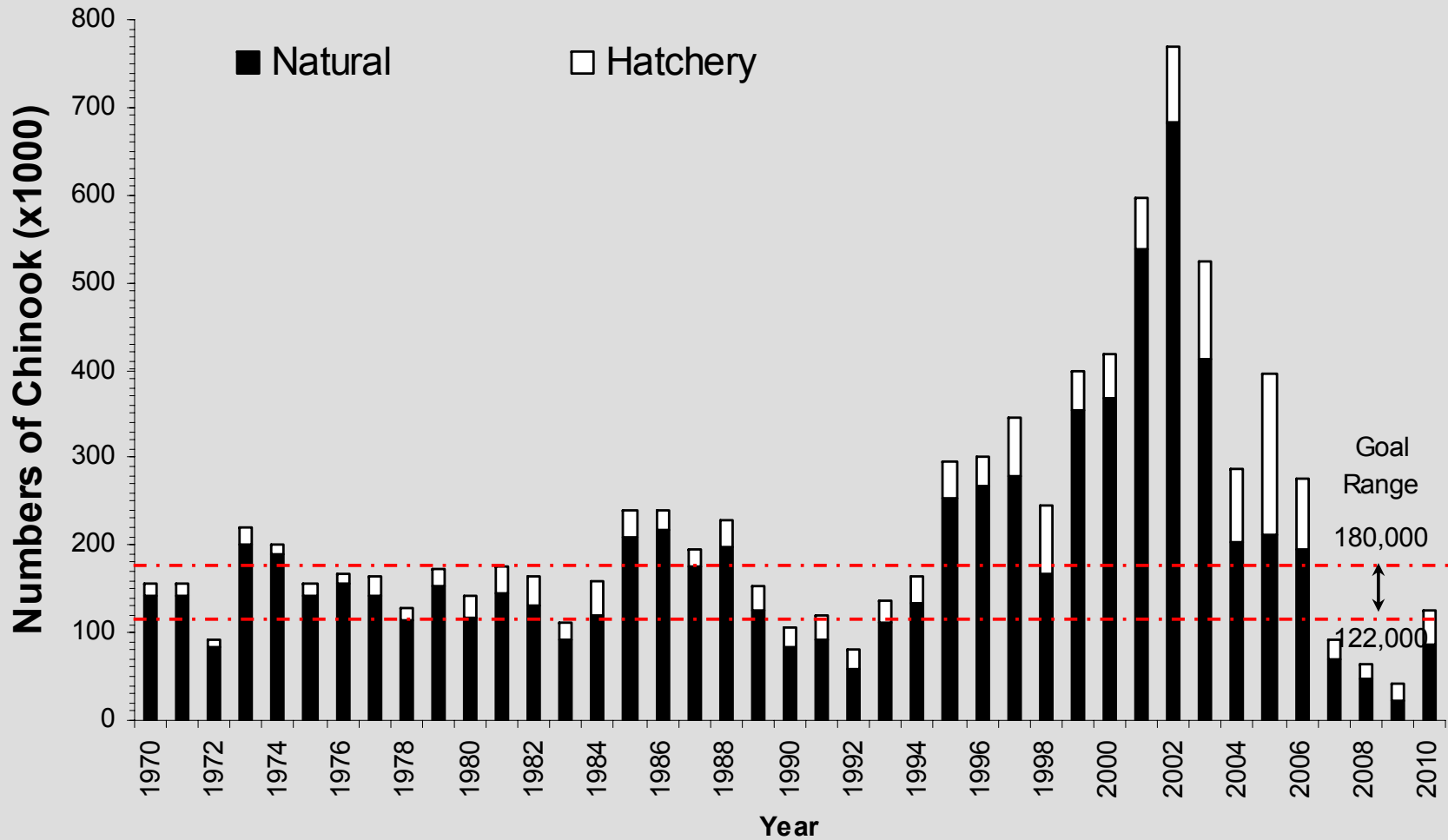
## 2010 Central Valley Chinook Escapement Estimates

Presented by  
Brett Kormos

# The Central Valley



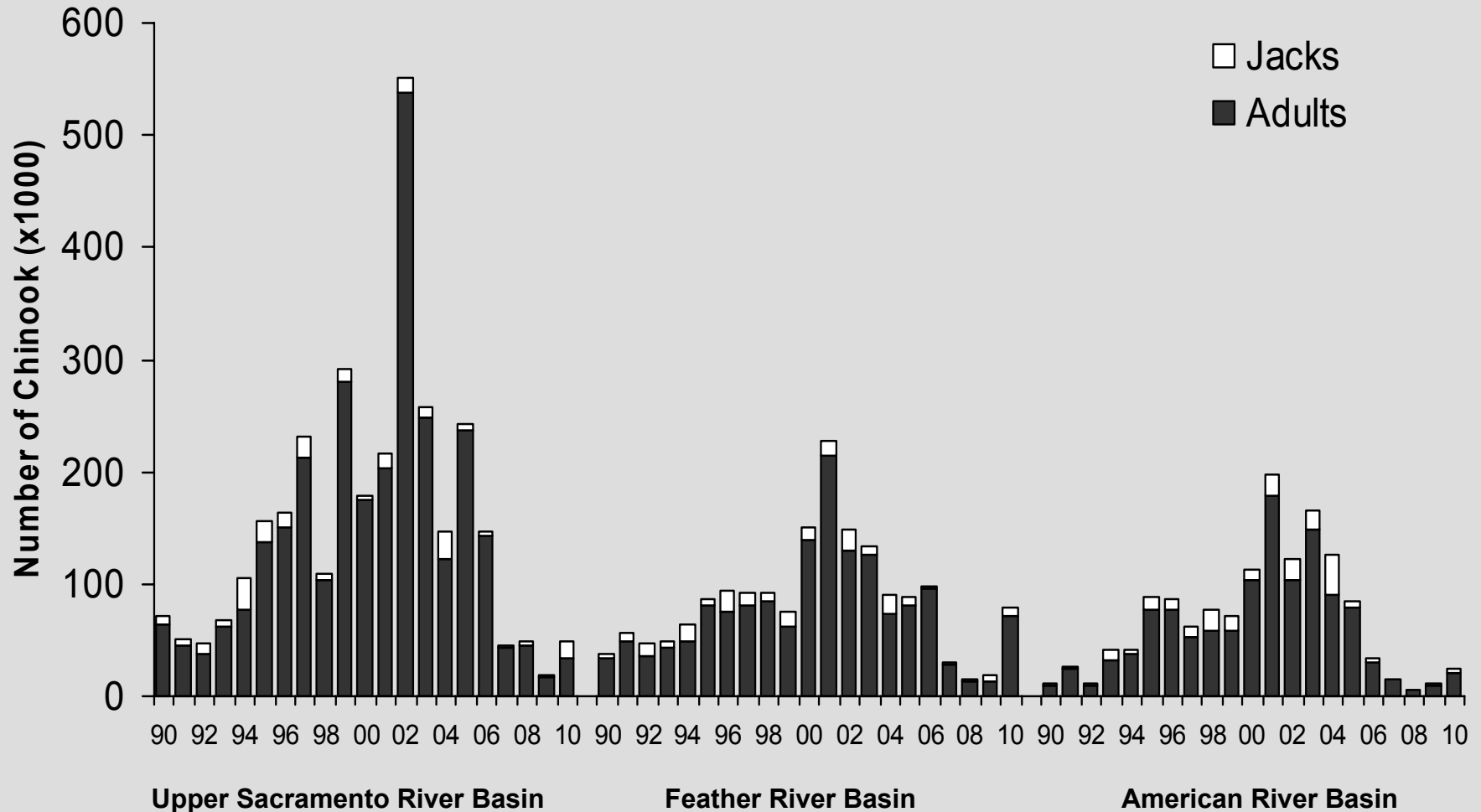
# Sacramento River Fall Chinook Adult Spawning Escapement 1970-2010



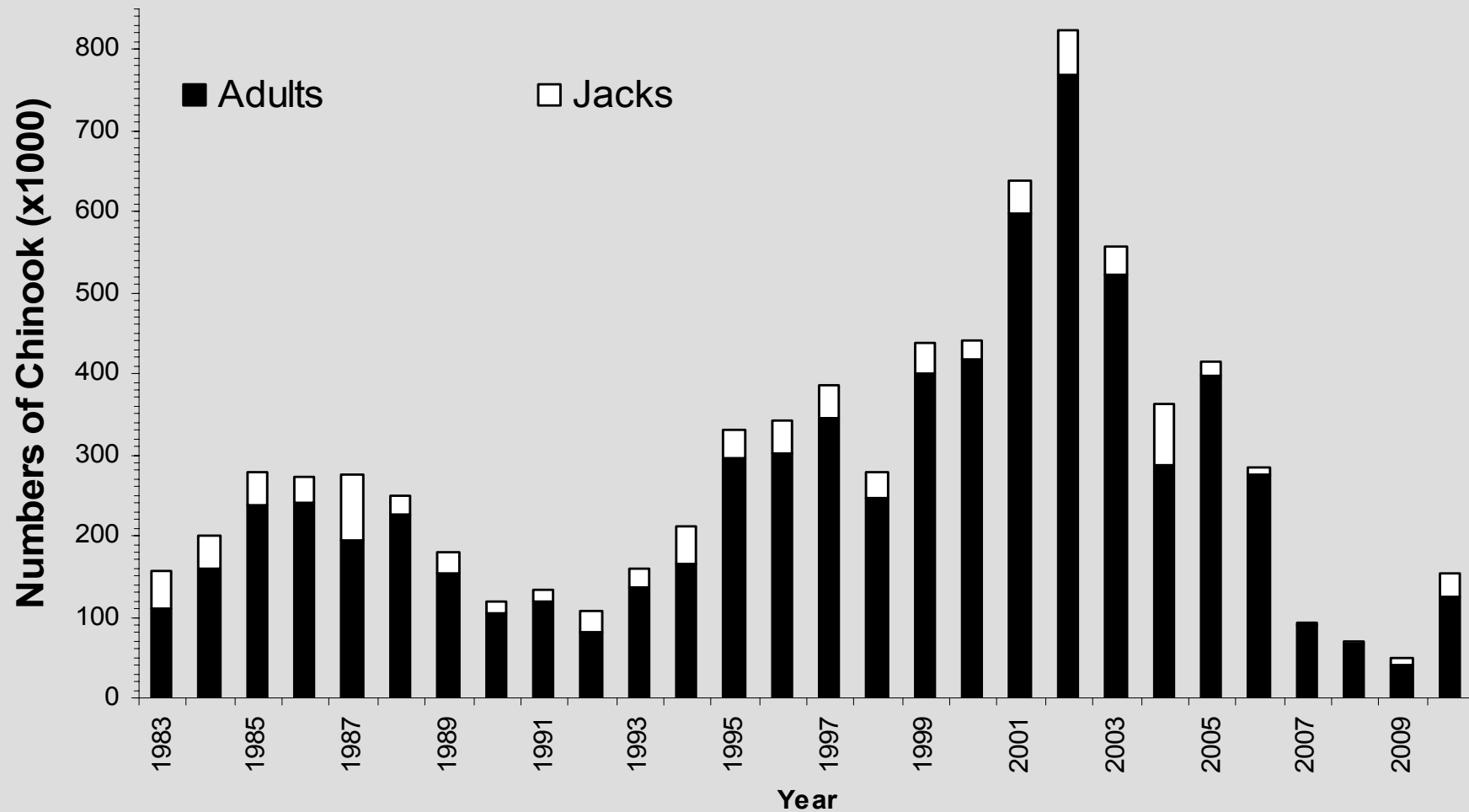
## 2010 Sacramento River Fall Chinook Hatchery and Natural Escapement

		Jacks	Adults	Total	% Jack	% SRFC Total
Upper Sacramento River Basin	Hatchery	8,572	8,666	17,238	50%	11%
	Natural	6,872	25,682	32,554	21%	21%
Feather River Basin	Hatchery	2,757	17,215	19,972	14%	13%
	Natural	5,151	54,138	59,289	9%	39%
American River Basin	Hatchery	2,389	13,821	16,210	15%	11%
	Natural	1,742	5,831	7,573	23%	5%
Total 2010 SRFC Escapement		27,483	125,353	152,836	18%	100%

# Sacramento River Fall Chinook Escapement Estimates 1990 - 2010



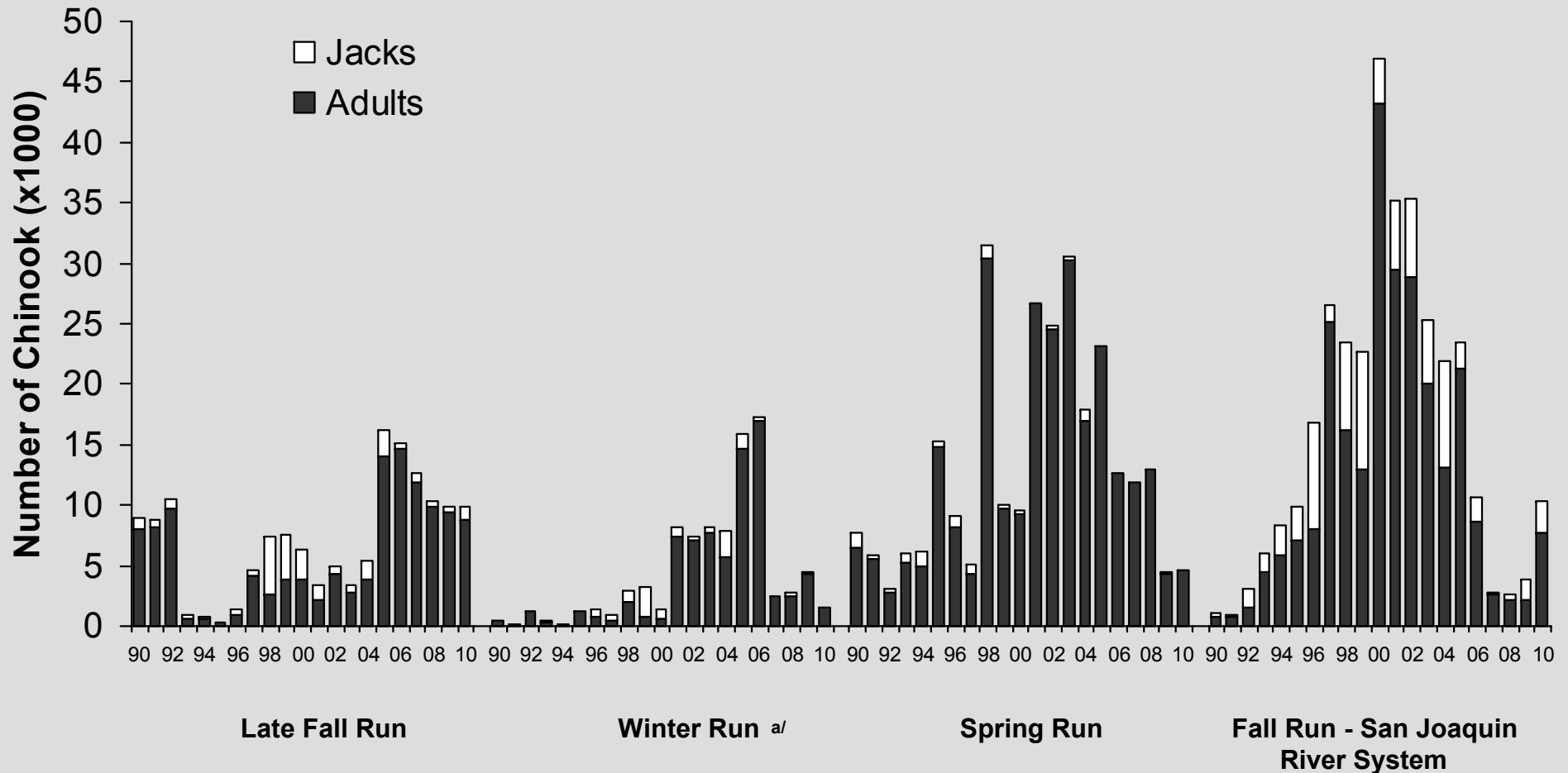
# Sacramento River Fall Chinook Total Spawning Escapement 1983-2010



## 2010 Other Central Valley Chinook Stocks Hatchery and Natural Escapement

		Jacks	Adults	Total	% Jack
Central Valley Late Fall Chinook	Hatchery	824	4,618	5,442	15%
	Natural	176	4,229	4,405	4%
	Total	1,000	8,847	9,847	10%
Sacramento River Winter Chinook	Natural	41	1,555	1,596	3%
	Total	41	1,555	1,596	3%
Central Valley Spring Chinook	Hatchery	6	1,655	1,661	0.3%
	Natural	----	2,951	2,951	----
	Total	6	4,606	4,612	----
San Joaquin Fall Chinook	Hatchery	1,764	3,658	5,422	33%
	Natural	934	4,003	4,937	19%
	Total	2,698	7,661	10,359	26%

# Other Central Valley Chinook Stocks Escapement Estimates 1990 – 2010



a/ Change in methodology from RBDD counts to carcass survey in 2001.