



# Kokanee Production and Management In California

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# Kokanee

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- A photograph of two Kokanee salmon resting on a rocky riverbed. The fish are positioned horizontally, one above the other. They have a silvery body with a prominent pinkish-red stripe running along the side. The background consists of various sized, wet, brown and grey rocks.
- Introduced to California in 1941
  - Fluctuating water levels
  - Plankton Feeder / Fall-Spawner



# Kokanee Egg Take Sites

Little Truckee River, Sierra County & Taylor Creek, El Dorado County  
Tahoe Basin



# Little Truckee River





# Temporary Weirs





# Just Add Water





# Maintenance





# Spawning Day

















# Spawning results for the Little Truckee River 2009

- October 7, 2009
- A total of 1,041 females were spawned yielding 657,620 green eggs
- A fecundity of 631 eggs per female
- Mean size: Male 365mm / 14.3"  
Female 340mm / 13.4"



# Taylor Creek

















# Spawning Procedures

- Spawning is performed at a 3 : 5 ratio (males to females)
- Eggs are manually stripped into an aluminum spawning pan
- Eggs are water hardened for one hour in 1% iodine solution









# San Joaquin Hatchery









# Spawning Results for 2009

- October 7, 20 and 22, 2009
- A total of 2,945 females were spawned yielding 1,811,762 green eggs
- A fecundity of 615 eggs per female
- 10.0% egg mortality from fertilization to eyed-stage (first lot)
- Out-of-state eggs = 0









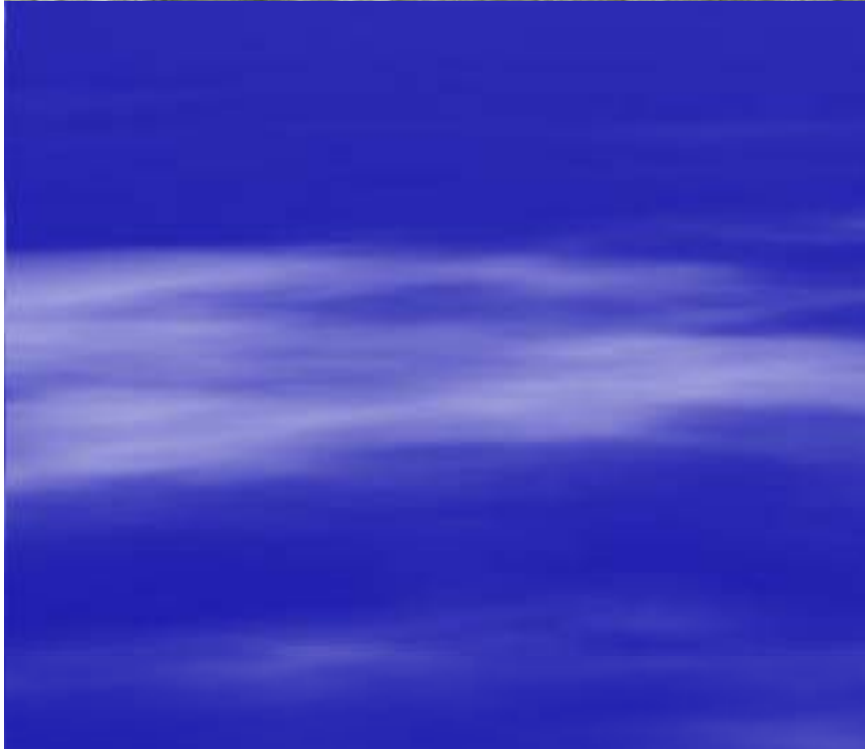








# Stocking





# Management

## Proposed Kokanee allotments for California inland waters 2010

Water	Region	County	Mark	Numbers
Whiskeytown	(1) N	Shasta		25,000
subtotal				25,000
Boca	(2) NC	Nevada		50,000
Bowman	(2) NC	Nevada		10,000
Bullards Bar	(2) NC	Yuba		100,000
Donner	(2) NC	Nevada		50,000
Folsom	(2) NC	Sacramento	yes	100,000
Hell Hole	(2) NC	Placer		25,000
Indian Valley	(2) NC	Lake		50,000
Little Grass Valley	(2) NC	Plumas		20,000
Scotts Flat	(2) NC	Nevada		25,000
Stampede	(2) NC	Sierra		75,000
Tahoe (Taylor Cr.)	(2) NC	El Dorado		150,000
Union Valley	(2) NC	El Dorado		50,000
subtotal				705,000
Berryessa	(3) BD	Napa		50,000
Del Valle	(3) BD	Alameda		20,000
subtotal				70,000
Bass	(4) C	Madera		50,000
Don Pedro	(4) C	Tuolumne		10,000
Huntington	(4) C	Fresno		10,000
McClure	(4) C	Mariposa		20,000
New Melones	(4) C	Tuolumne		100,000
Pine Flat	(4) C	Fresno		25,000
Shaver	(4) C	Fresno		50,000
subtotal				265,000
Total				1,065,000









# Acknowledgements

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(Central California Inland Fisheries Foundation)