

# San Joaquin River Restoration Program



*Overview*

10(a)1(A), ENHANCEMENT OF SPECIES  
PERMIT APPLICATION

for the

Re-Introduction of Central Valley

Spring-Run Chinook Salmon into the San Joaquin River

U.S. Fish and Wildlife Service

In Cooperation with:

National Marine Fisheries Service

Bureau of Reclamation

California Department of Fish and Game





# Restoration Goal

- Restore flows From Friant Dam to the confluence of the Merced River
- Channel improvements flow conveyance
- Fish passage and habitat
- Reintroduce Chinook Salmon





## OBJECTIVES:

- Develop a naturally reproducing and self-sustaining population of spring-run Chinook salmon in the San Joaquin River.
  
- Not to adversely effect the population viability of the Evolutionary Significant Unit(ESU) and/or the source streams



## §10(a)1(A) Application Overview

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- ❖ On December 27, 2011 the final version of the §10(a)1(A) application was submitted to NMFS.
- ❖ This permit application is envisioned as the first step in an iterative process...other applications or amendments may be developed in the future, as warranted.
- ❖ This first application relies on the use of Feather River Hatchery spring-run Chinook salmon for initial reintroduction efforts.
- ❖ Permit would run from fall of 2012 through fall 2017.



# Key Provisions of the Application

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- ❖ Donor Stock
- ❖ Collection Numbers and Lifestages
- ❖ Annual Process



## Key Provisions of the Application Donor Stock

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- All stock will come from the Feather River Fish Hatchery.
- Collected stock will be surplus to Feather River Fish Hatchery operations.
- A minimum of 50 crosses will be selected throughout the spawning season to maximize genetic diversity.



## DONOR STOCK SELECTION

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### OBJECTIVES:

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## DONOR STOCK SELECTION ORIGINAL APPLICATION

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- Originally application proposed multi-stock approach
- Collections from donor streams (Mill, Deer, Butte)
- Annual process for proposing collections
  - Decision matrix (avoiding impacts)
  - Criteria based on Lindley et al. 2007
    - Annual run size
    - Abundance trajectory





## DONOR STOCK SELECTION ORIGINAL APPLICATION

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- Feedback on permit application
  - Concerns over impact to donor streams
    - Public comments / agency discussions
- Permitting Strategy
  - Relies on FRFH stock initially
  - Agree upon conditions for in-stream collections
  - Monitor donor stock status
  - Develop additional applications if conditions are met.



# Key Provisions of the Application Collection Numbers

Collection Type	Collection Source	Targeted Lifestage	Disposition Location	Max Years 1-3	Max Years 4-
Primary	Feather River Fish Hatchery	Juveniles	Conservation Facility	560	2,760
	Feather River Fish Hatchery	OR Eyed Eggs	Conservation Facility	560	2,760
	Feather River Fish Hatchery	Juveniles	Translocation to SJR	54,400 @ fingerling	54,400 @ fingerling
	Feather River Fish Hatchery	OR Eyed Eggs	Translocation to SJR	80,000	80,000

- Collections for Conservation Facility stock and direct translocation.
- Collected as eggs or juveniles



## Key Provisions of the Application Annual Process

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- Annual Donor Stock Collection Plans will be developed by a multi-agency technical team to describe the collection plan for each year.
- A year-end report will summarize any differences between the anticipated actions and what occurred, and any adaptive processes under review.



## CONSERVATION SCENARIO

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- Progressive implementation to reach the Settlement goals over time
- Conserving the donor populations in source streams
- Successful restoration and reintroduction in the SJR



# More Information

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- Program website
  - [www.restoresjr.net](http://www.restoresjr.net)
- Program Documents
  - Program Management Plan
  - Fisheries Management Plan
  - Reintroduction Strategy for Spring Chinook
- Public Meetings / workshops