

Steelhead in the San Joaquin River Basin



State Water Resources Control Board Scoping
June 6, 2011

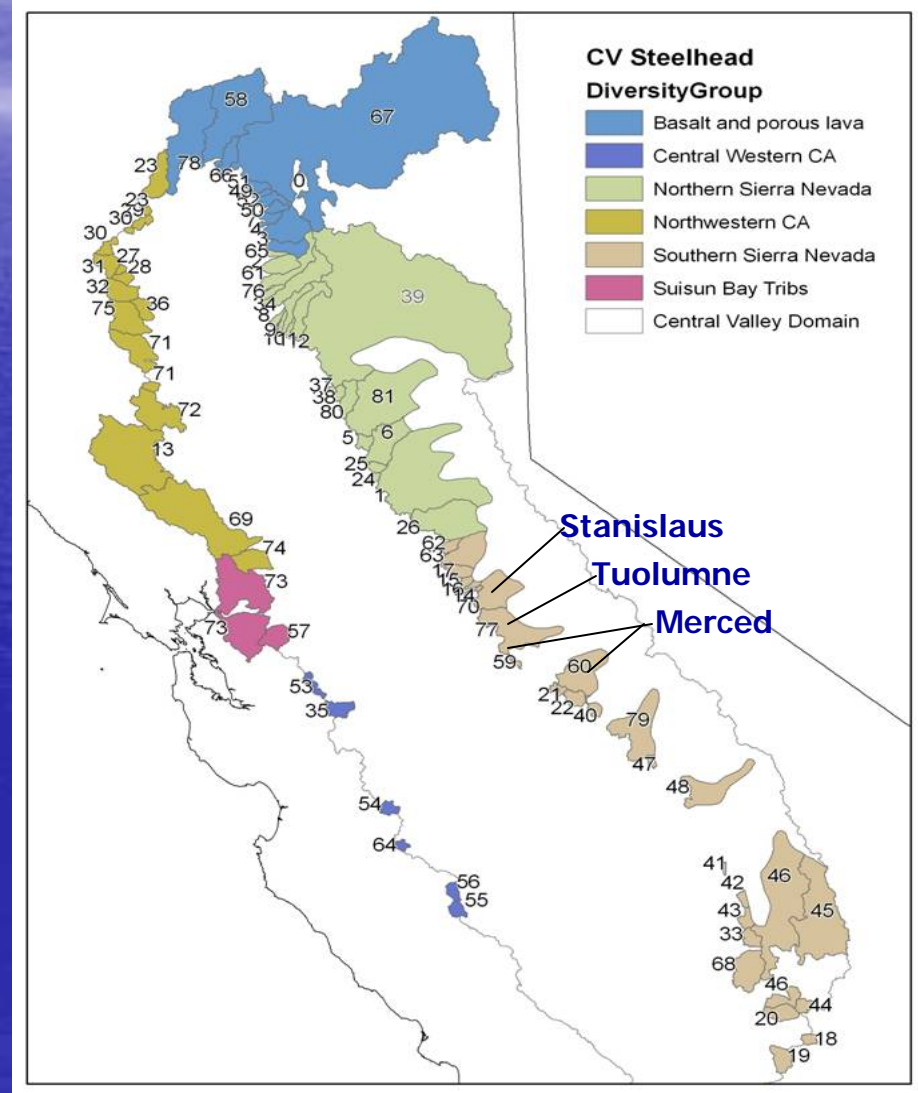
Rhonda Reed, Acting San Joaquin River Basin Chief,
NOAA's National Marine Fisheries Service,
Protected Resources Division, Sacramento

Regulatory framework for salmonids in the San Joaquin Basin

- Steelhead are federally listed as threatened; the San Joaquin basin includes critical habitat (ESA)
- Fall-run Chinook salmon are a federal species of concern (ESA)
- Fishery conservation and management considerations (Magnuson-Stevens Act)

Central Valley Steelhead Recovery

- Draft recovery plan status
- Draft Recovery goal: at least 2 viable steelhead populations within each diversity group
- San Joaquin Basin is the Southern Sierra Nevada diversity group
- Current population numbers very low

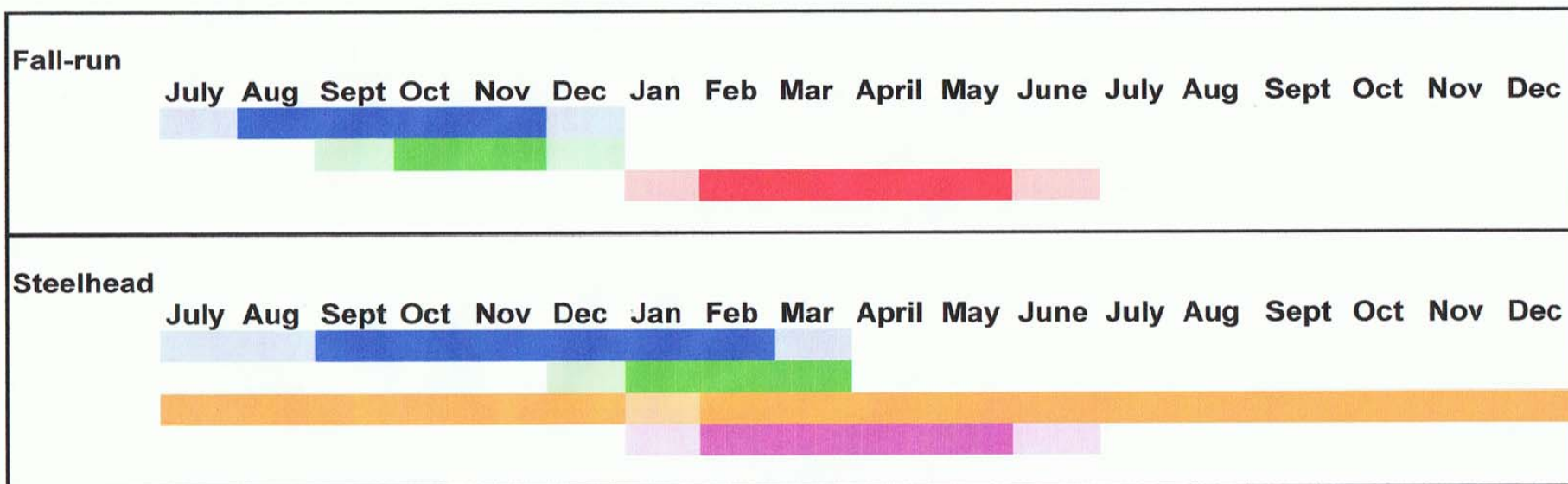
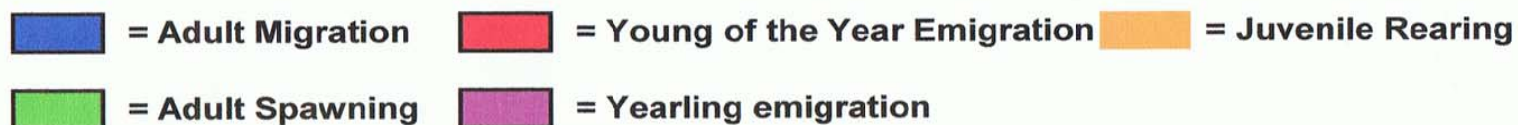


Status of Steelhead in the San Joaquin Basin

- Steelhead are difficult to monitor (resident vs. anadromous life histories)
- Tributary screw traps capture few smolts, tributary weirs and carcass surveys detect few migrating adults
- Mossdale (mainstem SJ River) trawl provides the limited data:
 - 1988 (1st year of sampling) = 30 HIGH
 - 1991 = 1 LOWEST
 - 2007 = 38 HIGHEST
 - 2008 = 4 LOW
- Often use Chinook salmon as surrogate

Steelhead & Fall-Run Chinook Salmon Life Histories

CV Steelhead and Fall Run Chinook Salmon Sacramento - San Joaquin River Systems



Considerations for Steelhead Management in SJ Basin

Goal: Manage riverine conditions for all life stages

Considerations:

- Longer duration, higher magnitude spring pulse flow
- Longer duration, higher magnitude fall/winter attraction flow
- Higher summer base flow
- Flow and water quality criteria for tributaries, in addition to Vernalis standards
- Other habitat elements related to flow – floodplain habitats
- Explore passage opportunities

THANK YOU



