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Napa River Fish Community

Over 50 fish species in the Napa River and Estuary

- 29 species in freshwater streams
 - 15 natives
 - Salmonids
 - Steelhead
 - Chinook Salmon
 - Historically Coho, Chum, Pink?



Steelhead Oncorhynchus mykiss



Steelhead

Oncorhynchus mykiss

- Listed as "Threatened" under the Federal ESA
- Migratory form of rainbow trout
- Young spend 1-4 years in freshwater



Chinook Salmon

Oncorhynchus tshawytscha



Chinook Salmon

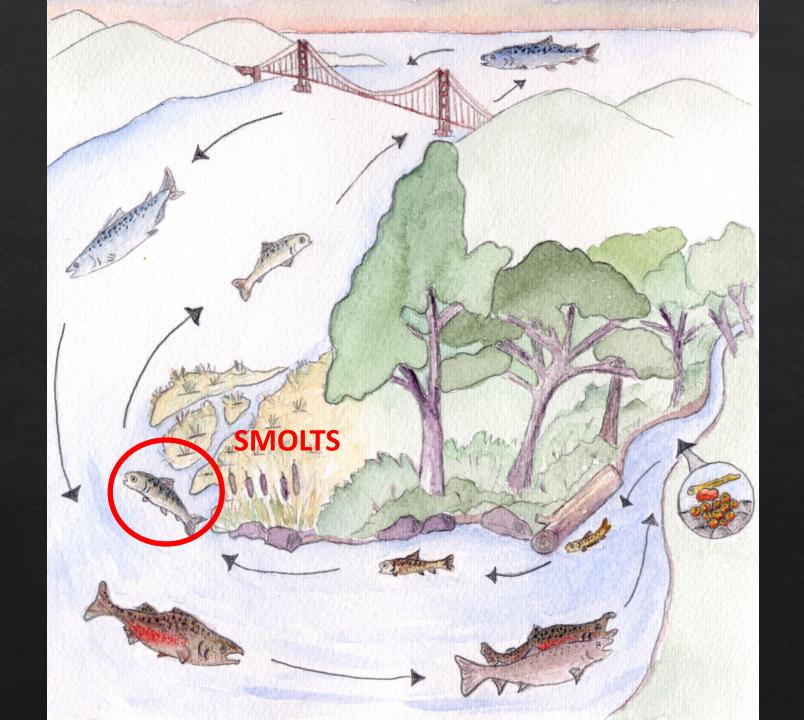
Oncorhynchus tshawytscha

- Central Valley Fall-Run (not listed under ESA)
- Largest of all Pacific salmon
- Young leave freshwater the same year they are born



Napa River Fish Trap





Tagging and Tracking



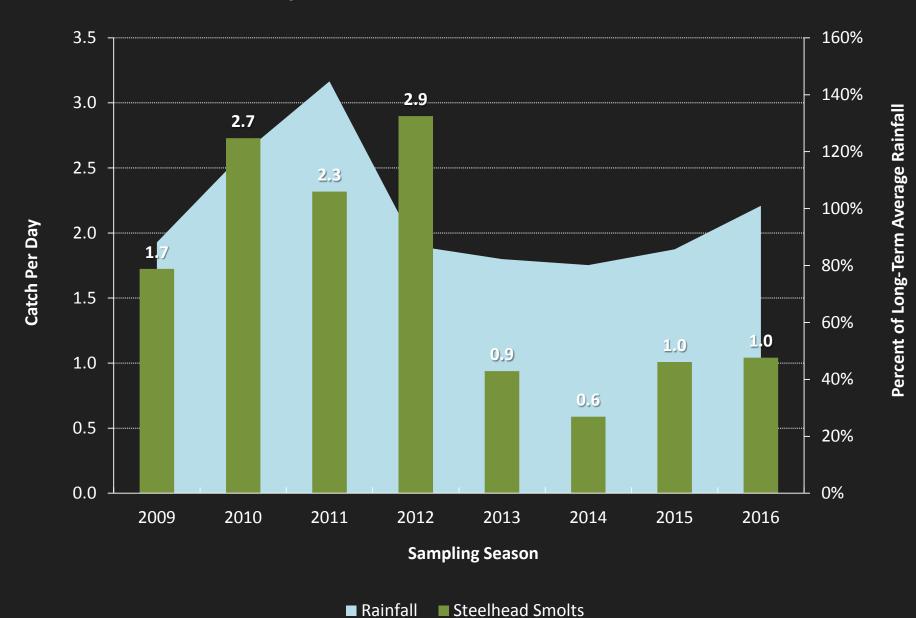
Napa River PIT Tag Antenna

What have we learned from 8 years of data?

- Steelhead smolts captured in all years
- Steelhead smolts are large: average 189mm (7.4 inches)
- Steelhead ocean survival expected to be high (15-25%)



Napa River Steelhead Smolts

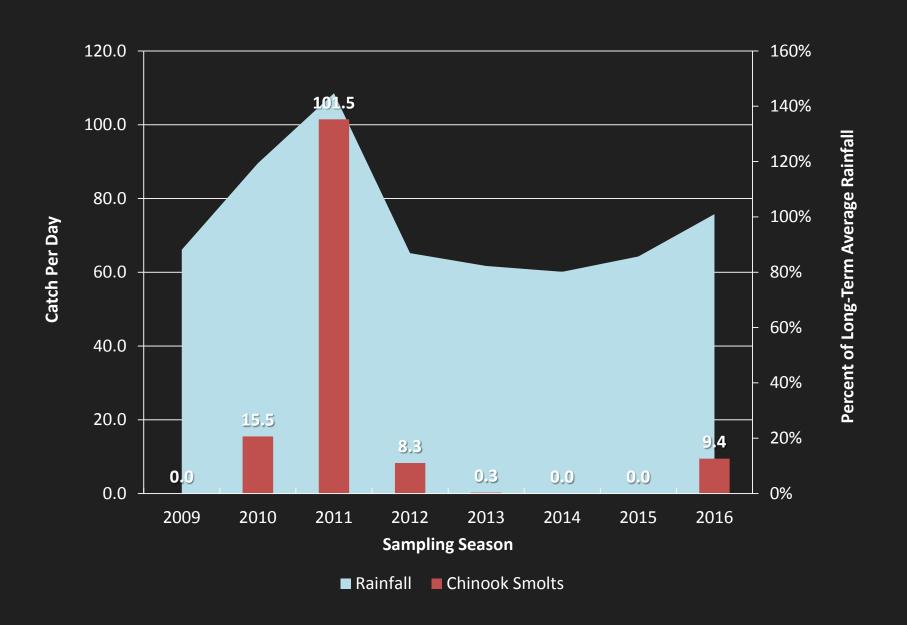


What have we learned about Chinook?

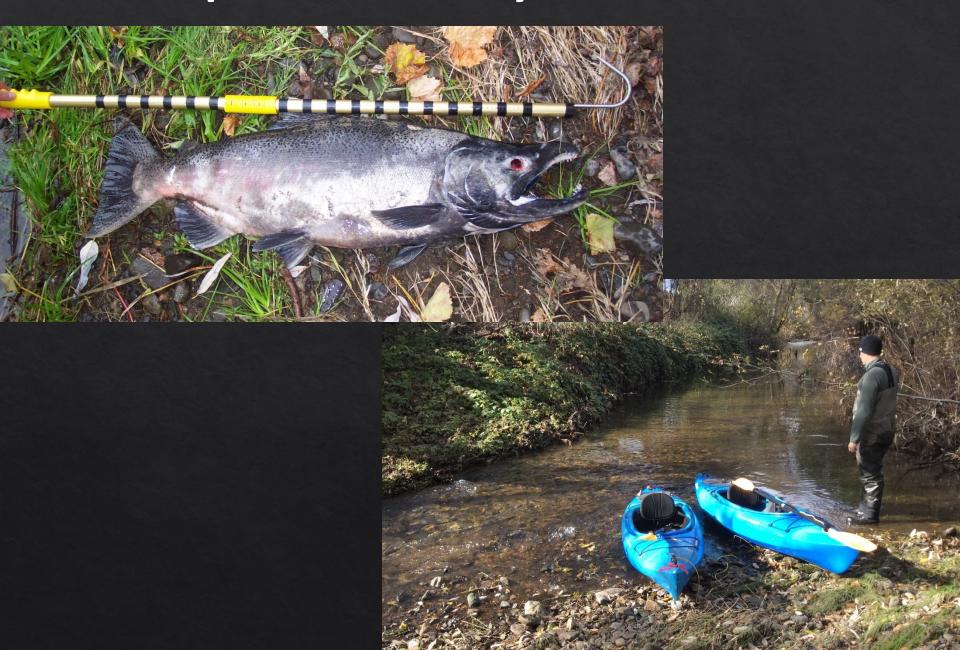
- Chinook salmon counts are highly variable from year to year
- Chinook salmon are successfully spawning in most years
- The Napa River is producing Chinook salmon smolts in most years



Napa River Chinook Smolts



Adult Spawner Surveys





More information available at www.naparcd.org

Thanks to:

- California Department of Fish and Wildlife
- NOAA National Marine Fisheries Service
- California Coastal Conservancy
- Napa Valley Vintners
- Napa River Steelhead and Volunteers
- The Gasser Foundation
- Napa County Flood Control & Water Conservation District
- Napa County
- Napa County Wildlife Conservation Commission
- California Department of Water Resources
- Treasury Wine Estates
- Silverado Premium Properties