



MONITORING FISH IN THE NAPA RIVER WATERSHED

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Napa County Resource Conservation District

Napa River Watershed



Napa River Watershed

31 named tributaries

146 stream miles with
unimpeded access to
the ocean

76 miles of streams
with limited access

CALISTOGA

ST. HELENA

YOUNTVILLE

NAPA

AMERICAN CANYON

VALLEJO

Zinfandel Lane Bridge – Napa River (2011)



Zinfandel Lane Bridge – Napa River (2012)



Greenwood Ave Bridge – Napa River (2015)



Greenwood Ave Bridge – Napa River (2016)



Rutherford and Oakville Restoration ~ 14 miles



Napa-Sonoma Marsh Restoration



Photo Credit: Karen Taylor, CDFW

Napa River Fish Monitoring Program





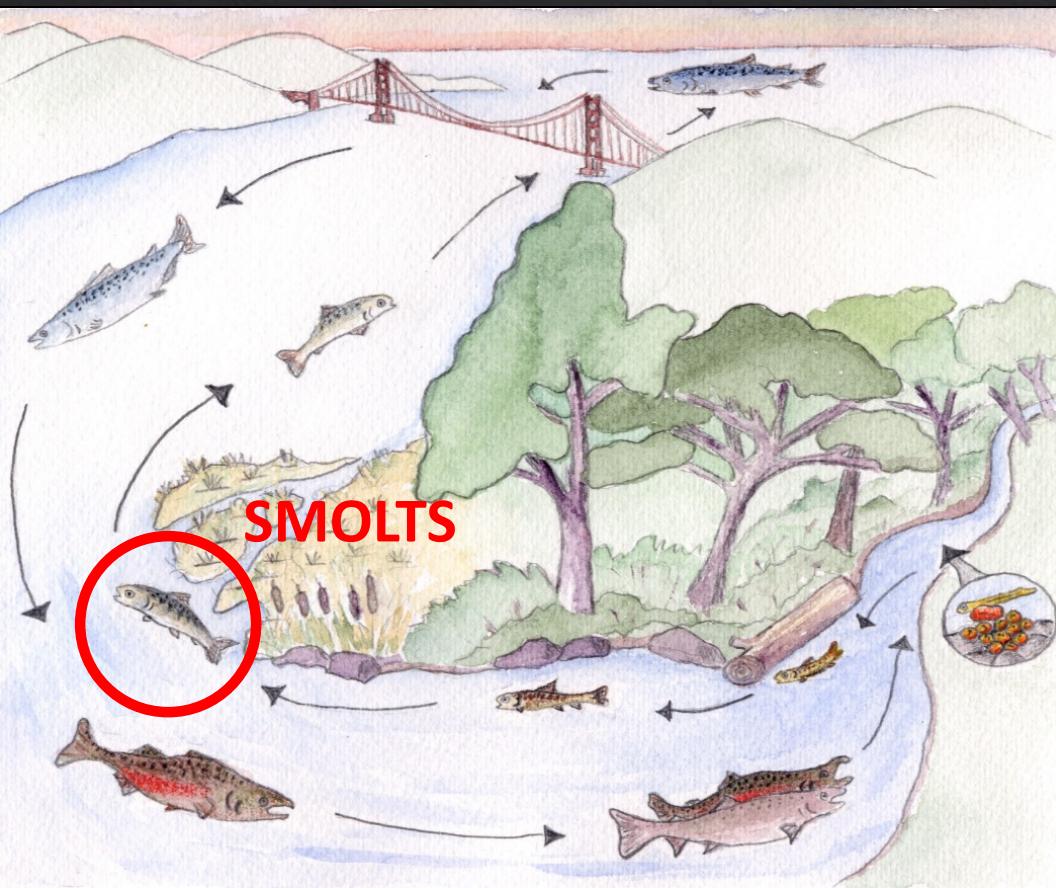
Napa River Fish Community

Over 50 fish species in the Napa River and Estuary

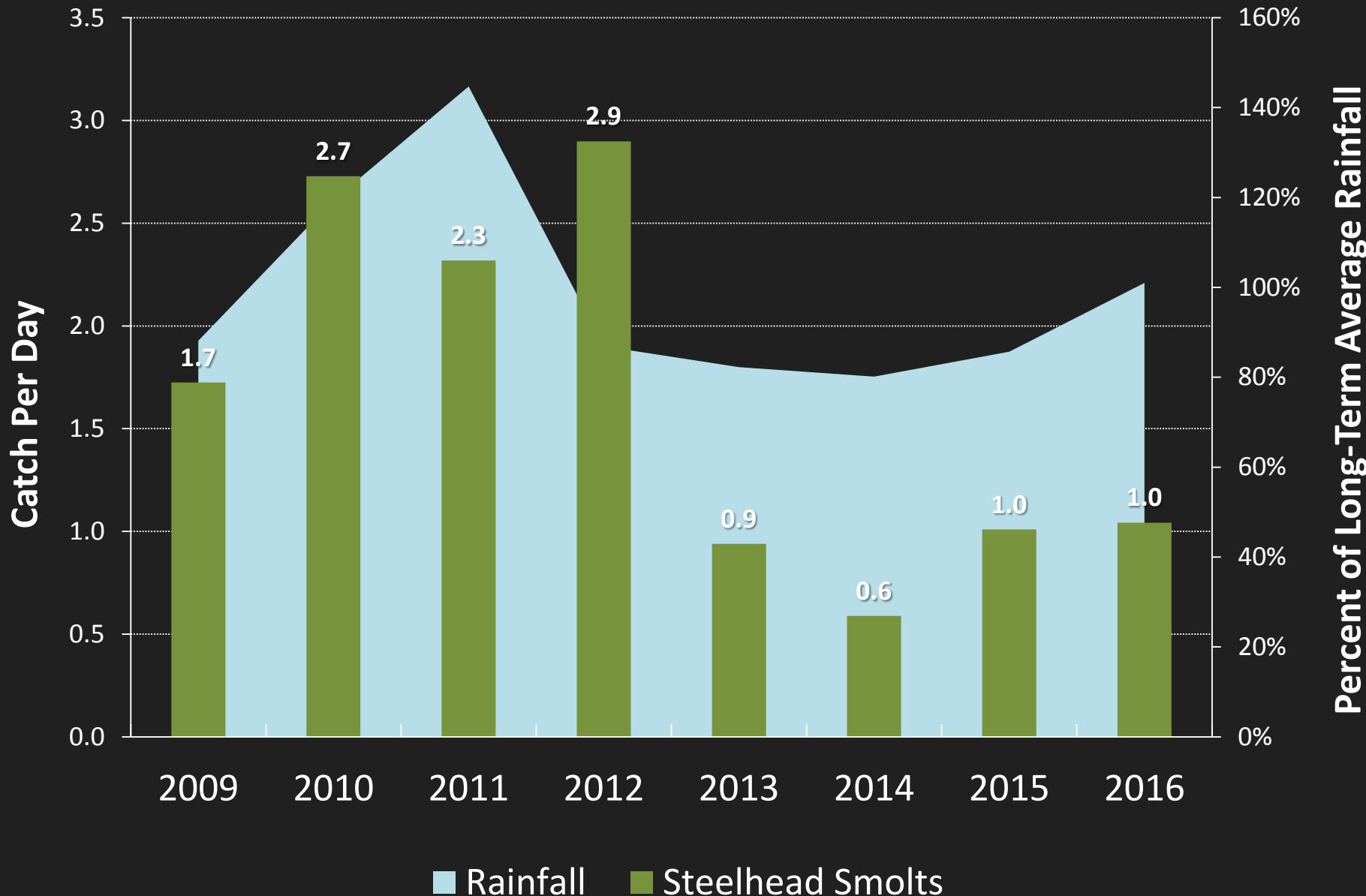
- 29 species in freshwater streams
 - 15 natives
 - 2 Salmonids
 - Steelhead
 - Chinook Salmon
 - Historically Coho (Chum? Pink?)

Outmigrant Trapping Started in 2009

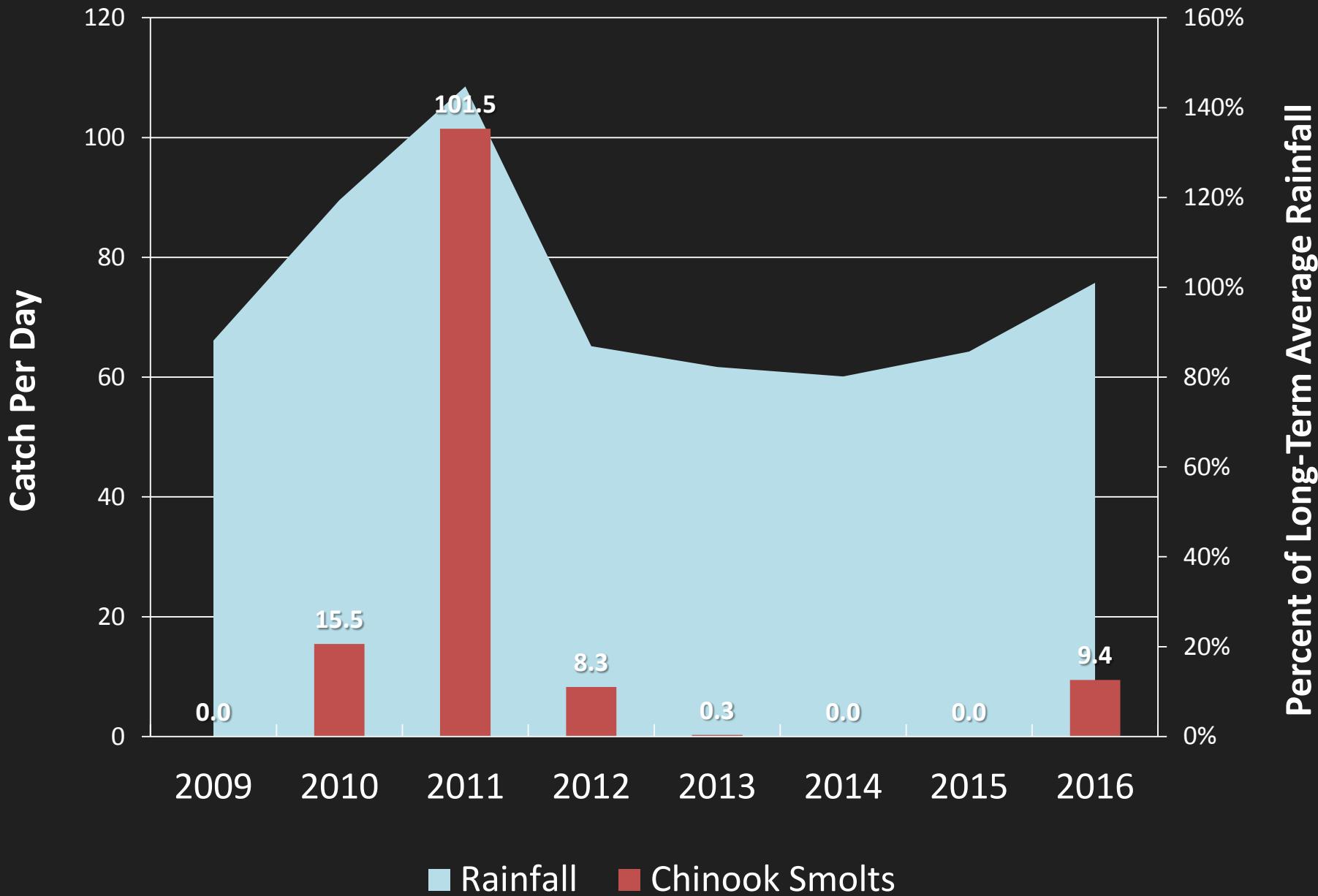
- How abundant are steelhead and Chinook smolts?
- How large are steelhead smolts?
- When do steelhead and Chinook smolts migrate to sea?



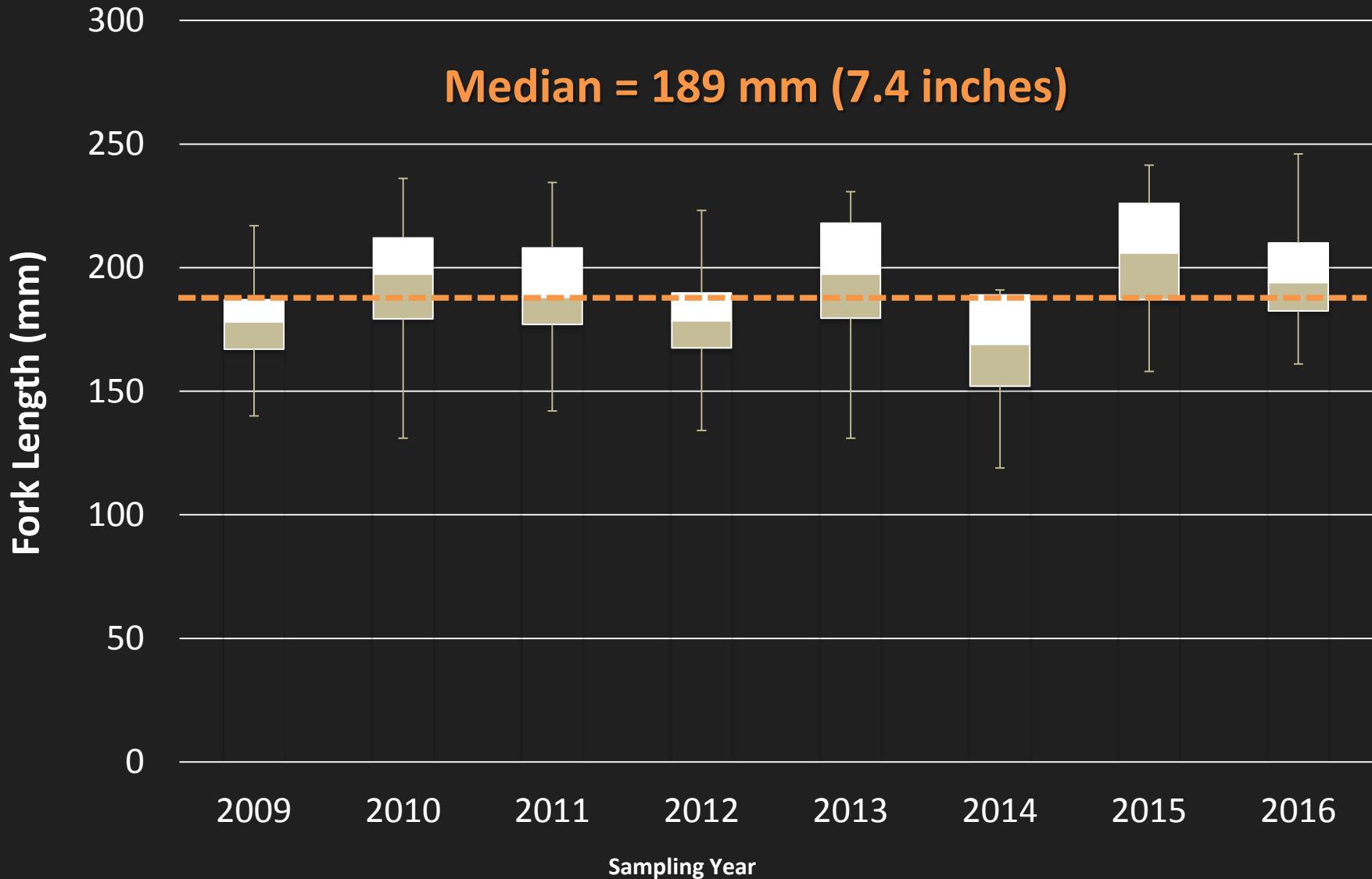
Napa River Steelhead Smolts



Napa River Chinook Smolts



Napa River Steelhead Smolts



What have we learned overall?

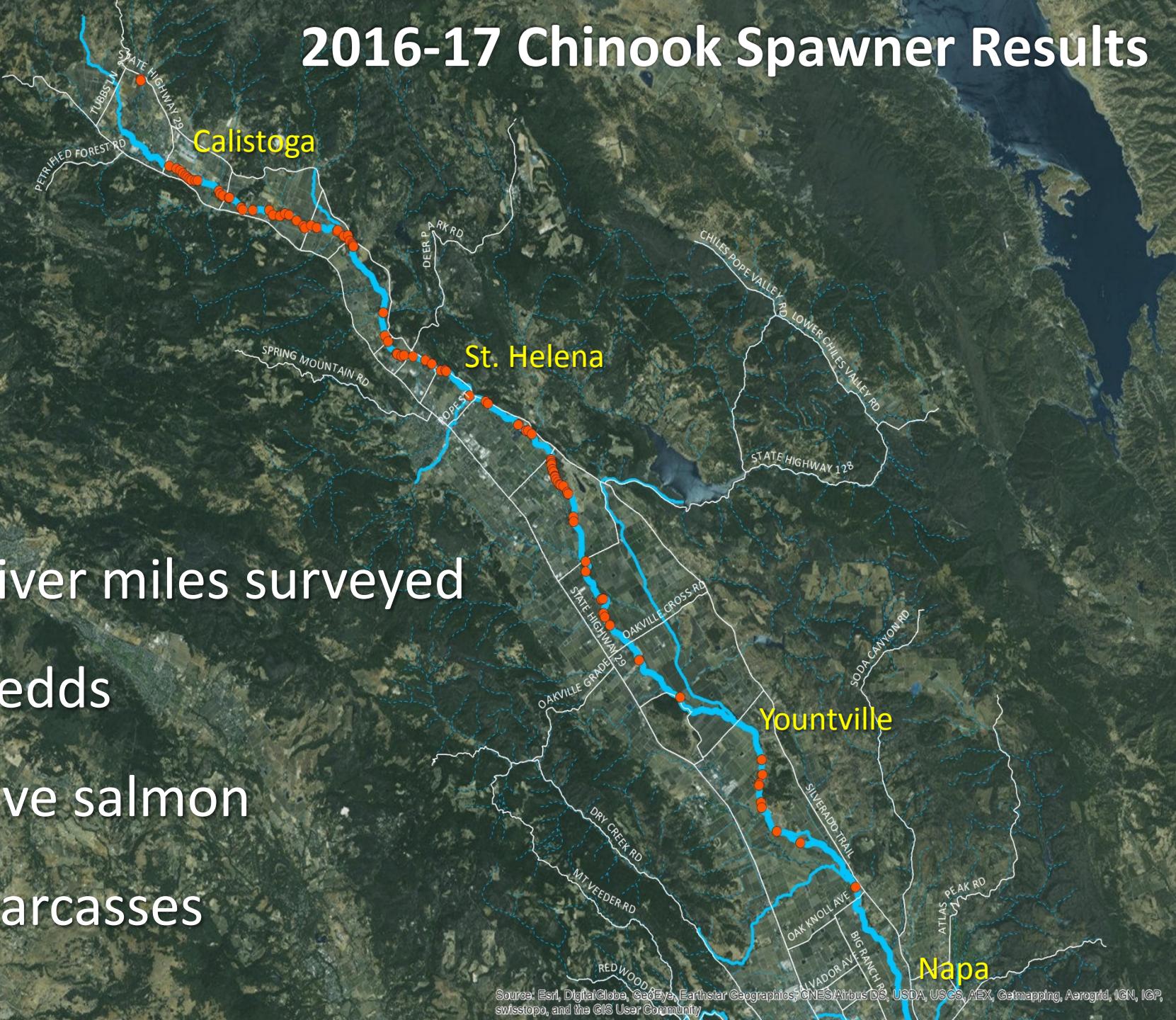
- Steelhead smolt production occurs every year
- Chinook smolt production occurs in most years
- Native fish community is almost entirely intact
- Few non-native fishes in valley and mountain streams

River Lamprey (*Lampetra ayresi*)



2016-17 Chinook Spawner Results

- 29 river miles surveyed
- 90 redds
- 38 live salmon
- 16 carcasses



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
- Citizen 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