

Butte Creek
DeSabla-Centerville
Hydro Project Decommission or
Retool? Salmon
Want to Know

Allen Harthorn
Friends of Butte Creek

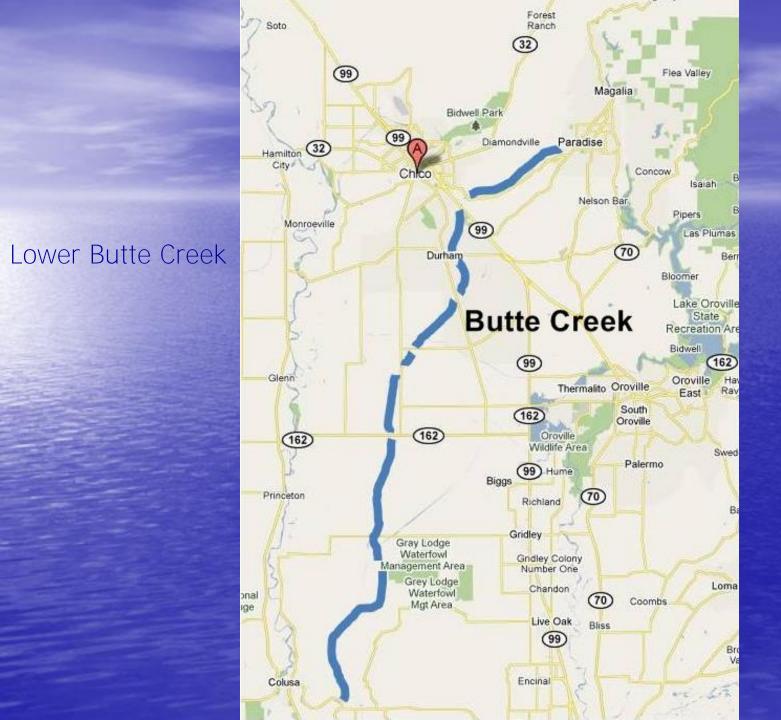
Salmonid Restoration Federation April 13-14,2018 Fortuna

Butte Creek Watershed Friends of Butte Creek

Butte Creek Watershed



Upper West Branch Feather River Old Lake Tender's House 25N5E 24N5E 24N4E



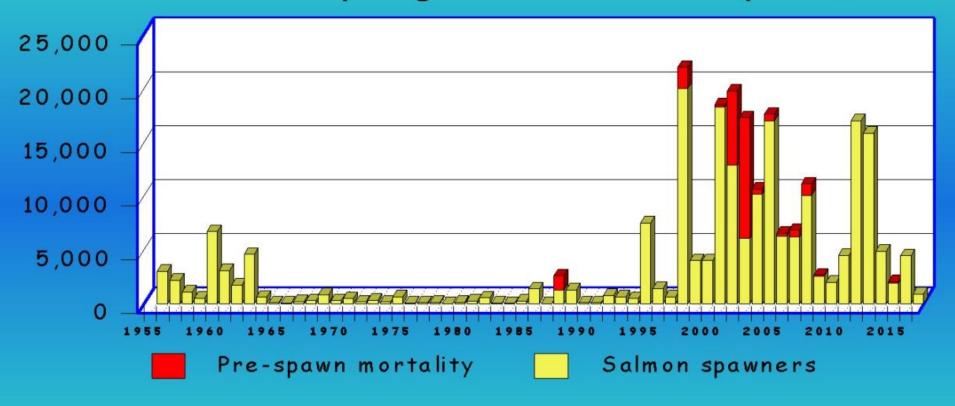
Colusa Sutter_ Yuba City 20 20 Oli SUTTER Arbuckle 99 99 99

Sutter Bypass

Sutter Bypass Butte Creek



Butte Creek Spring Run Salmon Population





DeSabla-Centerville Hydro Timeline

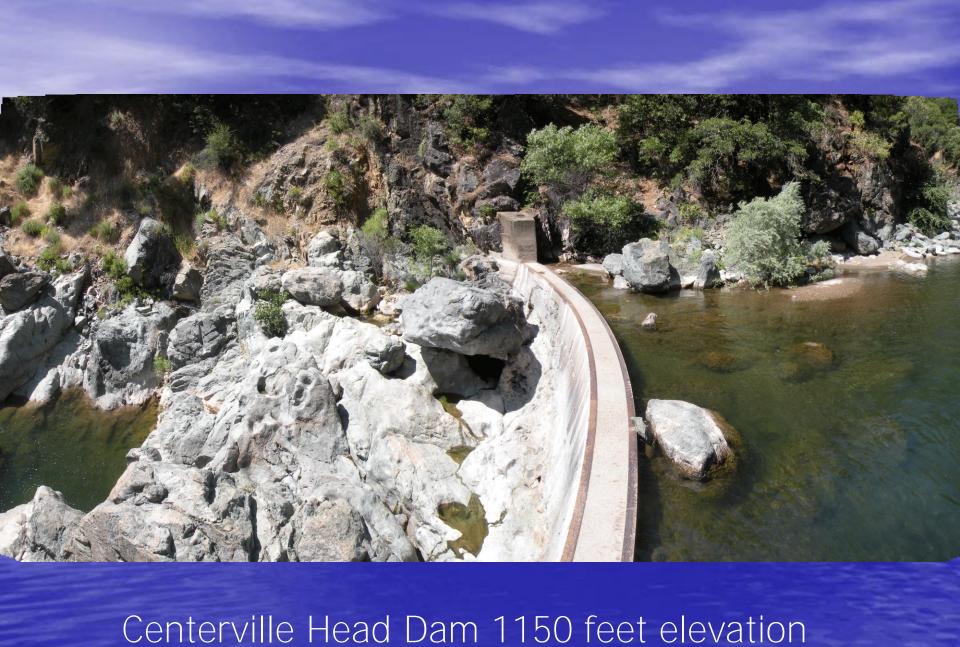
1906 Centerville PH operational



Butte Head Dam 2912 feet elevation









Centerville Head Dam, Early 1900's: Tailings of Butte Creek, 1972







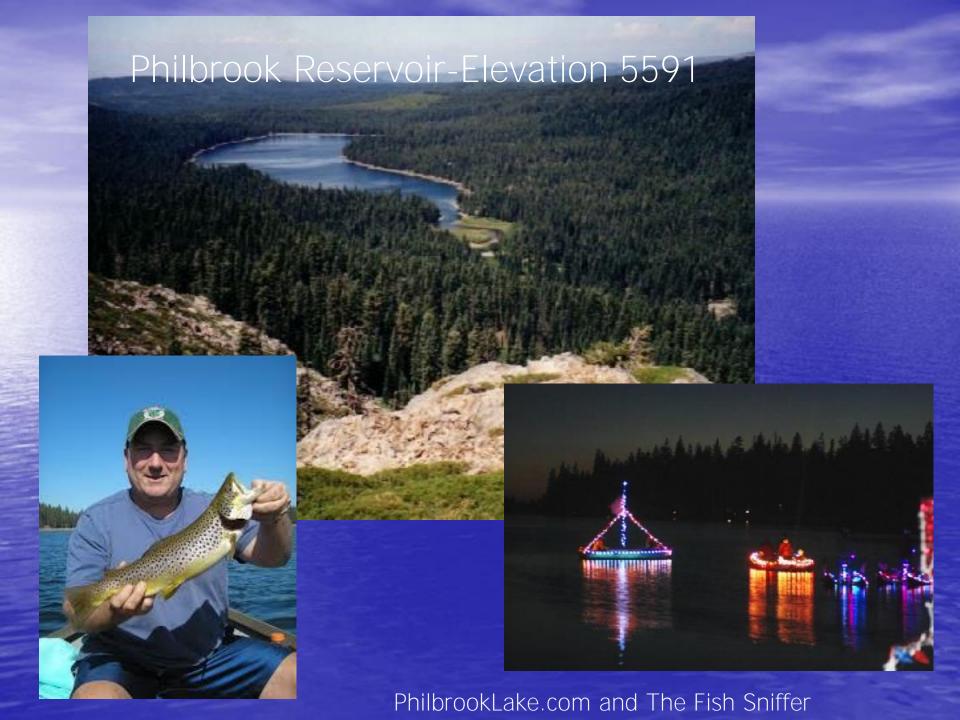


Centerville PH Update 2015

Powerhouse originally started in 1906

- Main Turbine offline since early 2010
- Repairs completed 2011
- Start-up attempted Feb. 2011
- Penstock pressure fluctuations indicate failing integrity
- Both units taken offline
- Project decommissioning in near future (hopefully)





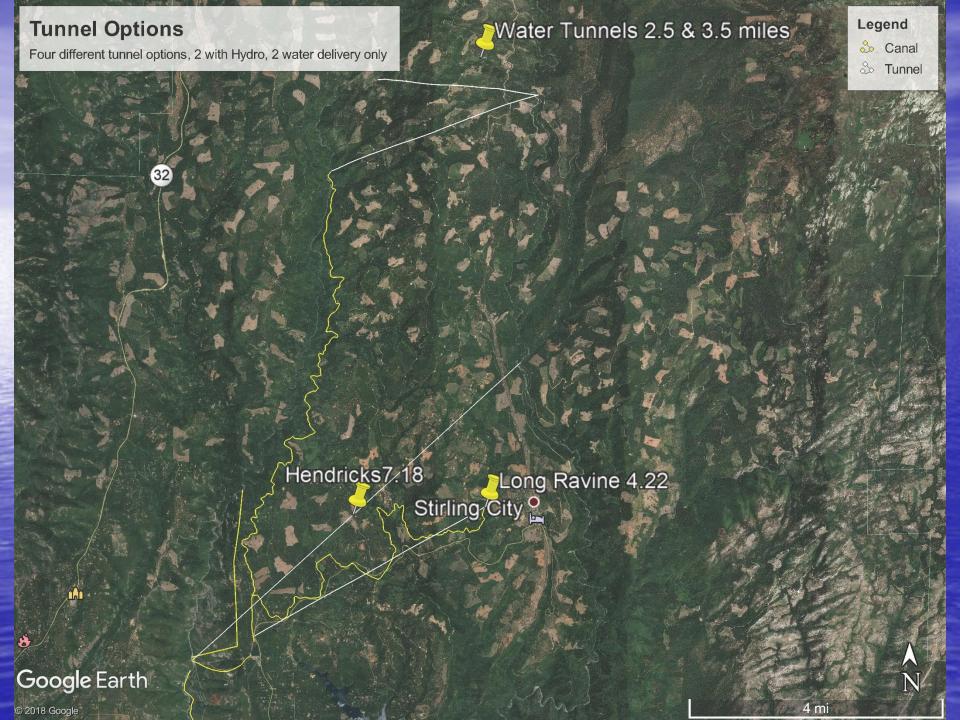


On Saturday, January 16, 1909 the Oroville Daily Register ran the headline, "Philbrook Dam Out -Havoc on the West Branch." The story that followed states that at 1 A.M. that morning, the dam failed releasing 90,000,000 cubic feet (2,066 acre-feet) of water into the West Branch. "The water came down in a solid mass, reaching ten feet above the highest level and carrying everything in the way with it."



Restoration projects

- 1992-increase flows above Centerville PH
- 1993-remove McFerrin and McGowan and Point Four dams
- 1995-new screen and ladder on Parrott/Phelan
- 1997-remove 4 dams, eliminate 12 unscreened diversions, open up 25 miles of unimpeded flow
- 1998-2000-new ladders and screens on Adams, Gorrill and Durham Mutual dams
- 1999 –Sanborn Slough, Drumheller Slough dams
- 2002-Sutter Bypass East/West, and SB Weir #3 and #5
- 2003-Butte Sink Weir upgrades, drain exclusions
- 2005-date Sutter Bypass East and West upgrades;
 Willow Slough ladder, Weir #2 ladder and others





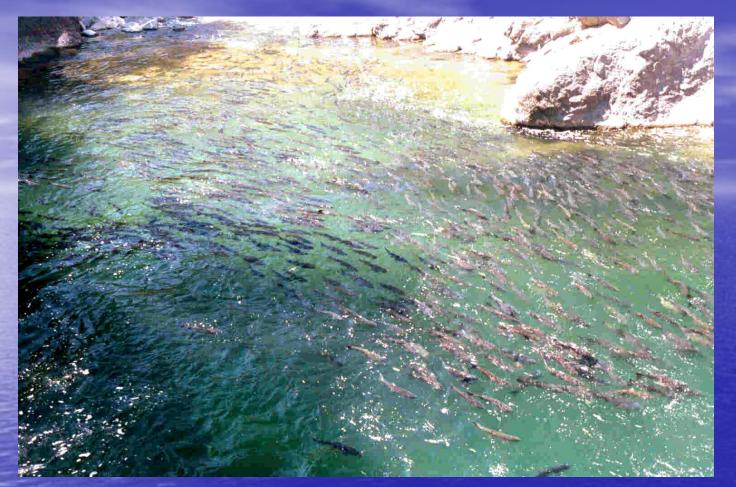
Salmon Pool July 12, 2003











Butte Creek Problems and Promise

Mostly promise, but problems will persist.....



Butte Creek DeSabla-Centerville Hydro Project -Decommission or Retool? Salmon Want to Know

Allen Harthorn
Friends of Butte Creek