

CALIFORNIA FISH PASSAGE FORUM FISH HABITAT PARTNERSHIP

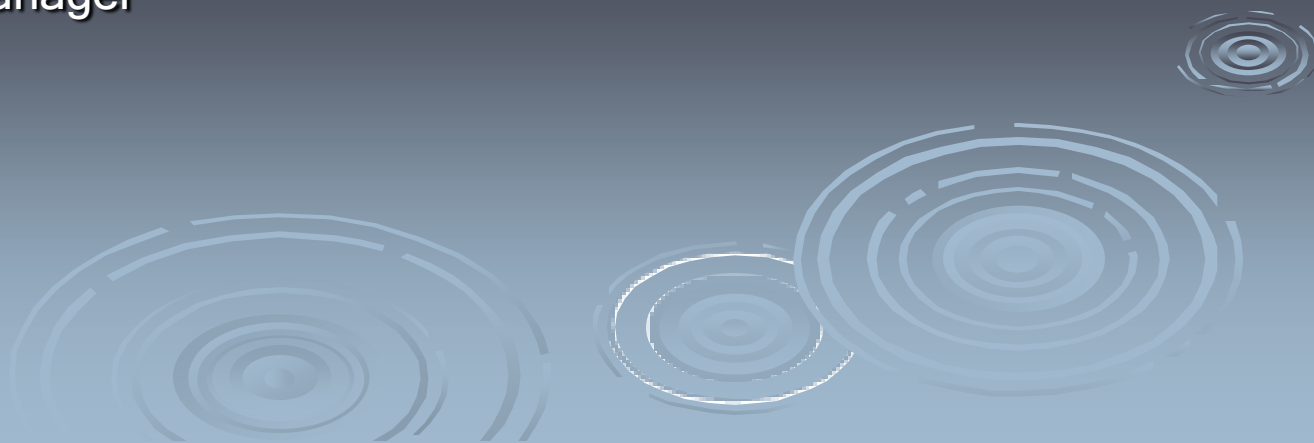
Presentation by:

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Pacific States Marine
Fisheries Commission
Sr. Program Manager

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California Dept. of Fish and Game
Chair - Fish Passage Forum



"Fish Passage Forum"

A Joint Effort to approach an old Problem... "improving habitat by modifying or removing barriers to fish migration"



BRIEF HISTORY:

- 1999 - California Fish Passage Forum established
- 2008 - Candidate NFHAP partnership
- 2010 – Board approved Forum as a partnership

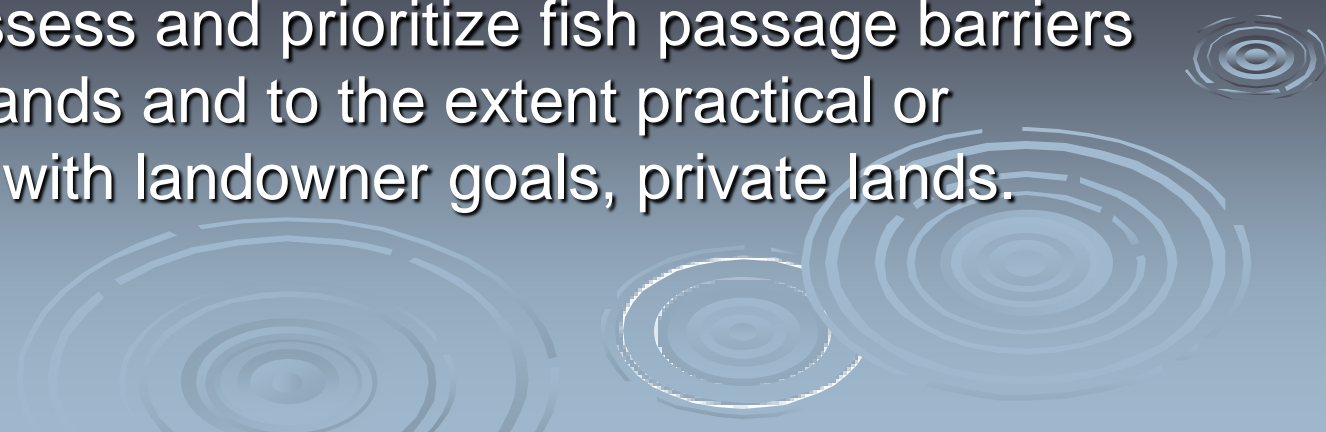
In the approval letter from the Board, the following was recommended:

- Coordination with Science/Data Committee
- Consider a name change
- Provide advice on fish passage at a national level
- Coordinate with other FHP's


MISSION/GOAL:

Protect and revitalize anadromous fish populations in California by restoring connectivity of freshwater habitat.

OBJECTIVES:

- Facilitate coordination and communication among agencies, agency staff, and other entities that may propose, review, or promulgate fish passage criteria within California.
 - Identify, assess and prioritize fish passage barriers on public lands and to the extent practical or consistent with landowner goals, private lands.
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- The background of the slide features several concentric, light blue circular ripples that resemble water droplets hitting a surface, scattered across the bottom half of the page.

Objectives continued:

- Disseminate guidelines and design criteria for replacement of barriers.
 - Coordinate funding mechanisms to remove fish passage barriers.
 - Promote State and Federal permit coordination and streamlining.
 - Facilitate plans to monitor and evaluate fish passage restoration effectiveness to ensure accountability.
 - Work to promote state and national policy that supports fish passage.
 - Implement education and outreach activities, targeting both the general public and fish passage practitioners.
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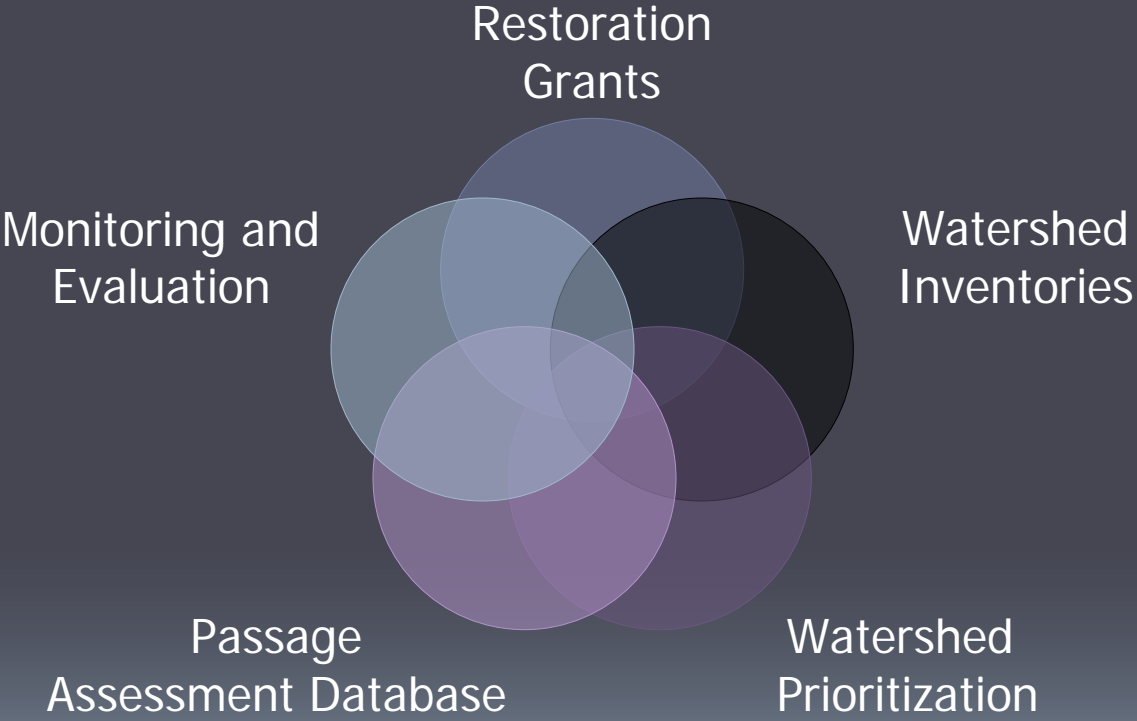
Members of Fish Passage Forum

- **California Department of Fish & Game (chair)**
- **California Department of Water Resources**
- **US Fish & Wildlife Service**
- **California Coastal Conservancy**
- **US Forest Service**
- **FishNet4C**
- **Five Counties Salmonid Conservation Program**
- **Cal Trout**
- **National Marine Fisheries Service**
- **US Army Corps of Engineers**
- **Pacific States Marine Fisheries Commission**

And many other participants...



COMPONENTS & TOOLS OF THE FISH PASSAGE FORUM



Example “Products” produced/provided by the Fish Passage Forum

- Passage Assessment Database (PAD)
- Brochure and Video
- “First Pass” Data Sheet
- Standards for Evaluating Fish Passage
- Workshops and Training
- Barrier Inventories and Prioritization
- Monitoring

FISH PASSAGE IMPROVEMENT in California’s Watersheds

Assessments & Recommendations by the Fish Passage Forum

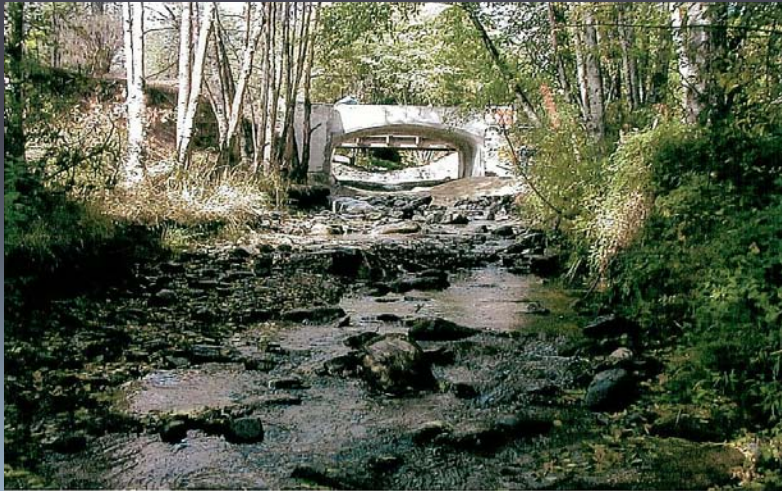


FISH PASSAGE INCIDENTAL REPORT (First Pass Data Sheet)
 This form is intended to be used for rapid barrier surveying and barrier data collection. It is not intended for barrier passage assessment and is not meant to replace any existing barrier assessment protocols.
** Please fill Section I and II even when no barriers found!*
 Send to: DFG, 830 S Street, Sacramento, CA 95814. Email: nkolter@dfg.ca.gov

I. GENERAL			
Surveyor:	Date: / /	Time:	AM/PM
Agency:			
Weather: <input type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Parting	Water Conditions: <input type="checkbox"/> Clear <input type="checkbox"/> Turbid	Flow Conditions: <input type="checkbox"/> Continuous <input type="checkbox"/> Isolated pools <input type="checkbox"/> Dry	Bank Conditions: <input type="checkbox"/> Channel erosion <input type="checkbox"/> Scour <input type="checkbox"/> Riprap
Water Temperature (°C):		Ambient Temperature (°C):	
II. LOCATION			
Latitude:	Longitude:	Quad Name:	
Stream Name:		Tributary To:	
Barrier(s) Found?: <input type="checkbox"/> Yes <input type="checkbox"/> No		Stream Segment Surveyed:	
Bank Location (looking downstream): <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Both		Channel Type: <input type="checkbox"/> V <input type="checkbox"/> U	
Road Name:		Milepost:	
Photos Taken: <input type="checkbox"/> Inlet <input type="checkbox"/> Outlet <input type="checkbox"/> Other		Photo Description/Number:	
Land Owner:		Structure Owner:	
III. STRUCTURE			
<input type="checkbox"/> Diversion <input type="checkbox"/> Dam <input type="checkbox"/> Arizona crossing (ford)		Description:	
<input type="checkbox"/> Bridge <input type="checkbox"/> Natural <input type="checkbox"/> Other			
IV. FISH			
ed Downstream? <input type="checkbox"/> Yes <input type="checkbox"/> No		Salmonids Observed Upstream? <input type="checkbox"/> Yes <input type="checkbox"/> No	
V. DIVERSION			
<input type="checkbox"/> Slat pump	<input type="checkbox"/> Floodgate	Pump Running? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Centrifugal pump	<input type="checkbox"/> Siphon	Pipe Size: <input type="checkbox"/> < 1 ft <input type="checkbox"/> 1-2 ft <input type="checkbox"/> > 2 ft	
<input type="checkbox"/> Pump other	<input type="checkbox"/> Weir	Screened? <input type="checkbox"/> Yes <input type="checkbox"/> No	
VI. DAM			
<input type="checkbox"/> Earth <input type="checkbox"/> Rock/cement		<input type="checkbox"/> Seasonal <input type="checkbox"/> Permanent	
<input type="checkbox"/> Other		Dam Height (ft): Dam Width (ft):	
		Passage Facility? <input type="checkbox"/> Yes <input type="checkbox"/> No	
VII. CULVERT			
Culvert Material: <input type="checkbox"/> Concrete <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Log/wood <input type="checkbox"/> Other		Number of Barrels/Pipes: Culvert Diameter: <input type="checkbox"/> < 2 ft <input type="checkbox"/> > 2 ft Culvert Height (ft): Culvert Width (ft): Outlet Drop Height: <input type="checkbox"/> < 1 ft <input type="checkbox"/> 1-3 ft <input type="checkbox"/> > 3 ft Weirs/Baffles? <input type="checkbox"/> Yes <input type="checkbox"/> No Channel Width (ft):	
VIII. BRIDGE			
Free span <input type="checkbox"/> Instream structure		<input type="checkbox"/> Active <input type="checkbox"/> Abandoned	
		Apron? <input type="checkbox"/> Yes <input type="checkbox"/> No	
IX. NATURAL			
Type: <input type="checkbox"/> Waterfall <input type="checkbox"/> Grade <input type="checkbox"/> Landslide <input type="checkbox"/> Log jam <input type="checkbox"/> Other			



Example: West Weaver Creek Culvert



“If you want something done, ask a busy person to do it.”

Lucille Ball



Passage Assessment Database

The Passage Assessment Database (PAD):

- Collects and standardizes available data from contributing dataset sources
- Presents a map-based inventory of known and suspected barriers to anadromous fish passage in California's coastal watersheds
- Enables analysis of the effects of these barriers in the context of overall watershed health & identifies barriers suitable for removal or modification



BEFORE

Jordan Creek,
Del Norte County



AFTER