



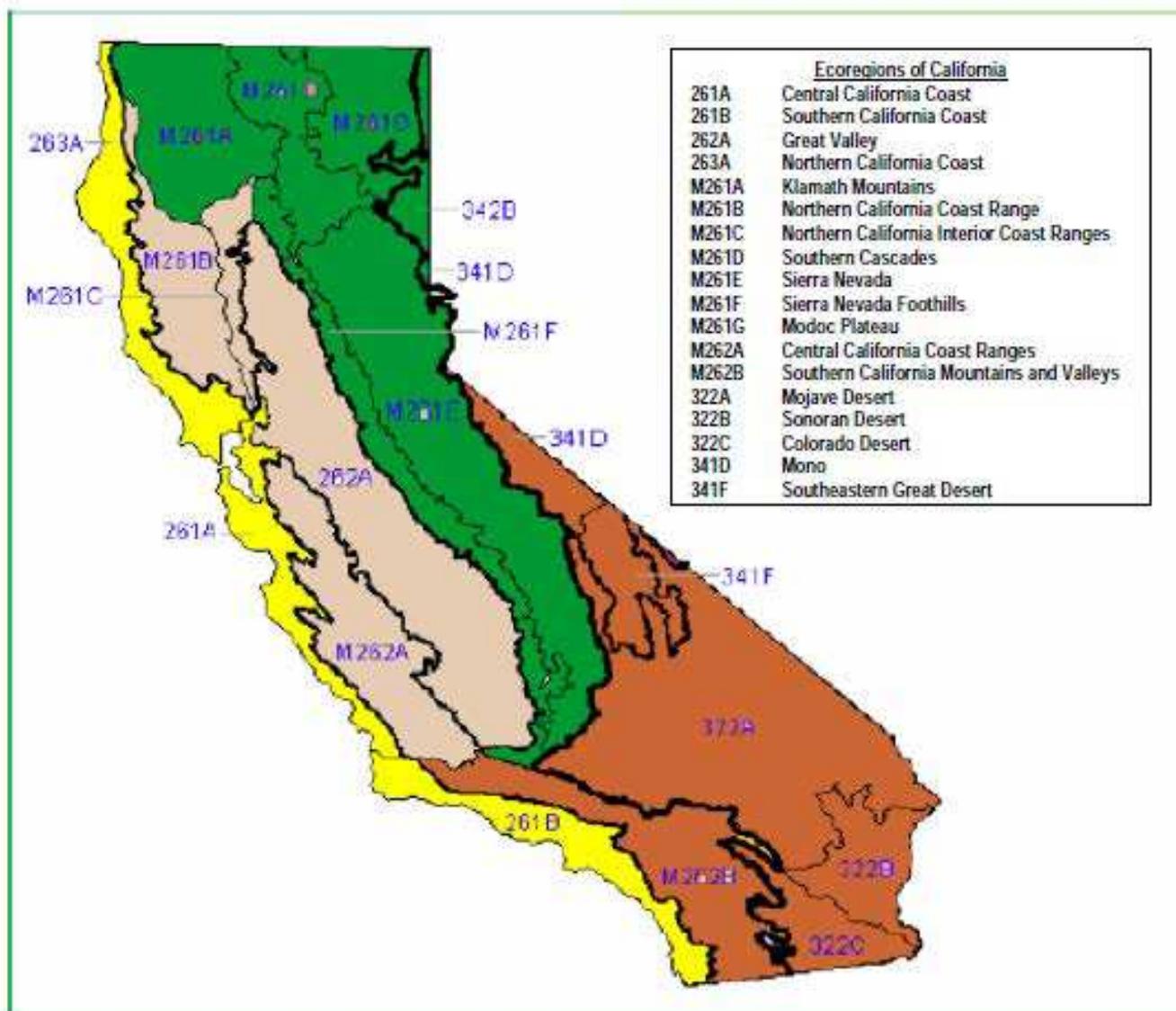
# State Wildlife Action Plan 2015 Update

## Conservation of Wetland and Riparian Habitats

Gordon Leppig, Senior Environmental Scientist

October 13, 2013

## California Wildlife Action Plan Update 2013 Ecoregional Teams



Bailey, R.G. 1998. Ecoregions. The ecosystem geography of the Oceans and Continents. Springer, New York. 175 pp.



# Red Alder



# Shining Willow

























# Species of Greatest Conservation Need



**California Red-legged Frog**

# Species of Greatest Conservation Need



Northern  
Red-legged Frog



# Species of Greatest Conservation Need

## Western Pond Turtle



# Species of Greatest Conservation Need

Aleutian Canada Goose



Willow Flycatcher



# American Beaver



# Species of Greatest Conservation Need

















Welcome to the  
**Yolo Bypass Wildlife Area**



California Department of Fish and Game  
Yolo Basin Foundation



CHECK  
STATION



AUTO TOUR  
ROUTE ↑





305 004  
73525601230  
PALE ALE

305 004  
73525601230  
JAMAICA SUNSET BEER IP  
BTL  
6-12 FZ  
S2R04  
V900238E  
Plus CRI  
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# Loss of Wetland and Riparian Habitat

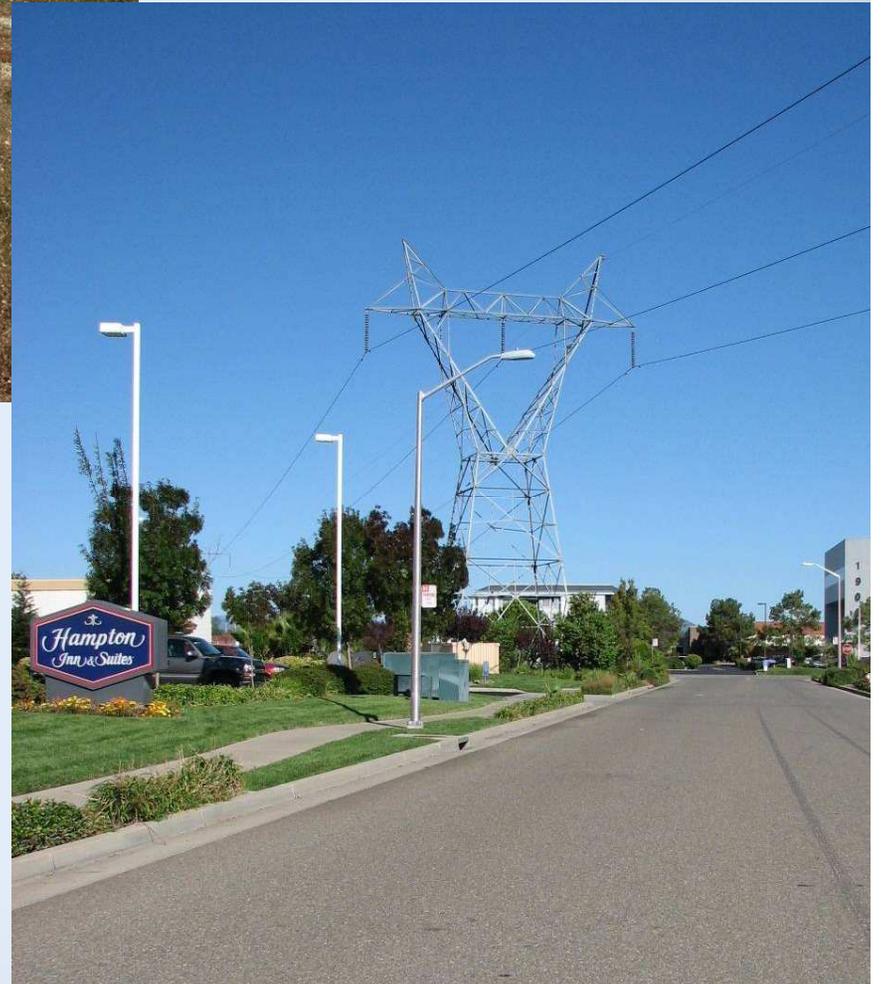
- California is estimated to have lost over 90% of its original wetlands—more than any other state.
- An estimated 93 to 98% of California's and 75% of the North Coast's riparian habitat has been converted to other land uses.

# Loss of Vernal Pools

- **The Central Valley has lost 60%-85% of its vernal pools.**
- **The California coast has lost >90% of its vernal pool.**
- **Southern CA has lost >95% of vernal pools.**



**Vernal pools—  
a suite of problems**





**Vernal pool 1996**



**2011**





















# Species of Greatest Conservation Need

## Pacific Fischer



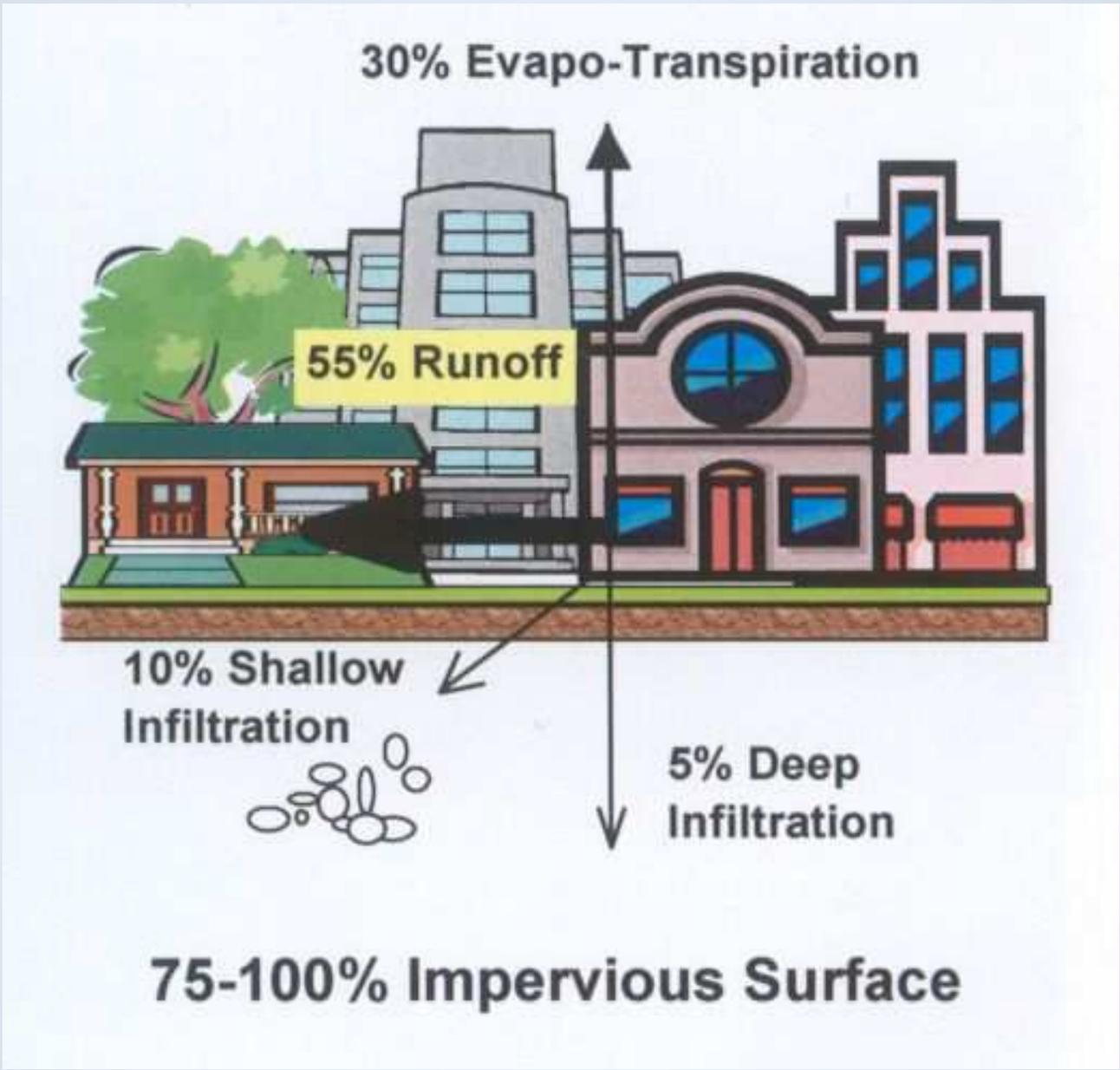
PHOTO MOURAD GABRIEL



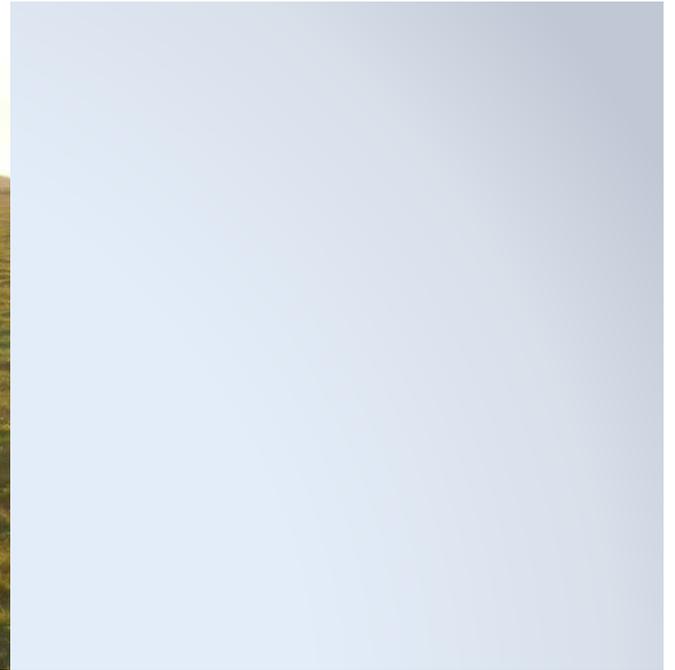
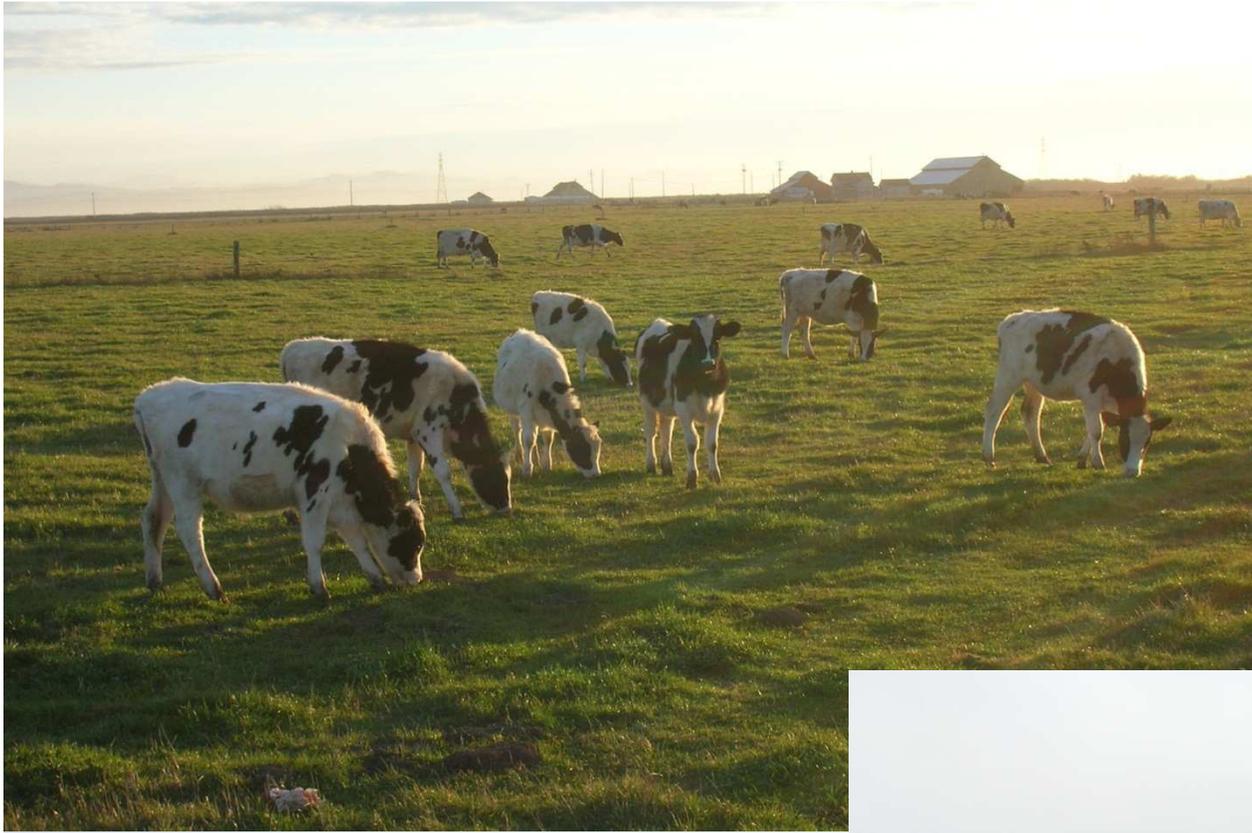










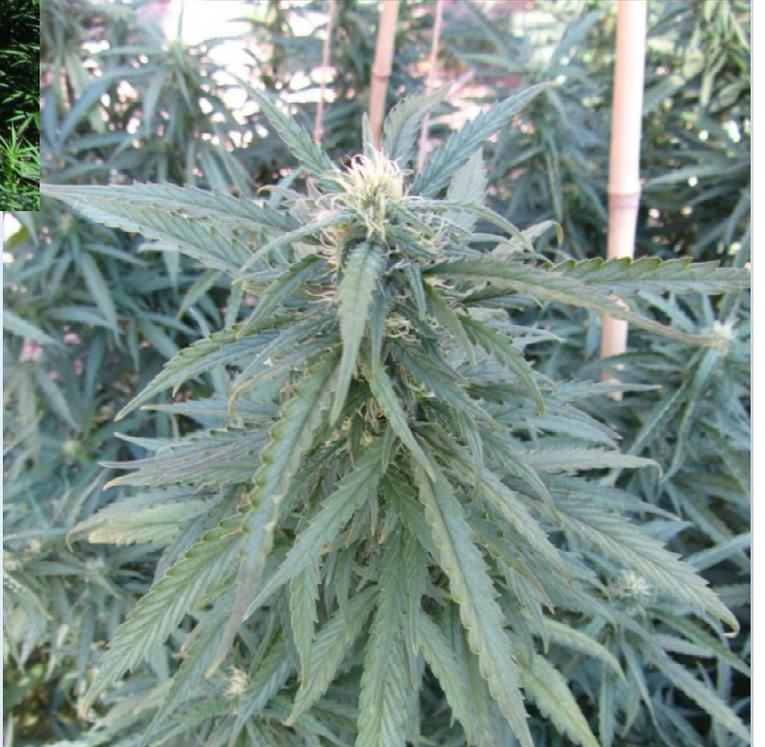
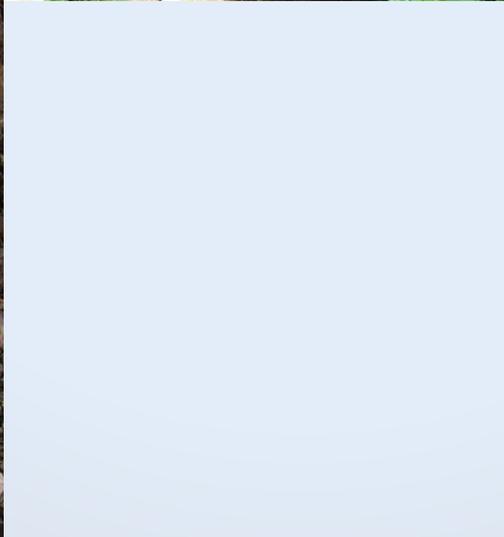














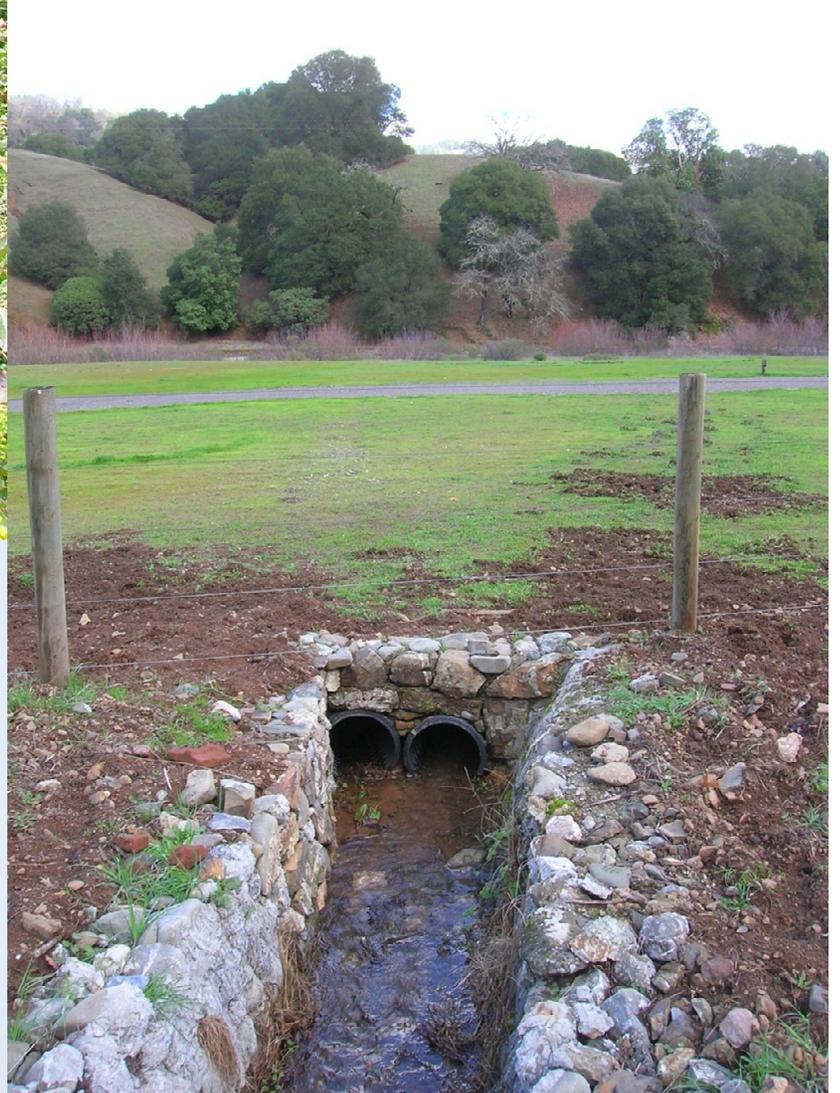


























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L.S. #4851  
725-9490

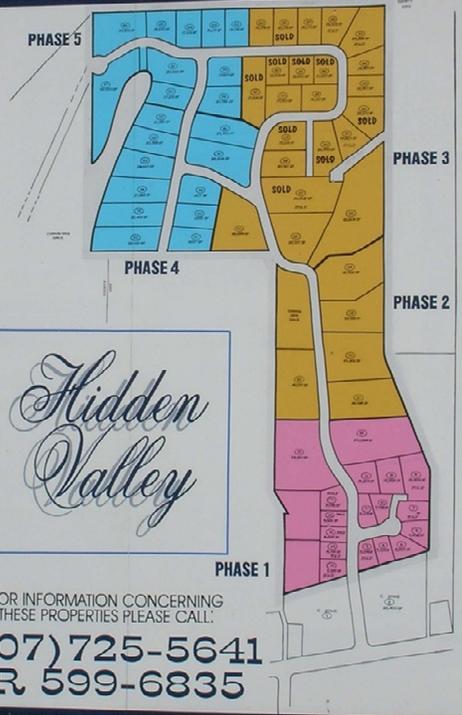
DEVELOPER  
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CONSTRUCTION CO., INC.

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**OR 599-6835**



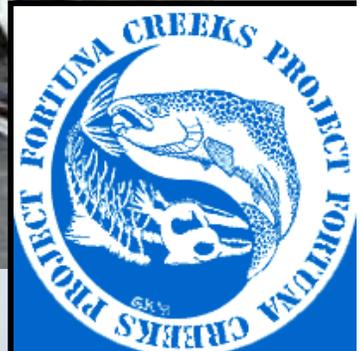
# Campbell Creek Restoration

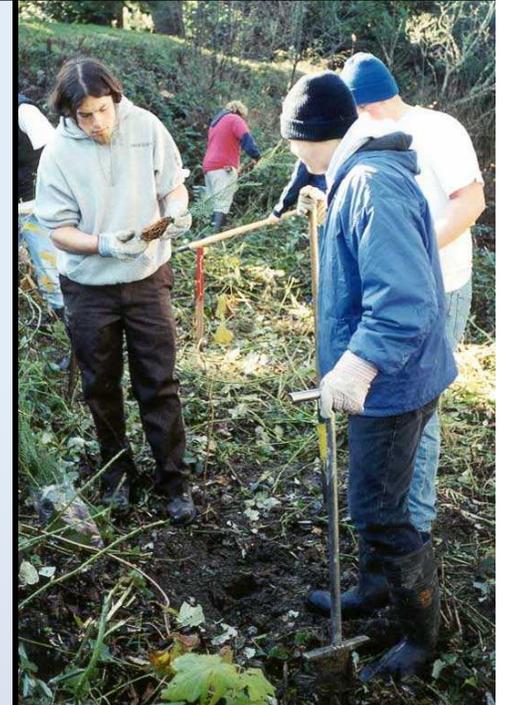
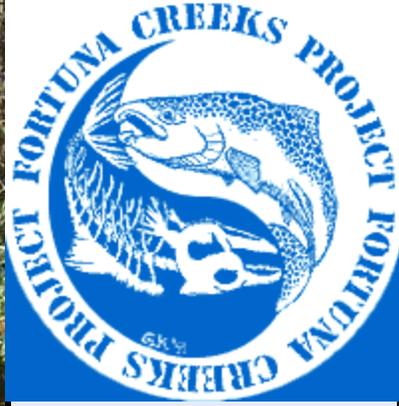


Julie Neander



# Creek Clean-Up 2004





# SENSITIVE HABITAT

## Wetland Protection

Wetlands and aquatic areas like this one have become rare. Many plants and animals that use them are now rare as well, including the threatened California red-legged frog. Off-trail trampling degrades these special habitats by causing erosion and introducing non-native plant species.

*Stay on trail*

Federal regulations require you to keep your dog from disturbing wildlife [36 CFR §2.2]. Pets must be on leash or under your control at all times.





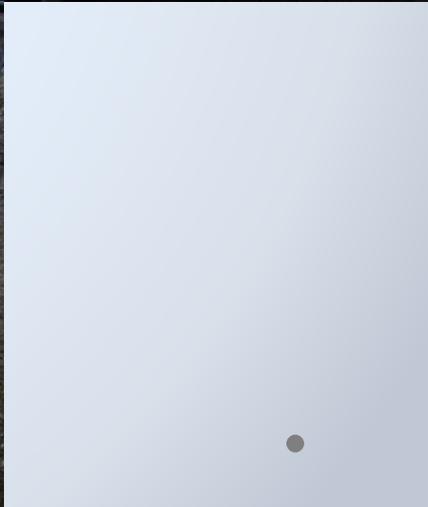
## PROTECT THESE PLANTS

### Please Avoid This Sensitive Area

WITH YOUR HELP, the plants will grow to provide valuable river habitat for wildlife. The young plants are fragile and easily damaged, so please avoid using the area. This project represents a committed effort to compensate for wildlife habitat losses that occurred during the construction of the flood control project. Public funds paid for this wildlife planting project. Please help protect the plants.



US Army Corps of Engineers/Sacramento District  
SAFCA / Control Unit



# CALIFORNIA WILDLIFE

*Conservation Challenges*



## CALIFORNIA'S WILDLIFE ACTION PLAN

Prepared by UC Davis Wildlife Health Center for the California Department of Fish and Game



# Natural Resource Conservation is the Confluence of Science and Public Policy





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