Oroville Wildlife Area Floodplain Reconnection and Habitat Restoration Project

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River Partners

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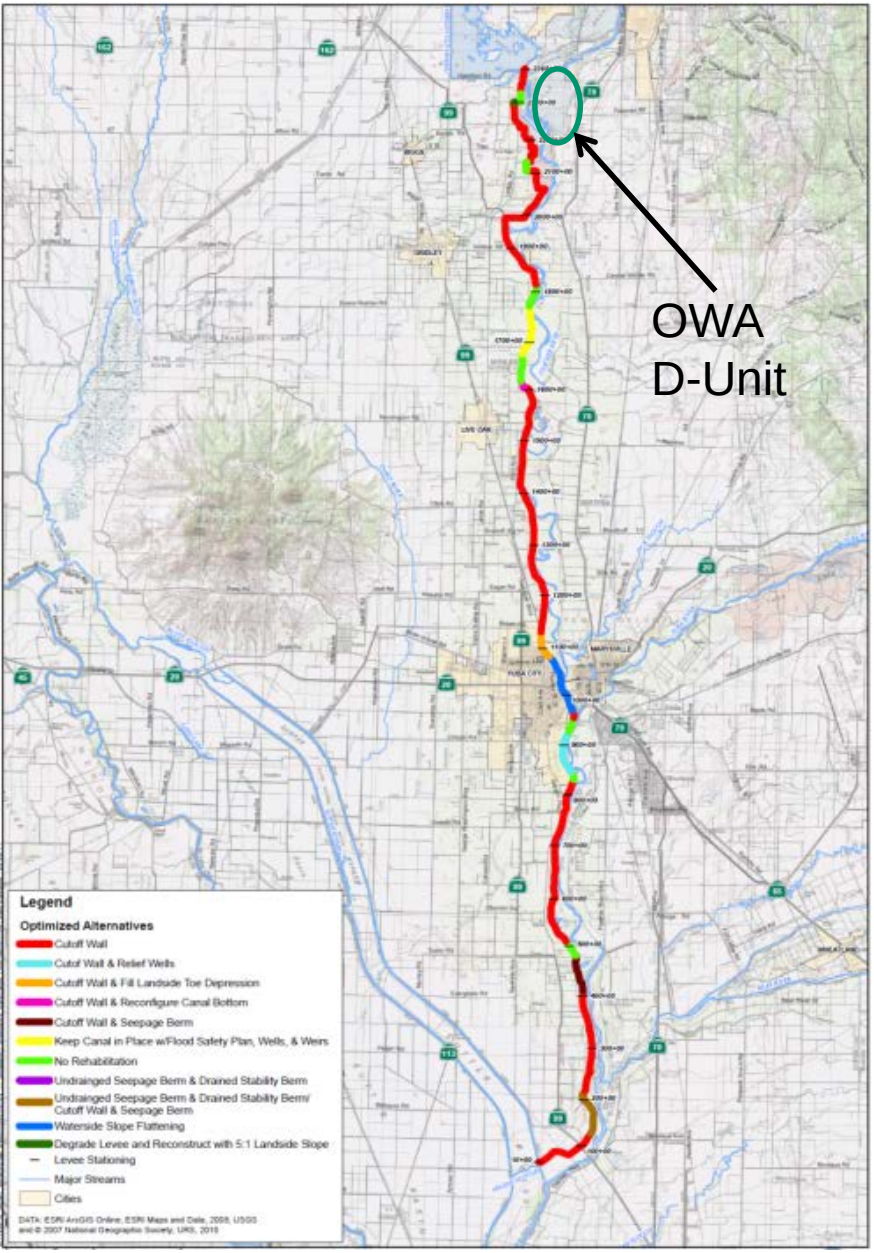
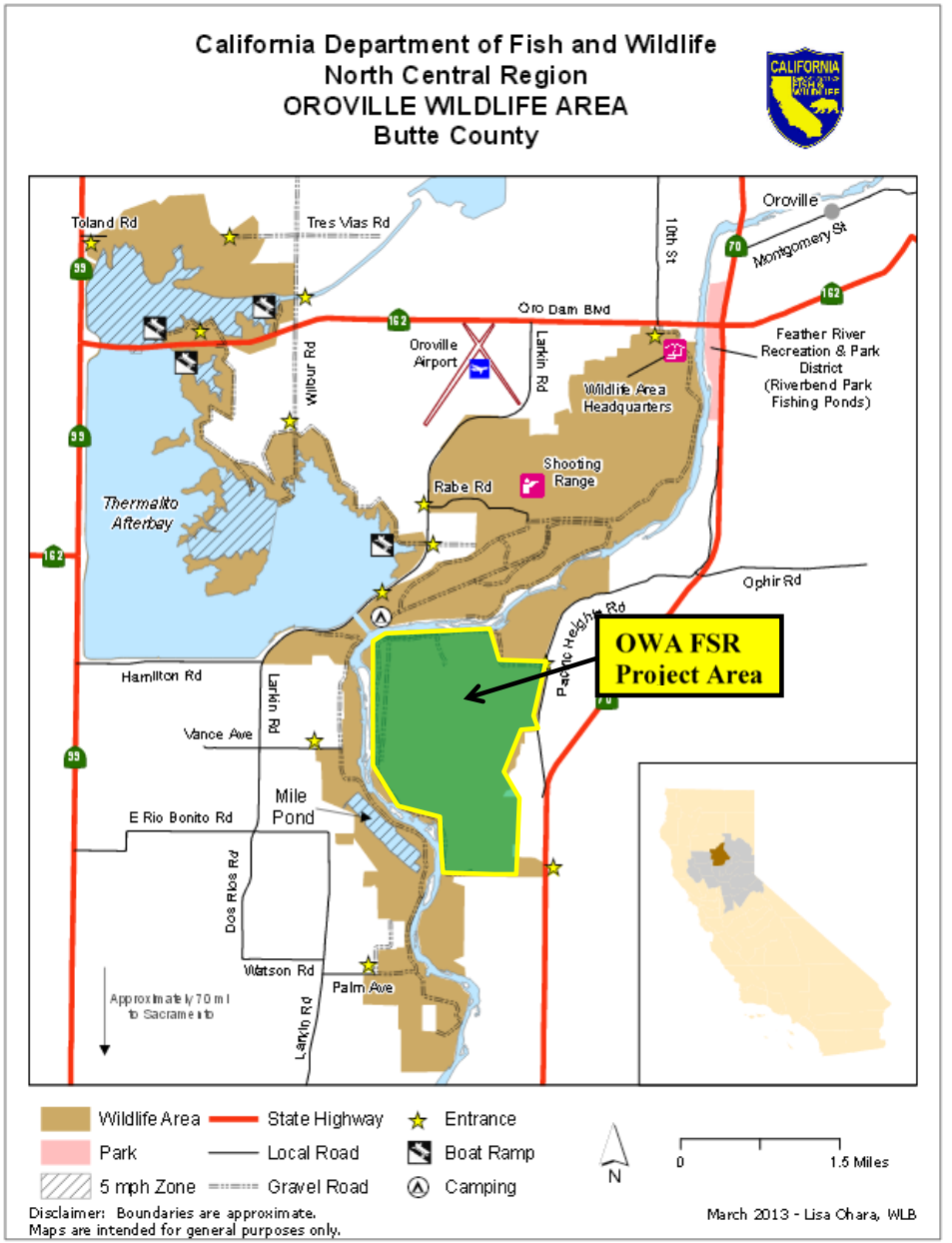

OWA
D-Unit
Legend
Optimized Alternatives
Cutoff Wall
Cutoff Wall & Relief Wells
Cutoff Wall & Fill Landside Toe Depression
Cutoff Wall & Reconfigure Canal Bottom
Cutoff Wall & Seepage Berm
Keep Canal in Place w/Flood Safety Plan, Wells, & Weirs
No Rehabilitation
Undrainged Seepage Berm & Drained Stability Berm
Undrainged Seepage Berm & Drained Stability Berm/ Cutoff Wall & Seepage Berm
Waterside Slope Flattening
Degrade Levee and Reconstruct with 5:1 Landside Slope
Levee Stationing
Major Streams
Cities


California Department of Fish and Wildlife
North Central Region
OROVILLE WILDLIFE AREA
Butte County
Toland Rd
Tres Vias Rd
Oro Dam Blvd
Oroville
Montgomery St
10th St
Oroville Airport
Larkin Rd
Wildlife Area Headquarters
Feather River Recreation & Park District (Riverbend Park Fishing Ponds)
Wilbur Rd
Shooting Range
Rabe Rd
Thermalito Afterbay
Ophir Rd
Pacific Heights Rd
OWA FSR Project Area
Hamilton Rd
Larkin Rd
Vance Ave
Mile Pond
E Rio Bonito Rd
Dos Rios Rd
Watson Rd
Palm Ave
Larkin Rd
Approximately 70 mi to Sacramento
Wildlife Area
Park
5 mph Zone
State Highway
Local Road
Gravel Road
Entrance
Boat Ramp
Camping
N
0
1.5 Miles
Disclaimer: Boundaries are approximate.
Maps are intended for general purposes only.
March 2013 - Lisa Ohara, WLB


HDR


DEPARTMENT OF WATER RESOURCES
STATE OF CALIFORNIA


RIVER
PARTNERS


CALIFORNIA
DEPARTMENT OF
FISH &
WILDLIFE


ICF
INTERNATIONAL


SUTTER BUTTE
FLOOD CONTROL AGENCY


American Rivers
Rivers Connect Us


PETERSON . BRUSTAD . INC
ENGINEERING . CONSULTING

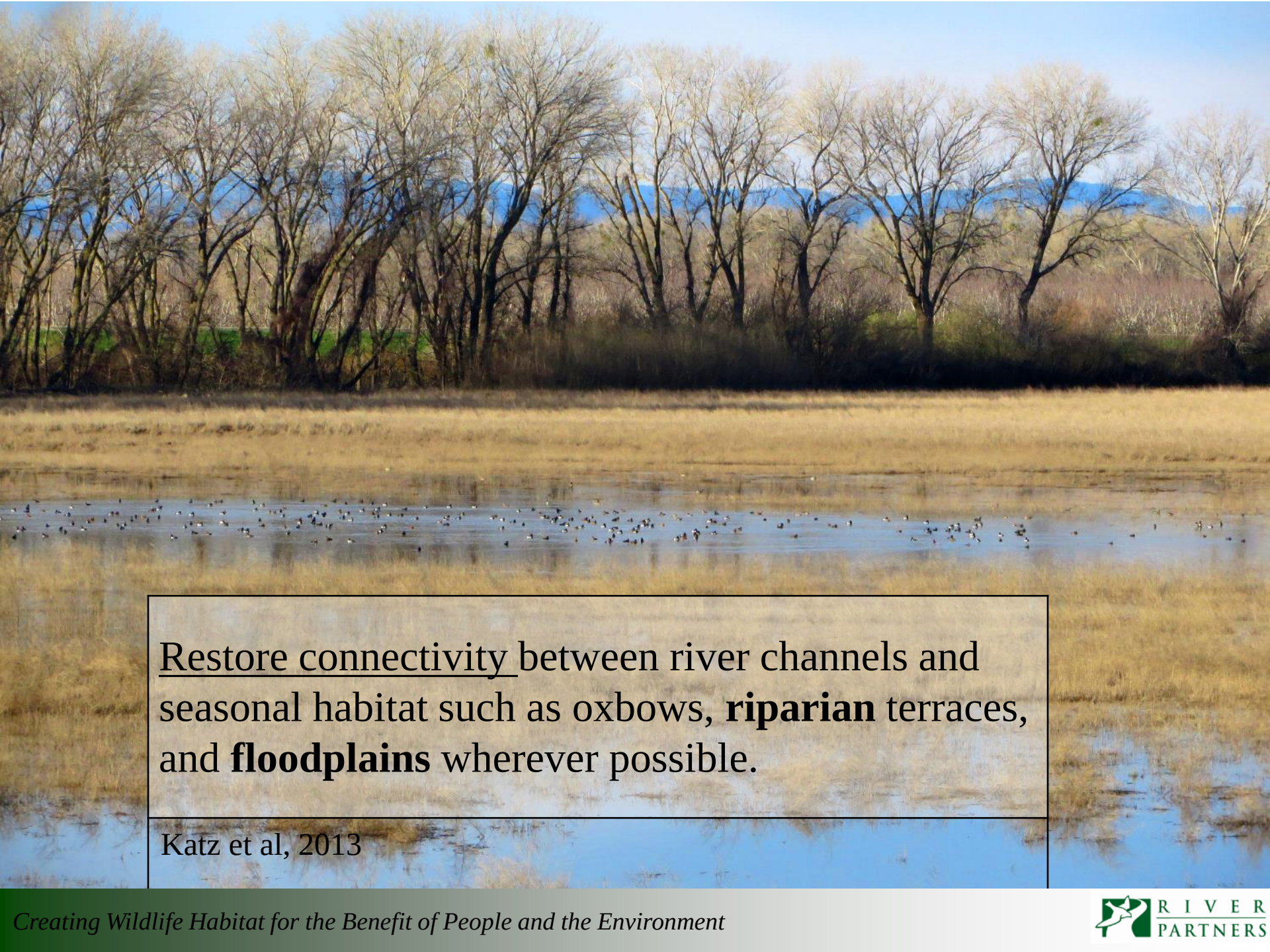
Project Objectives

Flood Control

- Reduce 200-year flood stage in the FR main channel by ~0.5’
- Reduce post-flood repair/maintenance efforts
- Improve overall flood system function, flexibility, and resiliency

Restoration and Recreation

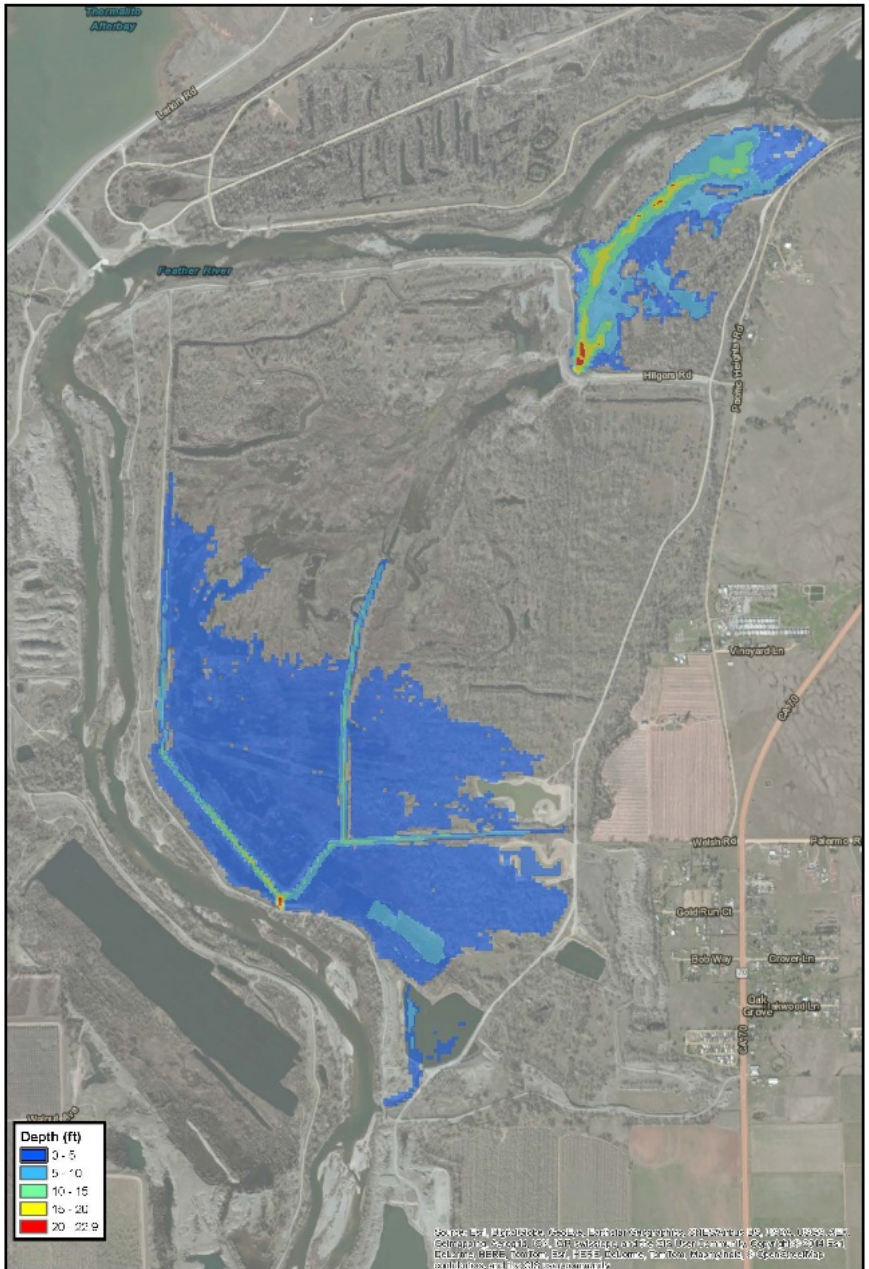
- Reduce the extent of invasive species
- Enhance floodplain by increasing the flood frequency into the D-Unit
- Improve interior channels and low flow outlet to decrease potential fish entrapment
- Increase fish rearing habitat through improved floodplain connectivity
- Improve recreational access

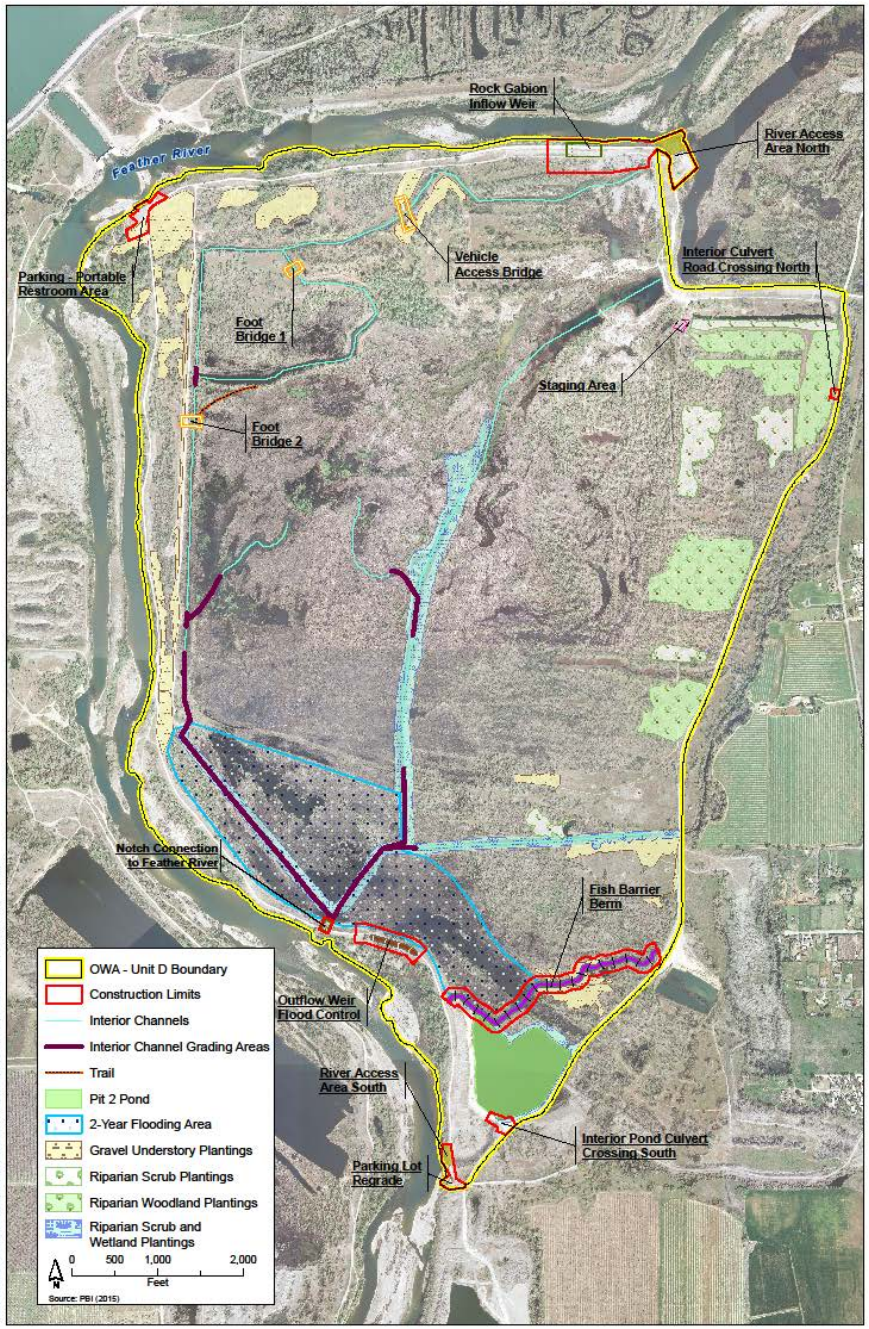


Restore connectivity between river channels and seasonal habitat such as oxbows, **riparian** terraces, and **floodplains** wherever possible.

Katz et al, 2013

New Permanent Connection vs. Box Culvert
~3-Yr Historical Event (~400 Acre Difference)




Rock Gabion Inflow Weir
River Access Area North
Feather River
Vehicle Access Bridge
Interior Culvert Road Crossing North
Parking - Portable Restroom Area
Foot Bridge 1
Staging Area
Foot Bridge 2
Notch Connection to Feather River
Fish Barrier Berm
Outflow Weir Flood Control
River Access Area South
Interior Pond Culvert Crossing South
Parking Lot Regrade
OWA - Unit D Boundary
Construction Limits
Interior Channels
Interior Channel Grading Areas
Trail
Pit 2 Pond
2-Year Flooding Area
Gravel Understory Plantings
Riparian Scrub Plantings
Riparian Woodland Plantings
Riparian Scrub and Wetland Plantings
0 500 1,000 2,000
Feet
N
Source: PBI (2015)

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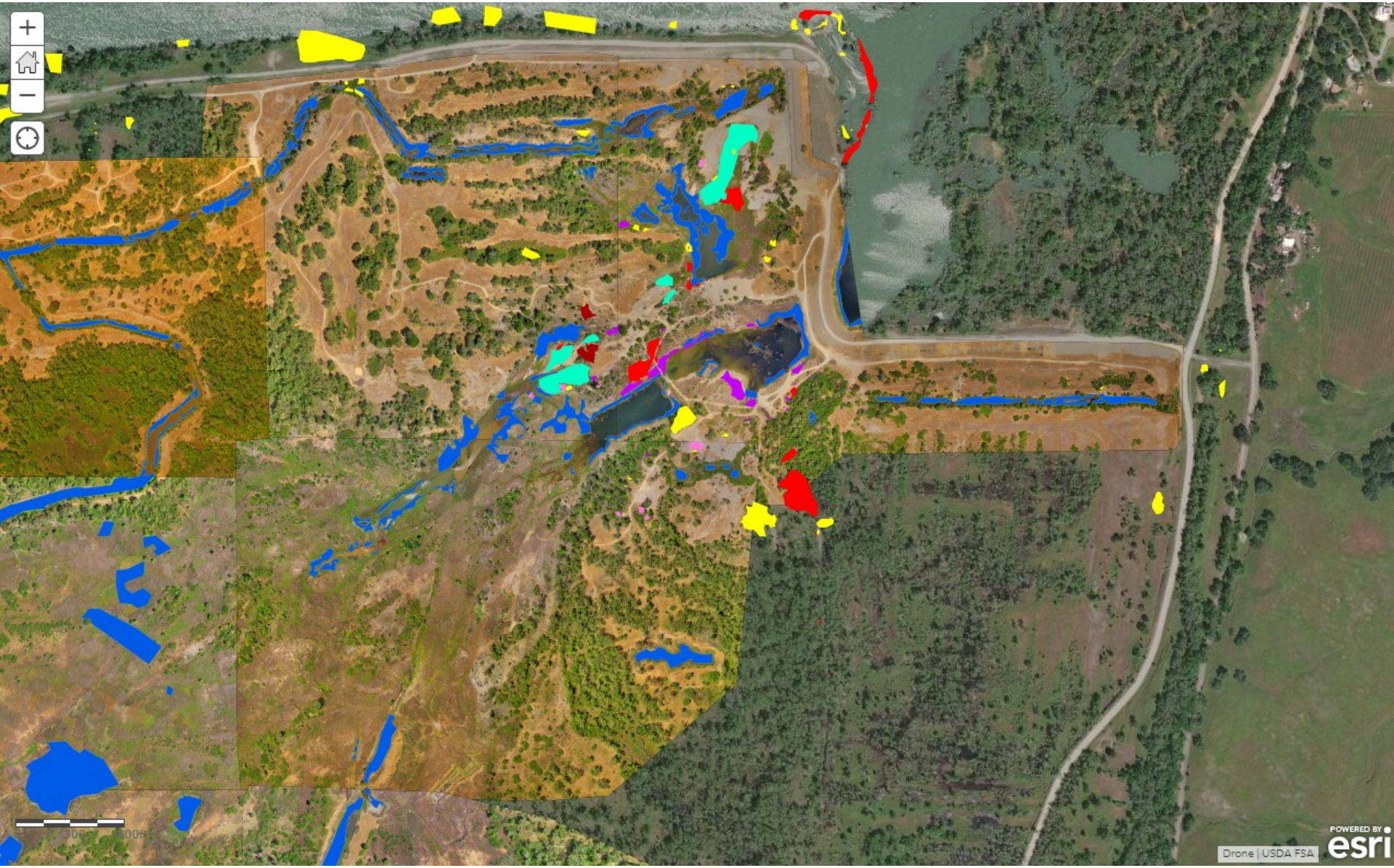
POWERED BY esri
Drone | USDA FSA

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