

Overview of Wallace Weir Fish Passage Project Within the Yolo Bypass Floodplain

Special Committee on Bay-Delta Item 3b October 25, 2016

Special Committee on Bay-Delta

Item #b Slide 1

October 25, 2016

Key Points

- Near-term fish rescue facility project in Yolo Bypass
- Funded by state and federal water contractors
- Annually will save thousands of adult salmon & sturgeon
- Other fish improvement projects under development

Regulatory Requirements Biological Opinion requirements for Yolo Bypass

 Tidal Marsh Restoration (8,000 acres total in Suisun Marsh, Delta & lower Yolo Bypass area)



- Seasonal floodplain habitat (17 20,000 ac.)
- Improve upstream fish passage
- Reduce migratory fish losses



Yolo Bypass Operations

 Sacramento River
 Flood Control Weir
 Feather River

 Yolo Bypass
 American River

 Ship Canal
 Sacramento

Yolo Bypass Operations

West Sacramento

Sacramento

Pre-1916 Flood Risk Before Flood Control Project Improvements

Yolo Bypass Operations

Sacramento River Volo Bypass Flood Control Weir Flood Control Weir American River Sacramento

ckton

ship Canal

Yolo Bypass Fish Improvement Projects

Feather River

> American River

Sacramento

ckton

River Fremont Weir Wallace Weir

Knaggs Ranch

- Ship Canal

Lower Yolo Restoration

Sacramento

Yolo Bypass Wallace Weir Facility & Operations

Sacramento River

Ridge Cut Ag Drainage Canal

> Wallace Weir Fish Recovery Facility

Sacramento River

> Sacramento International Airport

> > 8

Cache Creek

Tule Canal

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Yolo Bypass Wallace Weir Facility & Operations



2013 Google

Fremont Weir Operations & Proposed Improvements

Sacramento River

Ridge Cut Ag Return Flow Canal West By-pass Levee

Wallace Weir Fish Recovery Facility

Cache Creek

Tule Canal

2013 Google

Fremont Weir Fish Ladder Concept

> East By-pass Levee

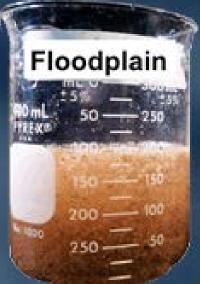
Sacramento <u>Rive</u>r

Yolo Bypass

Sacramento International Airport

The Food is on the Floodplain Bug Density across Habitats

2013 (

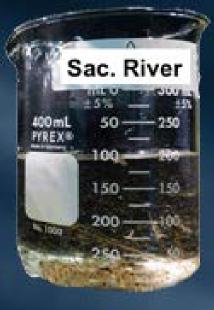


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> Fremont Weir 2 miles long

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YOLO BYPASS STURGEON RESCUE

Sacramento ABC News10 – Mar 2012

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STURGEON RESCUE

KINGDOM CRUMBLES

KJ ON KINGS

LAST HOME GAME?

KINGDOM CRUMBLES

JAPAN CRISIS

Ridge Ag Drai Can

Cache Cro

Near-Jerm Project Enlarge & Deepen Existing "Adult" Fish Ladder Longer-Term Project New "Juvenile & Adult " Fish Passage (*Conceptual*)

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CALIFORNIA ECO RESTORE



Summary Eco-Restore Program

Advancing 30,000 acres of habitat restoration

Multiple projects in various stages of planning

Driven by best available science, adaptive management, and multi-agency coordination

The Delta

Suisun Bay

izzley Bay

Stockton

Sacramento

State & Federal Pumping Plants

Califiornia's Bay-Delia

