

# **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

2013 Go ale

## 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

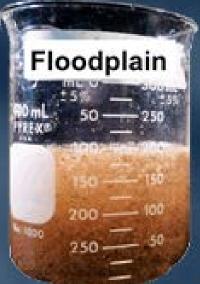
Sacramento <u>Rive</u>r

**Yolo Bypass** 

Sacramento International Airport

#### The Food is on the Floodplain Bug Density across Habitats

2013 (

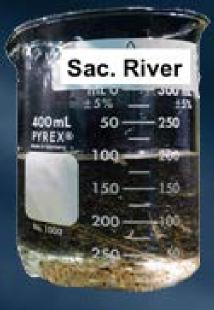


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> Fremont Weir 2 miles long

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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

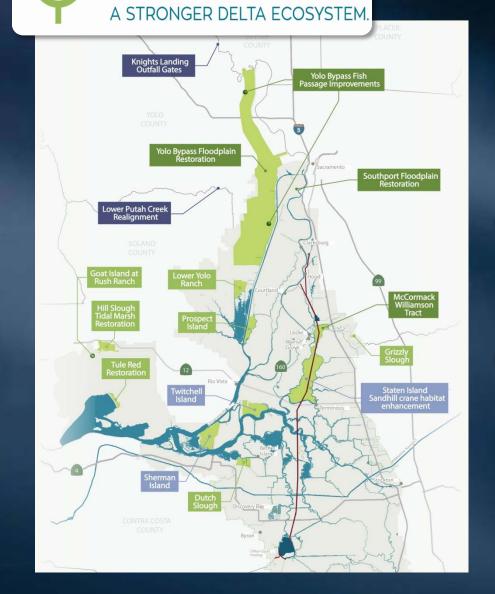
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Near-Jerm Project Enlarge & Deepen Existing "Adult" Fish Ladder Longer-Term Project New "Juvenile & Adult " Fish Passage (*Conceptual*)

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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

