



Lower Sutter Bypass Anadromous Fish Habitat Management Plan

Workshop #1

25 January 2021, 10am to noon

The goals for workshop #1 are to:

- *Launch the project*
- *Learn about workplan expectations and opportunities/challenges*
- *Share ideas / build trust*
- *Begin to develop a shared vision for a successful plan*



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Workshop #1 AGENDA

By:

10:05 Review agenda and get connected

10:25 Introduce our Project

10:35 Welcome our Project Team

10:50 Hear from Workshop Attendees

11:10 Review our Charter, Engagement Plan, Structured Decision-Making Process

11:20 Review our 2021 workplan

11:45 Set a Vision

11:55 Wrap-up and write down our next steps

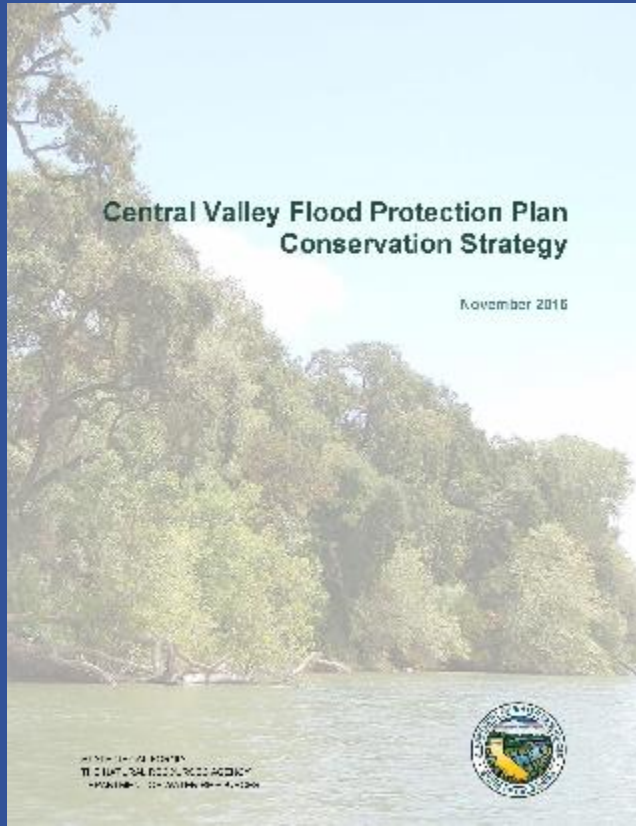
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Why are we here?



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Why is this going to work?



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Origins of this project



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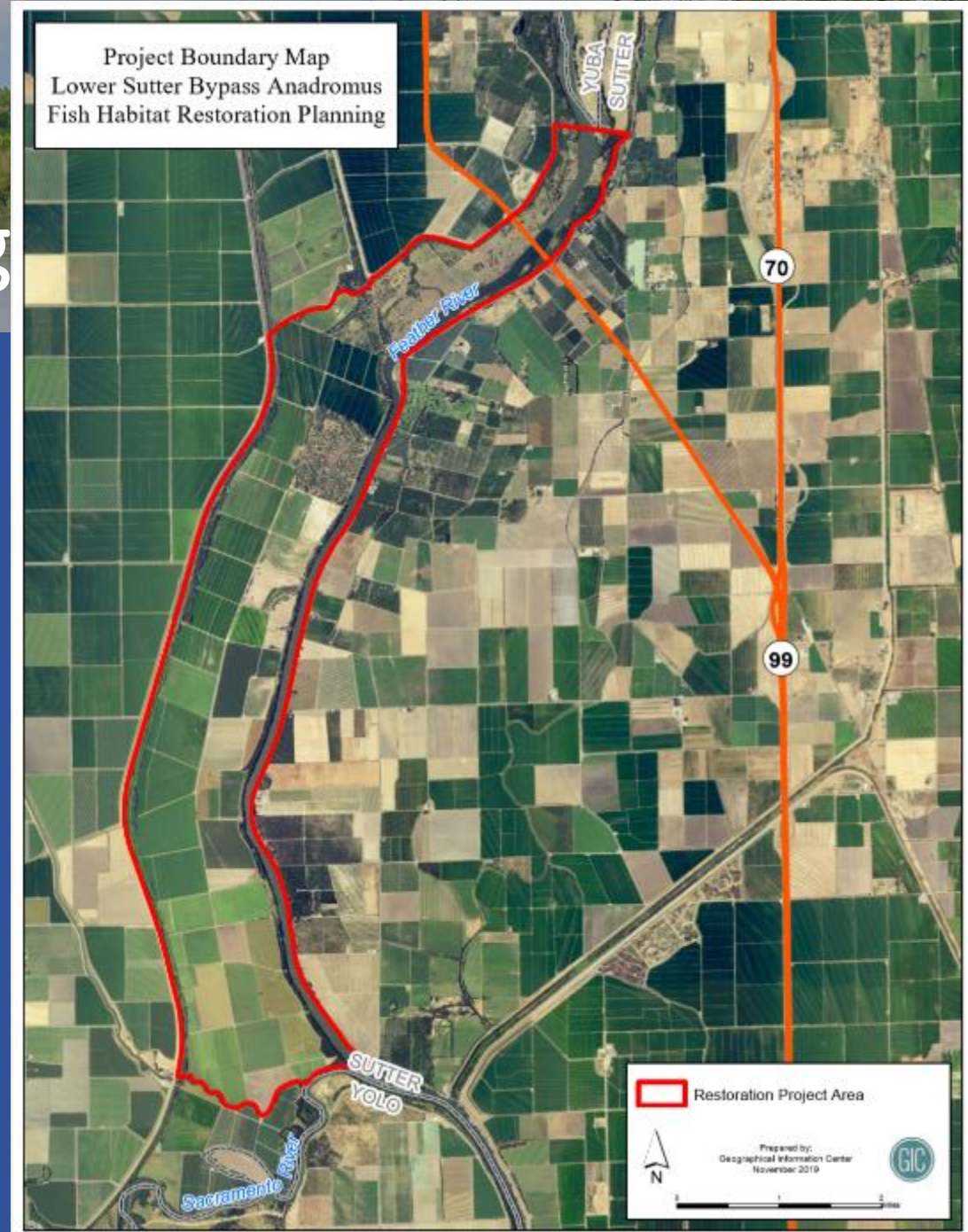
The Project Area:

Feather River and its confluence with Sutter Bypass

Nelson Slough Wildlife Area

Goose Club

Dos Rios Property (Norte?)





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Our Target:

By end of 2021 we have a completed Habitat Management Plan (concept-level) that improves site conditions for rearing juvenile salmon and has been vetted by the interested parties, is consistent with existing authorities, is feasible, is based on best available science, accommodates some uncertainty, and is actionable.

Over the course of 2021, sharing information and garnering support with other overlapping plans and programs, projects, stakeholders and communities.

Enough project resolution that we can proceed to CEQA/NEPA with reasonable assurance that the landowners are on board.



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What we don't want:

- A plan that is dreamy
- A plan that is too vague to act
- A 5-year permitting horizon
- A price tag that is too high
- Unsupported expectations for fish and wildlife
- Increased flood risk or maintenance costs
- Too little incentive for landowner engagement
- Bad science
- Conflict with authorities or other plans
- Hurt feelings or dashed expectations
- Confusion about how to proceed
- Angry neighbors
- Angry regulators
- Angry anyone
- Analysis paralysis
- Stalemate



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Introductions for our project team

- River Partners
- Bruce DiGennaro
- cbec inc., eco engineering (cbec) team
 - Hydrology, Geomorphology, Hydraulic Modeling, Alternative Design: **cbec** (West Sacramento, CA)
 - Project Director – Dr. Chris Bowles
 - Project Managers – Chris Campbell & Greg Kamman
 - Technical Advisor - Dr. Chris Hammersmark
 - Fisheries Biology: **Cramer Fish Science** (West Sacramento, CA)
 - Agricultural Economics: **Pacific Agroecology** (Davis, CA)
 - Outreach and Facilitation: **Kearns & West** (Davis, CA)
 - SDM Advisor: **Dr. Mark Henderson** (USGS, Arcata, CA)



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Introductions for workshop attendees

Name

Organization

Role

Expertise

Where are you now?



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Process Review

Charter

Engagement Plan

Structured Decision-making Process



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Charter

- A. Participants
- B. Mission Statement
- C. Core Principles
- D. Objectives
- E. Geographic Scope
- F. Process and Schedule
- G. Relationship to Other Processes



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Engagement Plan

Core Working Group

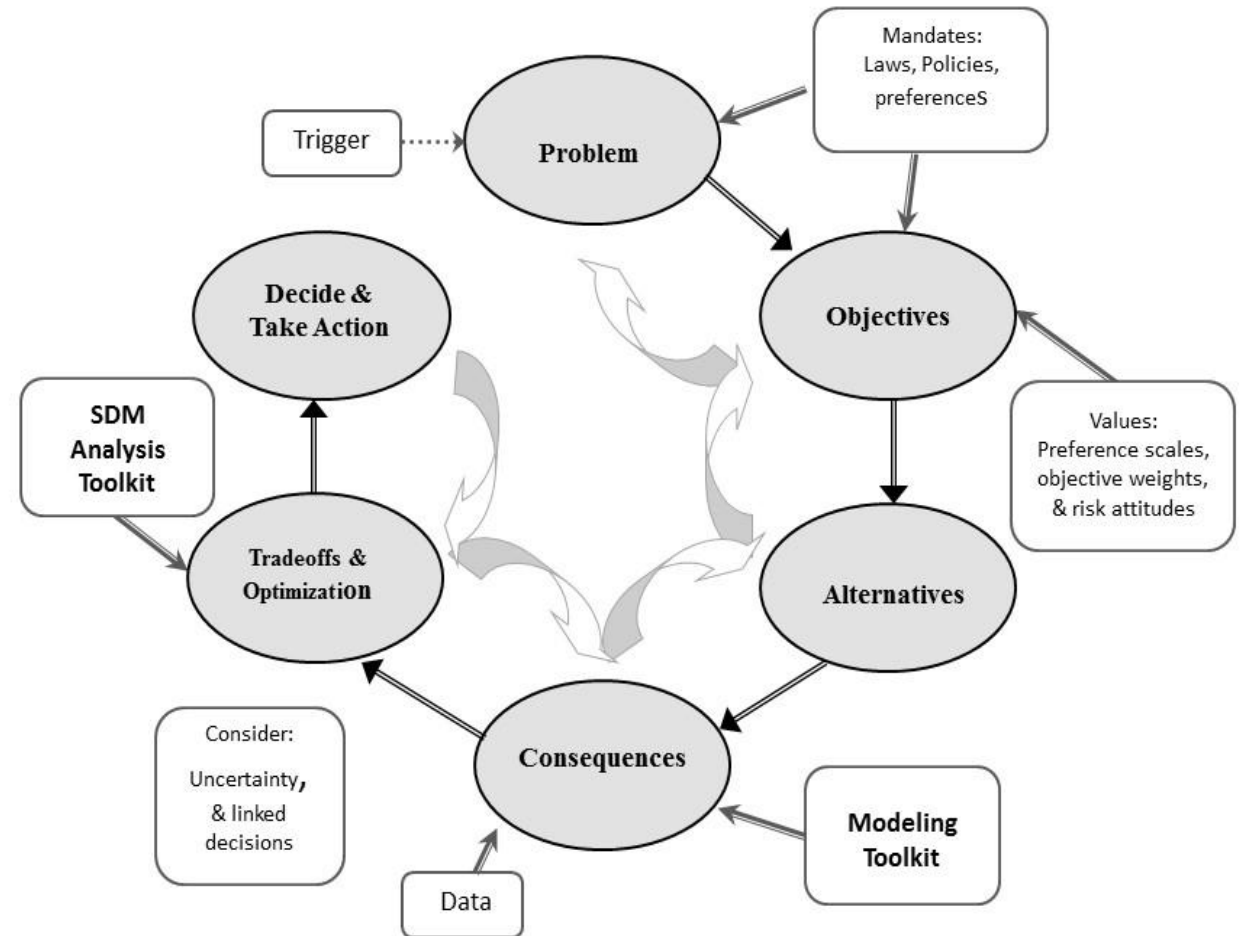
- 5-10 individuals
- 7 meetings over 12 months

Topical Workshops (5)

Structured Decision-making Process

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Structured Decision-making Process



Source: Jean Fitts Cochrane



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Review of 2021 Workplan: Objective

Guide development of a consensus-based Conceptual Restoration Plan that achieves the following:

- Identifies and develops opportunities to increase seasonal access for anadromous fish to floodplain refugia and rearing habitat on lands within the Project Area;
- Is compatible with surrounding agricultural management practices;
- Does not increase undesirable flood hazards;
- Solicits and addresses concerns and objectives of property owners and stakeholders; and
- Is completed in an open, transparent and informative manner through the SDM process.

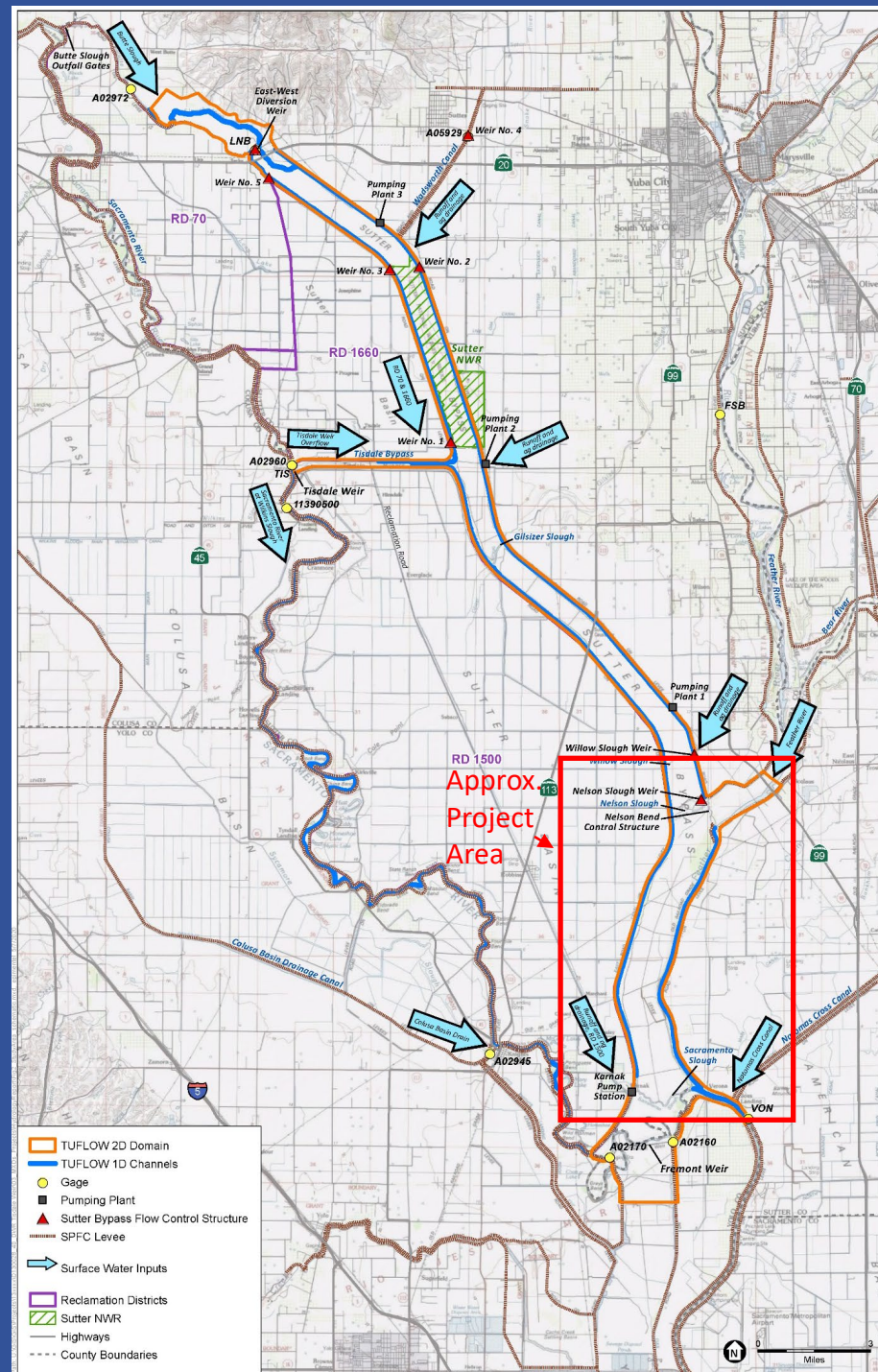


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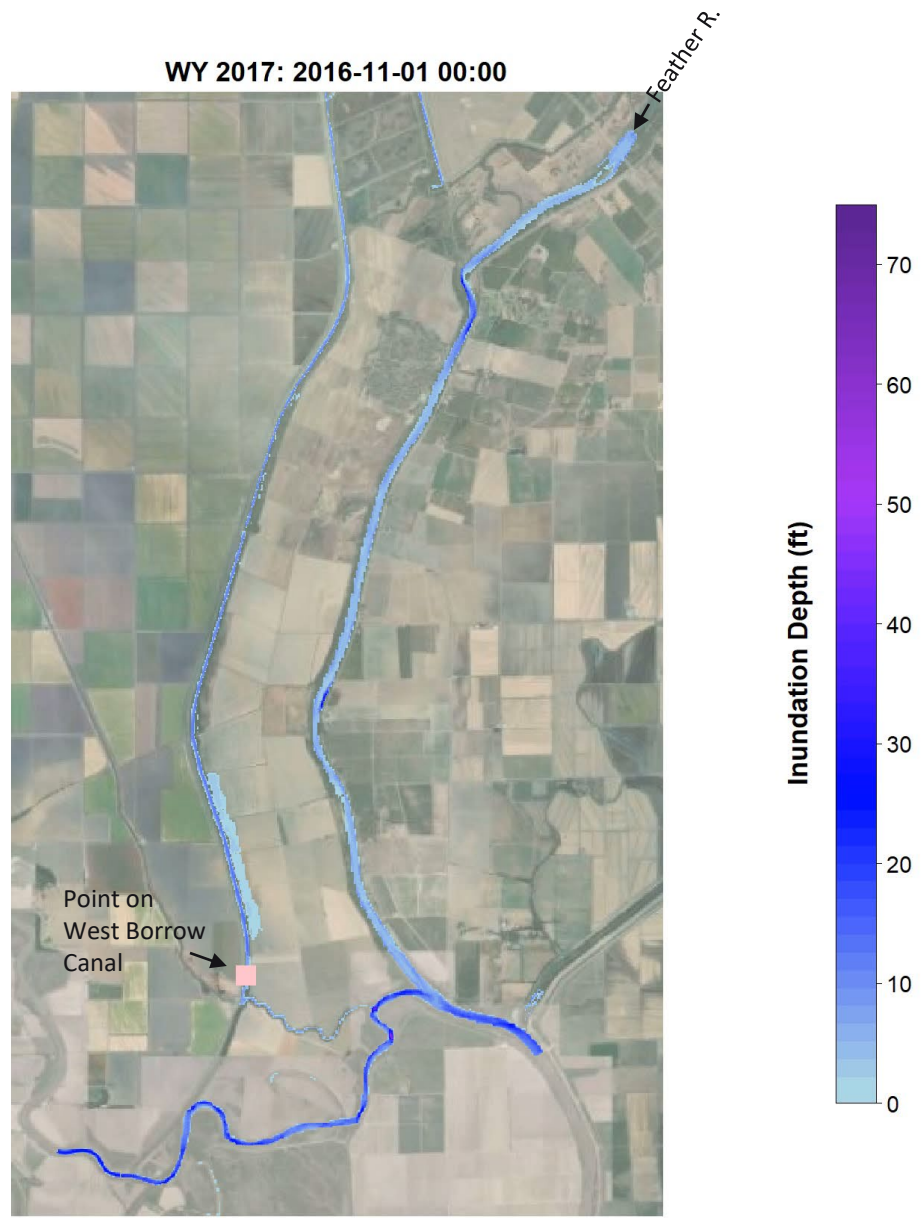
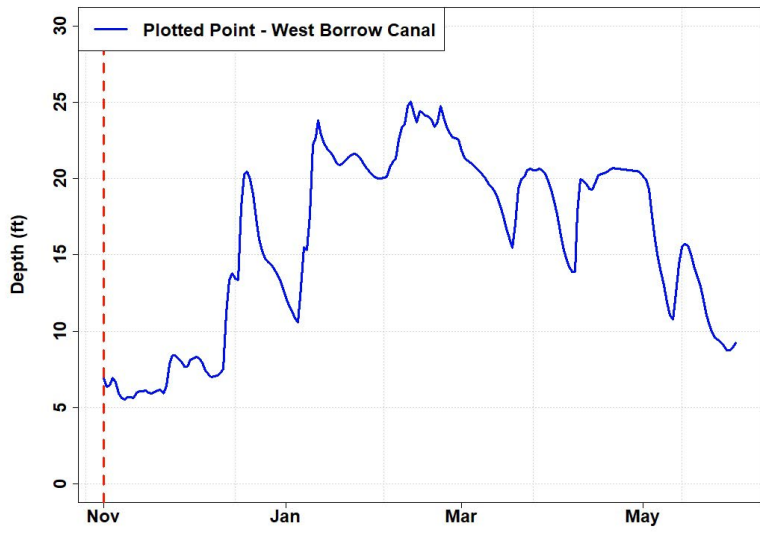
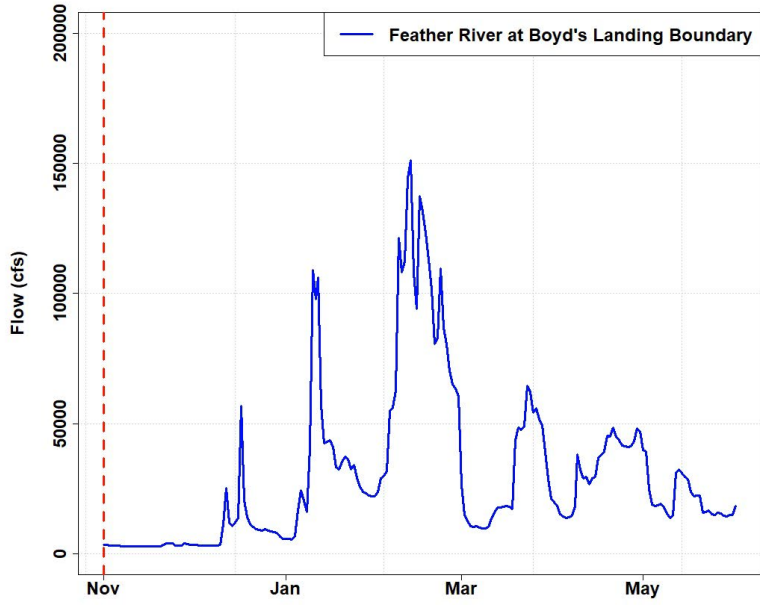
Review of 2021 Workplan: Approach

1. Develop Workplan – Core Work Group and CDFW
2. Review Existing Information (hydrology/hydraulics, biology, agriculture)
3. Field Reconnaissance and Meetings
4. Technical Assessments
 - Hydrology & Hydraulics
 - Conceptual Anadromous Fish Habitat Model
 - Agriculture Production Model

Review of 2021 Workplan: Hydraulic Model Example



Review of 2021 Workplan: Hydraulic Model Example (WY2017)





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Review of 2021 Workplan: Approach

5. Develop Conceptual Project Design Alternatives
6. Conduct Conceptual Alternative Feasibility Analyses
7. Prepare Conceptual Anadromous Fish Habitat Restoration Plan

Ongoing tasks:

- Outreach and Engagement (Work Group Meetings & Stakeholder Workshops)
- Project Management



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Setting our vision:

In 5 years, what will the Lower Sutter Bypass look like?

Physically, ecologically, management, community, conservation, flood safety

Landscape scale, expect a population-level response, amazing MB opportunity, model for global conservation – farms+flow+salmon+abundance, 4 runs, tens of millions, mosaic, waterfowl, flood control

Trajectory of heavier management and human intervention – disrupt this, create opportunities for ecological function return to the system, durability

Aquatic connectivity (flow+, barriers), entire landscape, migration and passage, entire life cycle

Locally supported!, partnerships, CSMO, regional goals compliment, flexible and adaptable



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Setting our vision continued:

Local needs met, consider other agencies' needs as our own, integrated process, Climate Change impacts

Implementable plan, action!

Outcomes guide us – what do the fish experience? “sanity check” from science partners, feeling good about the outcome and feeling good about the interaction together (different from the adversarial processes common in our world), MAJOR BENEFIT for fish!

Specter of big investments in planning that use lots of resources. Many people to create a plan, one or two to oppose. Plan needs to be easy to understand and translate and coordinate. Does MB mean everyone has to compromise? Is there a hierarchy of interests? Flood safety + fish recovery + ... coordinated management for the bypass. Dry years focus. Dry years are also the good farm years!



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Wrap up and next steps

Check the Schedule at:

<https://lowersutterbypassfish.org/>