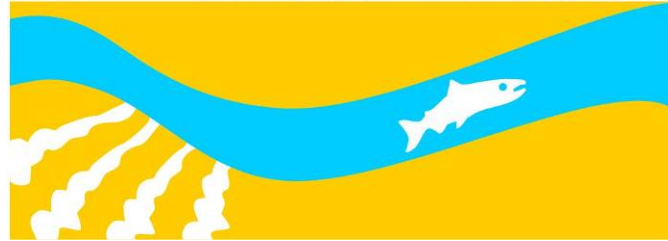


SAN JOAQUIN RIVER
RESTORATION PROGRAM



Water Management Technical Feedback Meeting

May 22, 2015
Sacramento, CA



Agenda Overview

- Recapture / Recirculation
- Investment Strategy
- Lecture Series 1: Water Infrastructure Funding Opportunities
- Lecture Series 2: SJRRP Framework for Implementation Update
- Restoration Flows Guidelines
- Part III Projects
- Next Meeting Dates and Locations



Recapture / Recirculation



Long-term R&R EIS

- Planning and impacts analysis for WY 2018 and beyond.
- NEPA-only document
 - No clear CEQA lead
 - Prepare EIS compliant with CEQA Guidelines
- Alternatives Development Phase
 - Scoping meetings August 2015



R&R Plan

- Recirculation Chapter revised in 2013 with Friant Contractor input
- Focus for 2015: largely complete Delta Recapture Chapter and associated operations agreements
- Schedule
 - Revised Admin Draft Plan: May 2016
 - Draft Plan: July 2016
 - Final Plan: September 2016



Investment Strategy



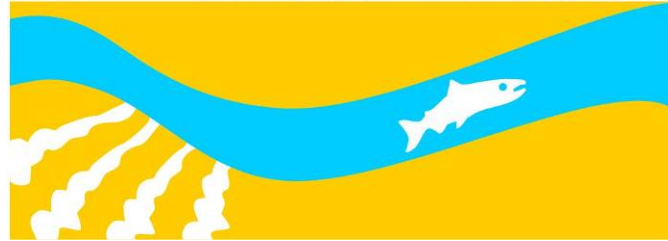
Final Investment Strategy Report

- Final Report is complete
- Available on SJRRP website



Lecture Series I: Water Infrastructure Funding Opportunities

SAN JOAQUIN RIVER
RESTORATION PROGRAM



Drought Response Program FY 2015 Funding Opportunities

Sheri Looper
Resource Management Division



Overview

- Background
- FY 2015 Drought Funding Opportunity Announcements (FOA)
 - Allocation of Funding
 - Eligible Applicants
 - Resiliency Project Examples
 - Evaluation Criteria
 - Application Process
- Other Funding Opportunities



Reformulation of the Existing Drought Program

- Historically, most Drought Program funding was used for emergency response actions -- very little funding has been used for planning or to build long-term resilience to drought
- New Drought Response Program will support a proactive approach for non-Federal partners to prepare for and respond to drought



Reformulation of the Existing Drought Program

- According to FEMA, mitigation-taking steps ahead of time to prevent or lessen known impacts from a natural disaster-saved \$4 for every \$1 expended
- Planning ahead is more efficient and effective than taking measures in a crisis



Funding Opportunity Announcements

Allocation of Funding

Element	FY15 Funding (\$5M total)	50% Cost Share	Number of plans/projects
Drought Contingency Planning	\$1-2M depending on demand	Required, waiver available	5-10 (up to \$200k per plan)
Drought Resiliency Projects	\$2-3M depending on demand	Required	7-11 (up to \$300k per project)



Funding Opportunity Announcements

Eligible Applicants

Program Element	Eligible Applicants
Drought Contingency Planning	States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located within the 17 Western U.S. States and Hawaii
Drought Resiliency Projects	States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the western United States or Territories as identified in the Reclamation Act of June 17, 1902, as amended



Drought Contingency Planning

- Defined as actions taken by individuals, industry, government, and others before a drought occurs to mitigate impacts and conflicts.
- Comprehensive plan to address drought and plan in advance of a crisis.
 - How will you recognize the next drought in the early stages?
 - How will the drought affect you?
 - How can you protect yourselves?



Drought Contingency Planning Evaluation Criteria

- Need for a Drought Plan or Plan Update (40 points)
 - Status of existing drought plan and the drought risks to be addressed in the plan
- Diversity of Stakeholders (35 points)
 - Letters of support and proposed outreach efforts
- Project Implementation (20 points)
 - Implementation plan and availability of data, models, and qualified staff
- Nexus to the Bureau of Reclamation (5 points)
 - Connection to a Reclamation project or activity



Drought Resiliency FOA

Project Requirements

- Supported by an existing drought plan
- Projects that build resiliency to drought by:
 - increasing the reliability of water supplies;
 - improving water management
 - facilitating the sale, transfer, or exchange of water; and
 - providing benefits for fish and wildlife and the environment
- Completed within two years



Drought Resiliency FOA

– Example Projects

Project Type	Description
Infrastructure Improvements:	Lowering surface water intakes, develop/expand small-scale water storage, expand recharge programs, construct wells
Measurement, Modeling, and Monitoring	Water meters, online drought management tools, improved water models
Facilitating the Sale, Transfer, or Exchange of Water	Developing a water bank, or systems and programs that support water marketing, such as online tools that link buyers and sellers, or that help identify transfer priorities within a basin
Protection for fish and Wildlife and the Environment	Providing benefits for fish and wildlife and the environment: Installing fish screens and diversion structures, habitat management/ restoration



Drought Resiliency Projects

- Evaluation Criteria

- **Project Benefits (35 points)**
 - Project will make additional water supplies available, or improve operational flexibility or water management.
- **Drought Planning and Preparedness (25 points)**
 - Proposed project is supported in an existing drought plan
- **Actual or Potential Drought Impacts (20 points)**
 - Severity of ongoing/recent/projected drought in project area and existing or potential impacts (e.g., to public health, economic losses, environment or other impacts)
- **Nexus to Reclamation (15 points)**
 - Connection to a Reclamation project or activity
- **Project implementation (5 points)**
 - Implementation plan and schedule



Application Process

- Posted FOA on May 11, 2015
- 45-Day application period closing June 25, 2015
- Grants.gov
 - Drought Planning: R15AS00047
 - Drought Resiliency: R15AS00046
- ARC Review early July
- Selections announced in August, 2015
- Awards made prior to end of FY 2015



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NEWEST OPPORTUNITIES
BROWSE CATEGORIES
BROWSE AGENCIES
BROWSE ELIGIBILITIES

Funding Opportunity Number	Opportunity Title	Agency
RFA-OAA-15-000021	Human Resource for Health (HRH) Program	Agency for International Development
EPA-OPP-2015-005	Field Implementation Meeting Support	Environmental Protection Agency
F15AS00231	NFWF-USFWS Conservation Partnership 2015	Fish and Wildlife Service
DOSRUS-15-GR-003	FY 2015 Gap Year Program for Russian Students	U.S. Mission to Russia
SM-16-001	Planning Grants for Certified Community Behavioral Health Clinics (Short Title: CCBHCs Planning Grants)	Substance Abuse & Mental Health Services Adminis.

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Grantors

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- Grants.gov Scheduled Maintenance**
 Outage: June 20-22, 2015
- Grants.gov Notices - Updated May 11, 2015**
 For more information on upcoming changes with user impacts, please visit the Grants.gov notices page for the latest information.
- Grants.gov Releases**
 For information about recent changes and enhancements to Grants.gov, review the latest release notes.
- Grants.gov Blog**
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- DATA Act Section 5 Pilot Program Presentation**
 The Department of Health and Human Services (DHHS) recently organized a webinar about the DATA Act Section 5 Pilot Program.
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R15AS00047
WaterSMART: Drought Contingency Planning Grants for Fiscal Year 2015
 Department of the Interior
 Bureau of Reclamation

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SYNOPSIS DETAILS VERSION HISTORY RELATED DOCUMENTS **APPLICATION PACKAGE**

[Print Synopsis Details](#)

The synopsis for this grant opportunity is detailed below, following this paragraph. This synopsis contains all of the updates to this document that have been posted as of 5/11/2015. If updates have been made to the opportunity synopsis, update information is provided below the synopsis.

If you would like to receive notifications of changes to the grant opportunity click [send me change notification emails](#). The only thing you need to provide for this service is your email address. No other information is requested.

Any inconsistency between the original printed document and the disk or electronic document shall be resolved by giving precedence to the printed document.

General Information

Document Type: Grants Notice	Posted Date: May 11, 2015
Funding Opportunity Number: R15AS00047	Creation Date: May 11, 2015
Funding Opportunity Title: WaterSMART: Drought Contingency Planning Grants for Fiscal Year 2015	Original Closing Date for Applications: Jun 25, 2015
Opportunity Category: Discretionary	Current Closing Date for Applications: Jun 25, 2015
Funding Instrument Type: Grant	Archive Date: Jul 25, 2015
Category of Funding Activity: Natural Resources	Estimated Total Program Funding: \$2,000,000
Category Explanation:	Award Ceiling: \$200,000
Expected Number of Awards: 10	Award Floor: \$0
CFDA Number(s): 15.514 -- Reclamation States Emergency Drought Relief	
Cost Sharing or Matching Requirement: Yes	

Eligibility

Eligible Applicants: Others (see text field entitled "Additional Information on Eligibility" for clarification)

Additional Information on Eligibility: States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the Reclamation States or Hawaii.

Additional Information



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R15AS00047
 WaterSMART: Drought Contingency Planning Grants for Fiscal Year 2015
 Department of the Interior
 Bureau of Reclamation

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SYNOPSIS DETAILS VERSION HISTORY RELATED DOCUMENTS APPLICATION PACKAGE

Selected Grant Applications for Download

Print Package List

Download the application and its instructions by selecting the corresponding download link. Save these files to your computer for future reference and use. You do not need Internet access to read the instructions or to complete the application once you save them to your computer.

READ BELOW BEFORE YOU APPLY FOR THIS GRANT!
 Before you can view and complete an application package, you MUST have Adobe Reader installed. Application packages are posted in Adobe Reader format. You may receive a validation error using incompatible versions of Adobe Reader. To prevent a validation error, it is now recommended you uninstall any earlier versions of Adobe Reader and install the latest compatible version of Adobe Reader. If more than one person is working on the application package, ALL applicants must be using the same software version. [Click for more information on Adobe Reader Compatibility.](#)

Please click the support tab for additional resources.

Below is a list of the application(s) currently available for the Funding Opportunity.

To download the application instructions or package, click the corresponding download link. You will then be able to save the files on your computer for future reference and use.

CFDA	Competition ID	Competition Title	Open Date	Close Date	Actions
15.514			05/11/2015	06/25/2015	Select Application Package to Download



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Download Opportunity Instructions and Application. You have chosen to download the application for the following opportunity.

CFDA Number: 15.514 - Reclamation States Emergency Drought Relief
Opportunity Number: R15AS00047
Competition ID:
Competition Title:
Agency: Bureau of Reclamation
Opening Date: 05/11/2015
Closing Date: 06/25/2015

Please review Applicant FAQs as you prepare and submit your application.

To download an application, you will need to submit an email address so that you can be notified of any changes to the application before the closing date. Your e-mail address will allow us to e-mail you in the event this opportunity is changed and republished on Grants.gov before its closing date.

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 WaterSMART: Drought Contingency Planning Grants for Fiscal Year 2015
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- RELATED DOCUMENTS
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 Opportunity Number: R15AS00047
 Competition ID:
 Competition Title:
 Agency: Bureau of Reclamation
 Opening Date: 05/11/2015
 Closing Date: 06/25/2015

Thank you for registering to receive notification of changes to this opportunity. Should any changes be made to the opportunity or its instructions you will be notified via e-mail at slooper@usbr.gov.

Please review applicant FAQs as you prepare and submit your application.

Download the instructions and the application by selecting the appropriate link below. Instructions will open directly in your browser and can be saved to your computer. Packages must be saved directly to your computer. You do not need Internet access to read the instructions or the application once you save them to your computer.

1. Download Application Instruction
2. Download Application Package



Other Reclamation Funding Opportunities

- Agricultural Water Conservation and Efficiency Grants
- Bay-Delta Restoration Water Use Efficiency Grants
- WaterSMART: Water and Energy Efficiency Grants



Other Funding Opportunities

- CDFA
 - STATE WATER EFFICIENCY AND ENHANCEMENT PROGRAM
- USDA
 - NRCS, EQIP
- Ca.gov/drought
 - California Drought Assistance Programs



2014 Drought Assistance Programs

The agencies below may have programs or resources available for:	State	Ches	Counties	Farmers	Fisherman	Individuals	Farm Laborers	Nurses	Parks	Private Businesses	Private Non Profits	Rafting	Ranchers	School Districts	SM Recreates	Tourism	Tribes	Public Water Systems	Agricultural Water	Skills Resource	Conservation Districts	
California Department of Aging Area Agencies on Aging (AAA)																						
California Department of Business Oversight Division of Financial Institutions State Banking																						
California Department of Community Services and Development (CSD) Low-Income Home Energy Assistance Program (LIHEAP)				💧	💧	💧	💧						💧									
California Department of Fish and Wildlife																						
California Department of Food and Agriculture																						
California Department of Forestry and Fire Protection																						
California Department of General Services																						
California Department of Health Care Services (DHCS) Medi-Cal Health Coverage				💧	💧	💧	💧						💧									
California Department of Housing and Community Development (HCD) Community Development Block Grants (CDBG) Drought Housing Rental Subsidies (DHRS)		💧	💧	💧	💧	💧	💧						💧									
California Department of Public Health (CDPH) Safe Drinking Water State Revolving Fund		💧	💧							💧	💧			💧								💧
California Department of Public Health (CDPH) Prop 84 Part 2 Emergency Grant Funds Project		💧	💧							💧	💧			💧								💧
California Department of Public Health (CDPH) Women, Infants, and Children (WIC) Supplemental Nutrition Program				💧	💧	💧	💧						💧									
California Department of Social Services (CDSS) CalFresh				💧	💧	💧	💧						💧									💧
California Department of Social Services (CDSS) CalWORKs					💧	💧	💧															
California Department of Social Services (CDSS) Drought Emergency Food Assistance Program (DFAP)					💧	💧					💧											



Questions?

Drought FOAs

Irene Hoiby

IHoiby@usbr.gov

303-445-2025

General

Sheri Looper

slooper@usbr.gov

916-978-5556



Lecture Series 2: Framework for Implementation Update



WHAT ARE WE DOING AND WHY?



Why are we Updating the Framework?

1. Common vision/path forward for implementing the Program
2. Identify Implementing Agencies roles and responsibilities with more accountability
3. Realistic schedules and funding outlooks so the Program can demonstrate success



Why bother?

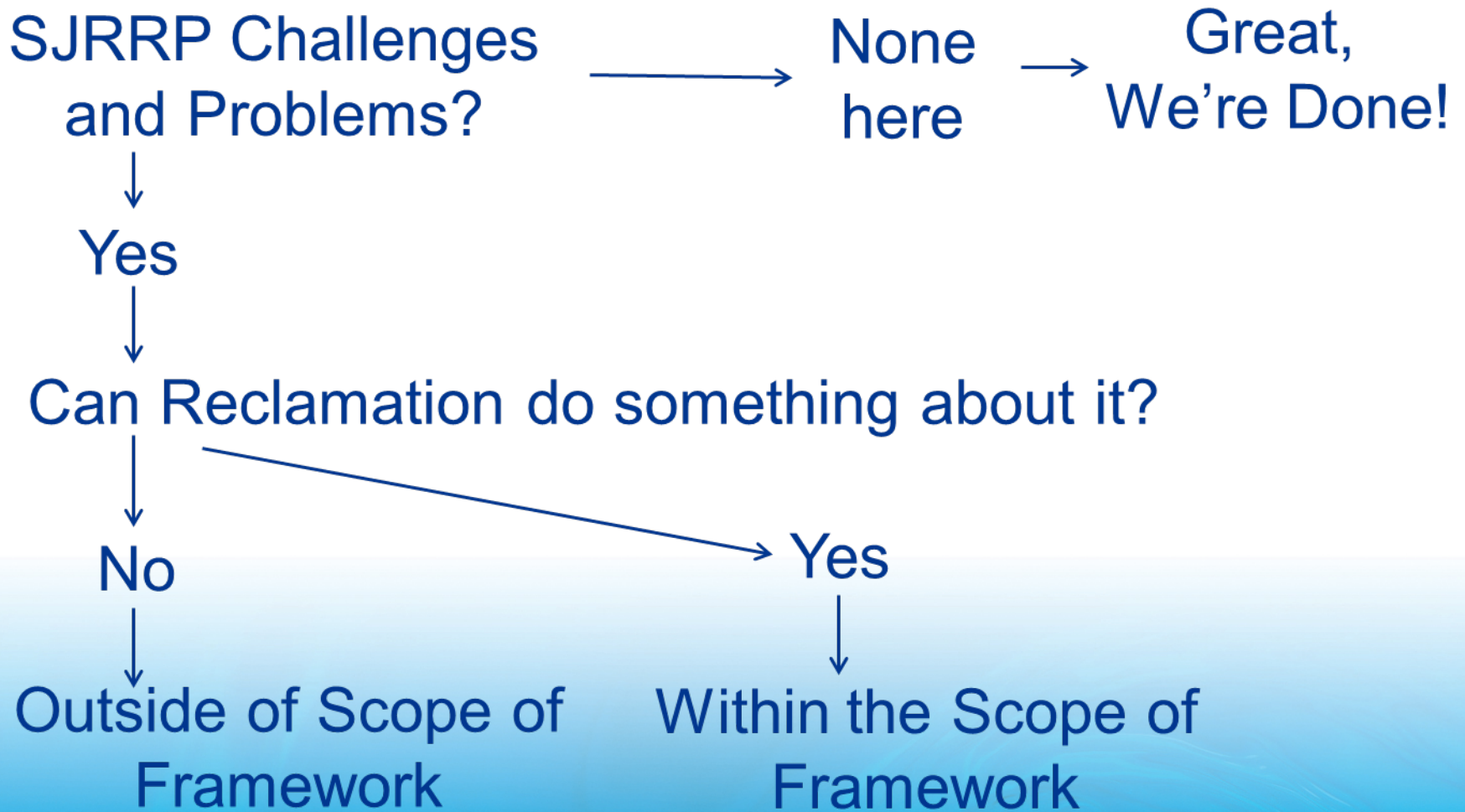
Why not let the Settlement fail?

Significant risks for all parties:

- Reclamation
 - Judge continues remedy phase, orders flows
 - SWRCB includes instream flow requirements on water rights
- NRDC
 - No channel improvement projects
 - No active fish reintroduction
- Friant
 - Flow releases as ordered by Judge
 - No Water Management Goal projects
 - SWRCB instream flow requirements
- Third Parties
 - Flow releases as ordered by Judge
 - No seepage, levee stability, third party protections and other infrastructure projects
 - Uncertain future California Fish and Game Code 5937 compliance at Mendota Dam and Sack Dam
 - SWRCB instream flow requirements



Actions Within the Scope





Will Not Consider...

- Changes to or violations of the Settlement
- Changes to or violations of the Act
- Changes to or anything inconsistent with Reclamation law or policy
- Anything that violates State or Federal law
- Returning to court for a “better” deal
- “Just get more money”
- Not implementing the entire Settlement or Settlement Act (no cherry picking actions)
- Miracles in addressing staffing, schedule, and process constraints
- Reclamation/Congress just go “fix it”
- Hoping it fixes itself



FRAMEWORK OVERVIEW



Schedule of Key Actions

2015-2019	2020-2024	2025-2029	2030+
<p>Goal: 1,300 cfs Capacity in all Reaches</p>	<p>Goal: Increased Capacity</p>	<p>Goal: Phase 1 Projects Complete</p>	<p>Goal: All Remaining Projects Complete</p>
<ul style="list-style-type: none"> • Friant-Kern Capacity Restoration • Madera Canal Capacity Restoration • Mendota Pool Bypass • Conservation Facility • Seepage Projects to 1,300 cfs 	<ul style="list-style-type: none"> • Part III / Financial Assistance for Groundwater Banks • Reach 2B • Arroyo Canal and Sack Dam • Reach 4B Land Acquisition • Seepage Projects to 2,500 cfs • Levee Stability to 2,500 cfs 	<ul style="list-style-type: none"> • Reach 4B • Mud and Salt Sloughs • Seepage Projects to 4,500 cfs • Levee Stability to 4,500 cfs 	<ul style="list-style-type: none"> • Ongoing Operations and Maintenance

Key Foundational Factors and Assumptions

- Around \$50 million per year maximum additional federal appropriations
- Full Restoration Flows before Phase 2 projects are initiated
- Everyone gets better together
 - NRDC, Flows and fish in the river
 - Friant, Progress on WMG commensurate with increases of flows
 - 3rd Parties, Avoidance of “take” under ESA
- Only specific 3rd Party protections are required to be in place before actions are taken



5-Year Vision

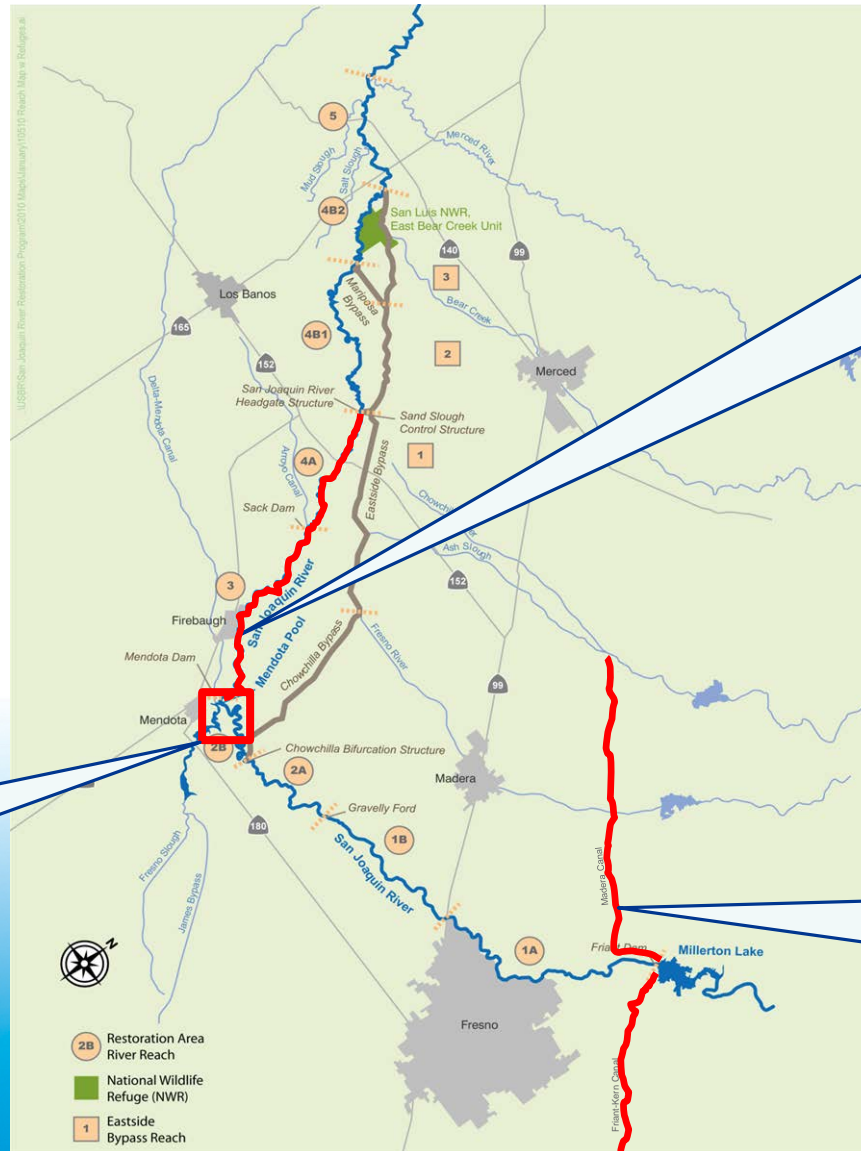


5 Year Vision: Connectivity (FY 2015 – 2019)

- Flow connectivity and fish passage, such that adult and juvenile salmon can complete migration without human assistance
- Continue to implement Water Management Actions to reduce or avoid supply impacts to Friant Division contractors

5 Year Vision: Connectivity (FY 2015 – 2019)

Key Elements



Seepage Projects and Levee Improvements to allow for flows up to 1,300 cfs

Mendota Pool Bypass Completed

Friant-Kern and Madera Canal Capacity Restoration



Flow Related Activities

- PEIS/R ROD Conservation Strategy and Mitigation Actions
- Seepage and Levee Stability to allow up to 1,300 cfs in Reach 2B



Channel and Structural Improvements

- Mendota Pool Bypass
 - Minimize trap and haul of fish
- Reach 4B, Eastside Bypass/Mariposa Bypass EIS/R and Report to Congress
 - Routing decision to determine bypass levee repairs
- Passage at Key Barriers
 - Minimize trap and haul of fish



Fish Reintroduction

- Construction & operation of Salmon Conservation and Research Facility
- Spring-run donor stock collection and tagging
- Trap and haul fish until Mendota Pool Bypass is completed
- Permit for use of wild stock



Water Management

- Continued Recapture and recirculation of Restoration Flows, RWA accounts
- Recapture and Recirculation Plan
- Recirculation EIS/R
- Friant-Kern and Madera Canal Capacity Restoration Projects
 - Construct ASAP to maximize funding value (costs not indexed)



10-Year Vision



10 Year Vision: Increased Capacity

(FY 2020 – 2024)

- SJR Restoration Fund available without further appropriation in FY 2020
 - Level of construction action increases with available funding
 - Make all major project decisions and award funds

10 Year Vision: Increased Capacity (FY 2020 – 2024)

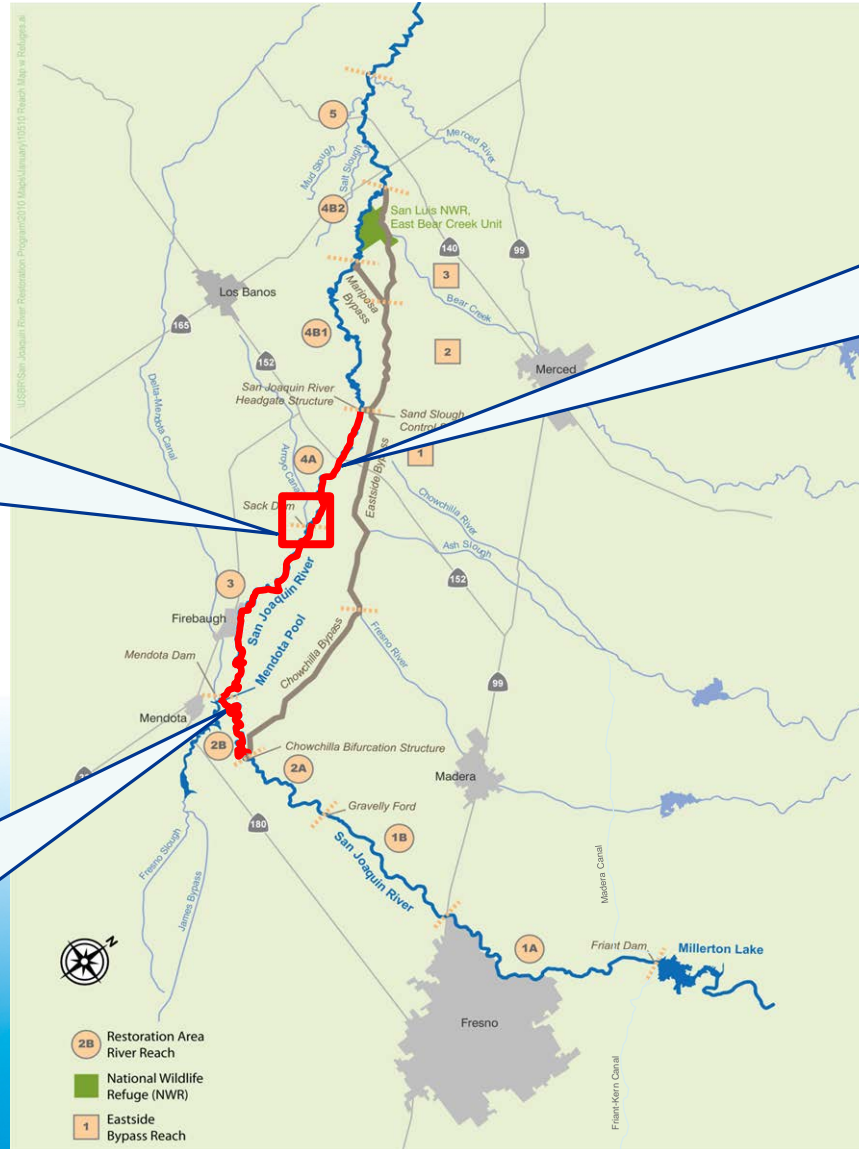
Key Elements

Arroyo Canal Fish Screen & Sack Dam Fish Passage Construction

Increase Reach 2B channel capacity to 4,500 cfs, levee construction

Seepage Projects and Levee Improvements to allow for flows up to 2,500 cfs

Continue implementing Water Management Goal





Flow Related Activities - 10 Year

- Conservation Strategy and Mitigation Actions from PEIS/R ROD
- Flow management and monitoring
- Seepage and Levee Stability
 - Can get flows to 2,500 cfs in all reaches
 - Better manage water temperatures and improve salmon survival



Channel and Structural Improvements - 10 Year

- 2B levee and channel improvements to 4,500 cfs
 - Relieves flow constraint in upper reaches
 - Full Spring pulses to Mendota Pool
- Land acquisition for Reach 4B, Eastside Bypass/Mariposa Bypass
 - Landowners likely prefer certainty of early land acquisition
- Construct Arroyo Canal Fish Screen/Sack Dam Fish Passage
 - Subsidence could further delay or increase costs
- Environmental Compliance for Salt and Mud Slough Seasonal Barriers



Fish Reintroduction - 10 Year

- Operation of Salmon Conservation and Research Facility
 - Spring-run donor stock collection and tagging
 - Prepare Report to Congress (Section 10011(d))
-
- Segregation Action Cost not included



Water Management Goal - 10 Year

- Water Management Goal Oversight
- Recapture and Recirculation Plan Implementation
- Award funding for Groundwater Banking facilities
- Any remaining actions on the Madera Canal Capacity Restoration Project



15-Year Vision



15 Year Vision: Conveyance

(FY 2025 – 2029)

- Increase capacity of all reaches to 4,500 cfs
- Reach 4B Project
- Continue to implement Water Management Actions to reduce or avoid supply impacts to Friant Division contractors

15 Year Vision: Conveyance (FY 2025 – 2029)

Key Elements

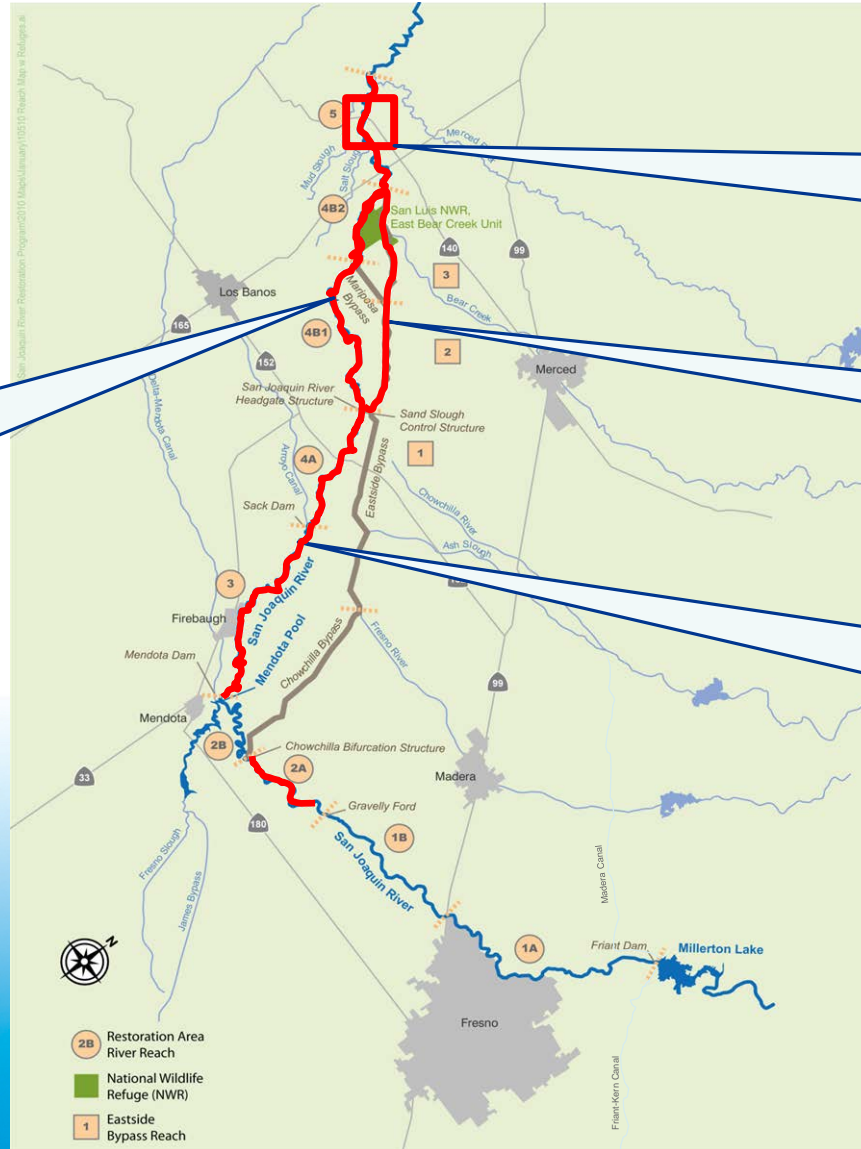
Reach 4B Channel and Structural Improvements

Continue implementing Water Management Goal

Salt and Mud Slough Seasonal Barrier Projects

Reach 4B/ESB High Flow Routing

Increased channel capacity to allow for flows up to 4,500 cfs





15+ Year Vision

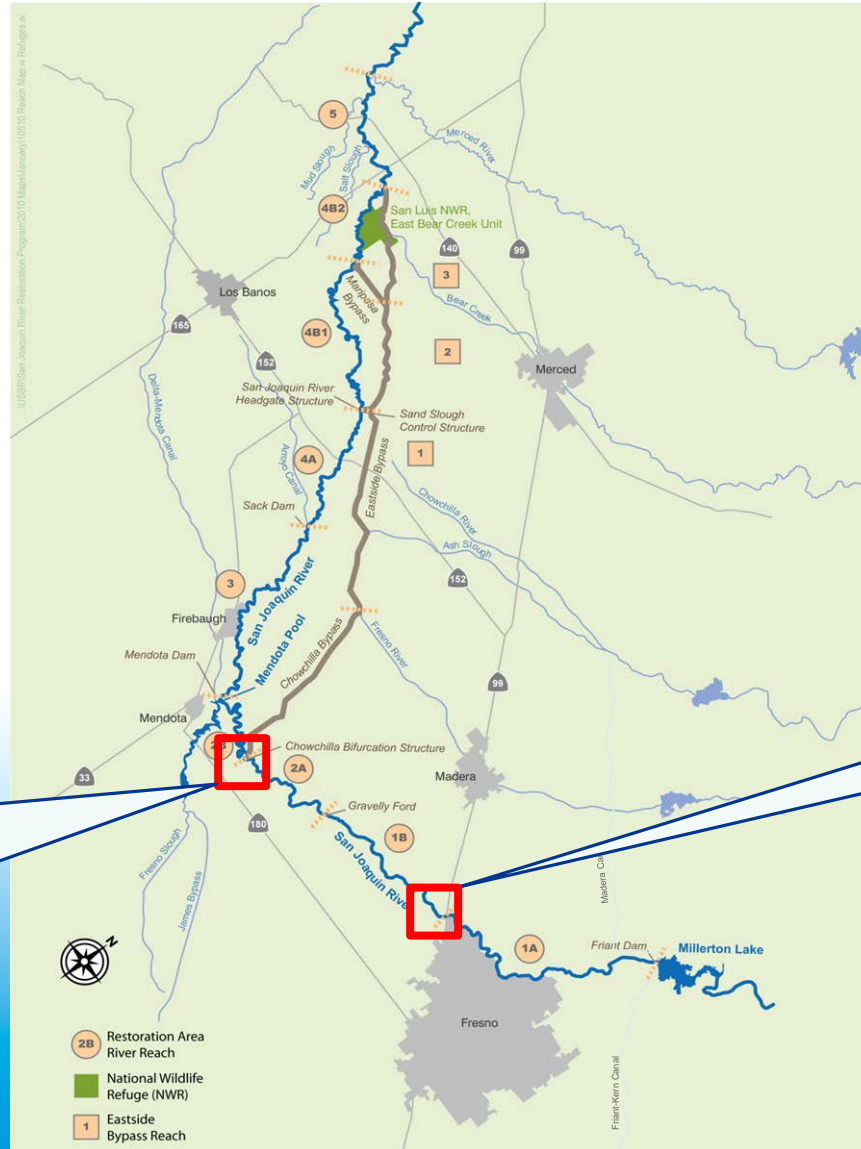


Beyond 15 Year Vision (FY 2030+) : Monitoring, Maintenance and Final Project work

- Complete remaining construction actions
 - all Paragraph 11(b) projects
 - all Paragraph 12 projects, if any recommended
- Monitor and maintain system for long-term
- Phase out hatchery production
 - Phase out hatchery production and population augmentation
 - Monitor self-sustaining, naturally reproducing populations
- Continue implementing Water Management Goal
 - Continue recapture and recirculation, tracking and allocating RWA water

Beyond 15 Year Vision (FY 2030+): Monitoring and Maintenance

Key Elements



Chowchilla Bifurcation Fish Passage Construction

Gravel Pit Filling and/or isolation



Costs and Funding Sources



Cost Summary

Action	2012 Framework (Various \$ Years)	2015 Revised (2015 \$)
Staffing and Administration	\$78	\$124 ¹
Flow Actions		
Conservation Strategy / Mitigation Measures	\$35	\$38
Flows	\$45	\$26 ²
Channel and Structural Improvements		
Mendota Pool Bypass and Reach 2B	\$312	\$336 ³
Reach 4B, Eastside Bypass and Mariposa Bypass	\$156	\$264 ⁴
Arroyo Canal Fish Screen and Sack Dam Fish Passage	\$25	\$29
Salt and Mud Slough Seasonal Barriers	\$14	\$6
Passage at Key Barriers	Part of 4B	\$6
Fish Reintroduction		
All Other Fish Reintroduction	\$27	\$12
Conservation Facility	\$21	\$26
Water Management Goal & Friant Division Improvements	\$100	\$96
Total	\$813	\$962
Seepage Projects	\$79	\$189 ⁵
Total "Core" Projects	\$892	\$1,150
Chowchilla Fish Passage	N/A	\$20
Gravel Pits Filling or Isolation	N/A	\$14
Miscellaneous	N/A	\$49
Total Settlement	\$892	\$1,232
Levee Stability	\$189	\$307 ⁶
Total	\$1,081	\$1,539



Key Changes in Costs

- Program extended 10 years – increased Admin costs
- Reach 4B costs increased
- Seepage and Levee Stability costs increased
 - About \$500M total
- Added in Paragraph 11(b) projects
- Costs now provided in 2015 dollars



Funding Needs and Sources

(FY 2015 to FY 2029, in thousands)	
Funding Needs Remaining	Funds in 2015 Dollars
Total Estimated Federal Funding Need	\$1,095,081
Total Estimated State Funding Need	\$137,277
Total Estimated State Funding Need with Levee Stability (non-SJRRP cost)	\$306,677
Funding Sources Remaining	
SJRR Fund ¹	\$356,730
CVP Restoration Fund (\$2,448 annual when indexed to 2015)	\$36,724
New Federal Appropriations (Part I)	\$268,953
New Federal Appropriations (Part III)	\$42,324
State Funding Remaining	\$140,198
Total Estimated Remaining Funding Sources	\$704,731
Anticipated Federal Deficit	\$390,350
Anticipated State Deficit	-\$2,921
Anticipated Non-SJRRP State Funding Needs	\$306,677
Anticipated State Deficit (if Levee Stability is a state SJRRP cost)	\$303,756
Note: 1. Includes estimated future Unreleased Restoration Flows sales, RWA sales, and Friant surcharge collections.	



QUESTIONS?



Restoration Flows Guidelines



Restoration Flow Guidelines 2.0

- Procurement Request in progress for Contractor assistance with updating RFGs and other Water Management Goal support
- Outstanding Issues:
 - Forecasting Restoration Flows, including tools for mitigating uncertainty.
 - Gravelly Ford, minimum compliance point or flow target.
 - Managing flood management releases to best meet riparian recruitment needs.



Unreleased Restoration Flows (URFs)

5 year URFs Agreements Preliminary Schedule:

- Technical meetings: July/August 2015
- Develop Draft Agreements: August 2015
- Public Notice (if required): August 2015
- Negotiations: August/September 2015
- Final Agreement: October 2015
- NEPA compliance (if needed): August - November 2015
- Public Comment Period: October - December 2015
- Address comments; update Agreement: November/December 2015
- Execute Agreements: mid-January 2016
- Court Confirmation (if needed): January/February 2016
- Signed, sealed, delivered: February 28, 2016



Part III



Friant-Kern Canal Capacity Restoration

- Value Engineering Study – January 2015
- Re-evaluating options to:
 - Phase lining raise by check structure
 - Lower maximum design capacity
 - Target existing capacity bottlenecks
- Revising Schedule



Madera Canal Capacity Restoration

- Low-Flow Bypass Valve Project:
VE Study June 1-5, 2015
- Feasibility Study:
 - focus on off-canal alternatives proposed by Chowchilla WD and Madera ID
 - Alternatives Analysis TM and Stakeholder Meeting, May 27, 2015

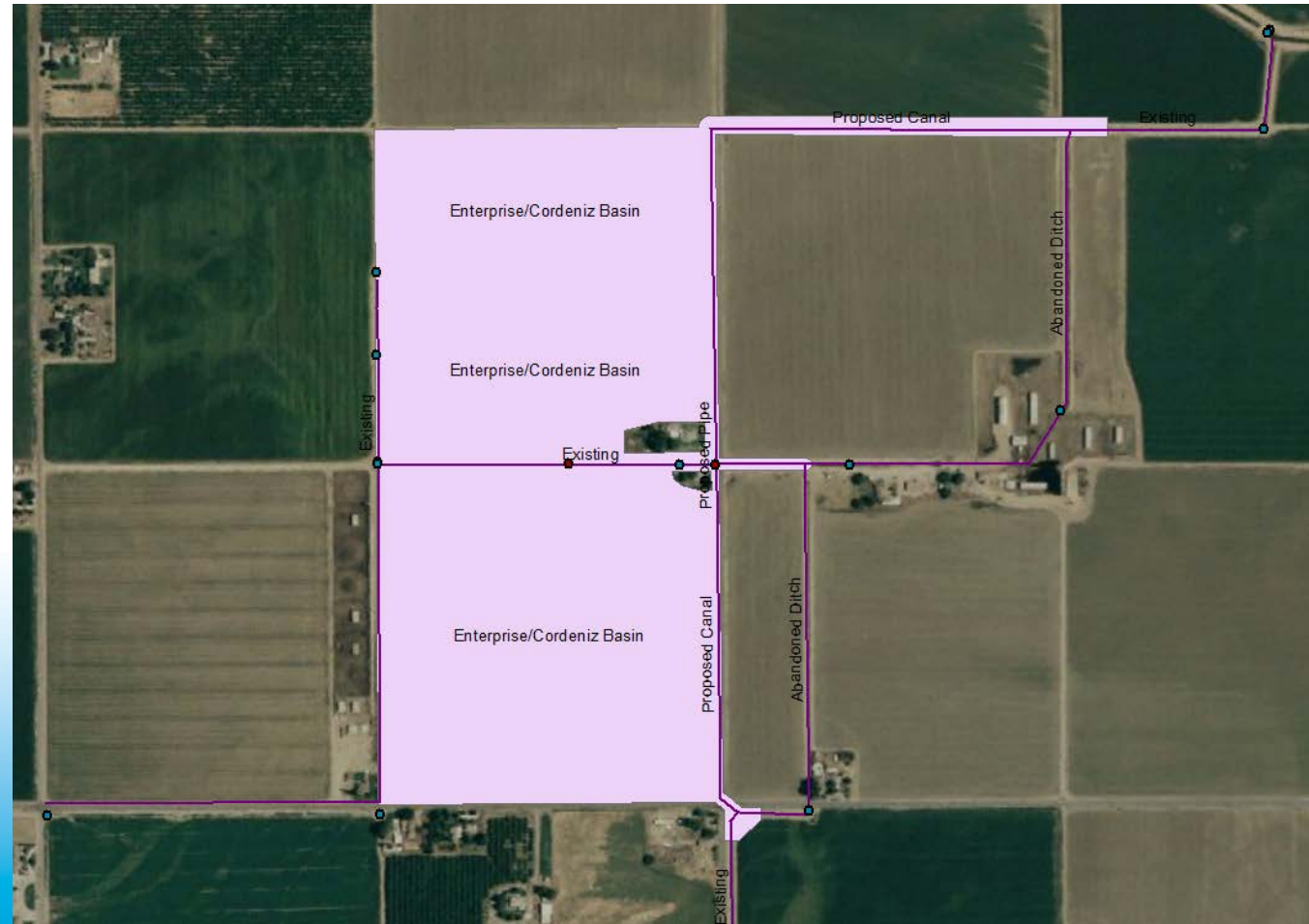


Friant-Kern Canal Reverse Flow Pump-Back Project

- Red Bluff pumps and motors purchased and transported to FWA storage facility
- \$2.38M in drought funding announced in February 2015
- Concerns about water quality have delayed commitment of funds

Tulare ID- Cordeniz Basin Construction & Exchange Program

- 60 acre basin
- Modifying Grant Scope
- Environmental Compliance complete Fall 2015
- Construction complete December 2016





Groundwater Financial Assistance

Pixley ID- Joint Groundwater Bank

- 560 acre bank with 4.5 mile pipeline to new FKC turnout
- Revising schedule

Porterville ID- In-Lieu Project

- Area #1: 1000 acres connected to Wood-Central Ditch
- Area #2: 650 acres connected to FKC
- Revising schedule

Shafter-Wasco ID- Madera Avenue Intertie

- Project modification proposed



Next Meetings



Next Meetings

Day	Date	Location
Friday	August 21, 2015	Visalia