Sites

BUREAU OF RECLAMATION

NOTICE OF AVAILABILITY AND PUBLIC MEETINGS FOR THE SITES RESERVOIR PROJECT

REVISED DRAFT ENVIRONMENTAL IMPACT REPORT/ SUPPLEMENTAL DRAFT ENVIRONMENTAL IMPACT STATEMENT

State Lead Agency Pursuant to the California Environmental Quality Act (CEQA): Sites Project Authority

Federal Lead Agency Pursuant to the National Environmental Policy Act (NEPA): U.S. Department of the Interior, Bureau of Reclamation

Location: Tehama, Glenn, Colusa, and Yolo Counties, California

The Sites Project Authority (Authority) and the U.S. Department of the Interior, Bureau of Reclamation (Reclamation) have prepared a joint Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) to evaluate the potential environmental impacts of the construction and operation of the Sites Reservoir Project (Project). In August 2017, the Authority and Reclamation jointly issued a Draft Environmental Impact Report/ Environmental Impact Statement (2017 Draft EIR/EIS) for the Project. The RDEIR/ SDEIS includes a complete revision of the 2017 Draft EIR/EIS to reflect changes to the Project that have occurred since the issuance of the 2017 Draft EIR/EIS.

The Project would involve the construction and operation of an offstream surface water reservoir to provide direct and real benefits to instream flows, the Sacramento–San Joaquin Delta ecosystem, and water supply reliability. The Project would use existing infrastructure to divert unregulated and unappropriated flow from the Sacramento River at Red Bluff and Hamilton City and convey the water to a new offstream reservoir west of the community of Maxwell, California. New and existing facilities would move water into and out of the reservoir, with ultimate release back to the Sacramento River system via existing canals and a new pipeline located near Dunnigan, California. Water released from Sites Reservoir would be used to benefit local, State, and federal water use needs, including municipal, industrial, and agricultural public water agencies, anadromous fish species in the Sacramento River watershed, wildlife refuges and habitats, and the Yolo Bypass to help supply food for delta smelt. Construction of Sites Reservoir would necessitate construction of a bridge or bypass road to connect Maxwell with the community of Lodoga. Additional components also include the development of new recreation facilities at the reservoir. In addition to the no project/no action alternative, the RDEIR/SDEIS evaluates three action alternatives. Based on analysis in the RDEIR/ SDEIS, all action alternatives would result in some significant and unavoidable impacts/adverse or substantially adverse effects.

Public Review Period: The RDEIR/SDEIS will be available for a 60-day public review from Nov. 12, 2021 to Jan. 11, 2022.

Availability of the RDEIR/SDEIS: Copies are available for public review at the following locations:

1. Sites Project Authority, 122 Old Highway 99 West, Maxwell, CA 95955
2. Bureau of Reclamation, California-Great Basin Regional Office Library, 2800 Cottage Way, Sacramento, CA 95825
3. Maxwell Branch Library, 34 Oak Street Maxwell, CA 95955
4. Sacramento Public Library, Central Branch, 828 I Street, Sacramento, CA 95814
5. Colusa County Free Library, Main Branch, 738 Market Street, Colusa, CA 95932
6. Glenn County Public Library, Willows Branch, 201 N. Lassen Street, Willows, CA 95988
7. Tehama County Library, Red Bluff Branch, 645 Madison Street, Red Bluff, CA 96080
8. Yolo Branch Library, 37750 Sacramento Street, Yolo, CA 95697
9. Mary L. Stephens – Davis Branch Library, 315 E. 14th Street, Davis, CA 95616

The RDEIR/SDEIS is also accessible from the following websites:
https://sitesproject.org/environmental-review
https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024

Please contact the Authority at 530-438-2309 if you need additional assistance to review the RDEIR/SDEIS.

Comments: Please submit comments on the RDEIR/SDEIS to the Authority or Reclamation via email at **EIR-EIS-Comments@SitesProject.org** or via U.S. Mail, Sites Project Authority, P.O. Box 517, Maxwell, CA 95955, or U.S. Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825 by 5:00 p.m. PST on Jan. 11, 2022.

Meetings: Two virtual public meetings will be held to receive comments from individuals and organizations on the RDEIR/SDEIS. Information on accessing the virtual public meetings is available at **https://sitesproject.org/environmental-review**.

Wednesday, Dec. 15, 2021, 6:00 p.m. to 8:00 p.m. PST
Thursday, Dec. 16, 2021, 9:00 a.m. to 11:00 a.m. PST

Further Information: Please contact Alicia Forsythe, Sites Project Authority, at 530-438-2309 or Vanessa King, Bureau of Reclamation, at 916-978-5077.

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/1/2021 12:02:07 PM
To: Spranza, John [john.spranza@hdrinc.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]; Jim Lecky (jim.Lecky@icf.com) [jim.Lecky@icf.com]; Setka, Jose [jose.setka@ebmud.com]; 'Hendrick, Mike' [Mike.Hendrick@icf.com]; Leaf, Rob/SAC [Rob.Leaf@jacobs.com]; Tam, Lena [lena.tam@ebmud.com]; Workman, Michelle [michelle.workman@ebmud.com]; Bray, Benjamin [ben.bray@ebmud.com]; Tognolini, Michael [michael.tognolini@ebmud.com]; Angela Bezzone [bezzone@mbkengineers.com]; steve.micko@jacobs.com; Marc VanCamp [Vancamp@mbkengineers.com]; Darren Cordova [Cordova@mbkengineers.com]
Subject: RE: Sites Project Briefing for EBMUD
Attachments: 20211101_DRAFT_Sites_Mokelumne_fish_impacts.docx

Hi all – My apologies for the incredibly tardy follow up. The team had the information together a few weeks ago, and this just got buried down in the depths of my inbox. I had the following remaining action items from our discussion back in September:

1. Provide any analysis or information on changes, if any, of opening/closure of the Delta Cross Channel as a result of the Project.
2. Provide any analysis or information on changes that may result in increases / decreases in central Delta route entrainment.

Please see attached for information on both of these items. If there are any follow up items, we'd be happy to schedule a time with the ICF and/or Jacobs teams to discuss specifics.

Also, the attached references a few tables and appendices that will be provided in our upcoming Revised Draft EIR/Supplemental Draft EIS. We expect the document to be posted this Friday, November 5. But also happy to provide these tables and figures before then if that helps your review.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Alicia Forsythe
Sent: Wednesday, September 29, 2021 10:56 AM
To: Spranza, John <john.spranza@hdrinc.com>; Heydinger, Erin <erin.heydinger@hdrinc.com>; Jim Lecky (jim.Lecky@icf.com) <jim.Lecky@icf.com>; Setka, Jose <jose.setka@ebmud.com>; Hendrick, Mike <Mike.Hendrick@icf.com>; Angela Bezzone <bezzone@mbkengineers.com>; steve.micko@jacobs.com; Marc VanCamp <Vancamp@mbkengineers.com>; Darren Cordova <Cordova@mbkengineers.com>
Cc: Leaf, Rob/SAC <Rob.Leaf@jacobs.com>; Tam, Lena <lena.tam@ebmud.com>; Workman, Michelle <michelle.workman@ebmud.com>; Bray, Benjamin <ben.bray@ebmud.com>; Tognolini, Michael <michael.tognolini@ebmud.com>
Subject: RE: Sites Project Briefing for EBMUD

Hi all – Thank you for the great discussion last week and for your patience as it took me a few more days than anticipated to get the presentation out. Attached is our presentation from last week along with the list of current Sites members. Please feel free to reach out to us if you have any questions, additional thoughts or concerns.

We will work on our remaining action items and hope to have those to you next week.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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-----Original Appointment-----
From: Alicia Forsythe
Sent: Tuesday, September 14, 2021 3:06 PM
To: Alicia Forsythe; Spranza, John; Heydinger, Erin; Jim Lecky (jim.Lecky@icf.com); Setka, Jose; Hendrick, Mike; Angela Bezzone; steve.micko@jacobs.com; Marc VanCamp; Darren Cordova
Cc: Leaf, Rob/SAC; Tam, Lena; Workman, Michelle; Bray, Benjamin; Tognolini, Michael
Subject: Sites Project Briefing for EBMUD
When: Friday, September 24, 2021 9:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Agenda will follow as we get closer to the meeting.

Microsoft Teams meeting

Join on your computer or mobile app
Click here to join the meeting

Or call in (audio only)
+1 916-538-7066,,330000561# United States, Sacramento
Phone Conference ID: 330 000 561#
Find a local number | Reset PIN

Learn More | Meeting options

Sites

BUREAU OF RECLAMATION

Sites Reservoir Project

Community Guide to the Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS)

Introduction

In accordance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA), the Sites Project Authority (Authority) and U.S. Bureau of Reclamation (Reclamation) have prepared an RDEIR/SDEIS to analyze the potential environmental impacts of construction and operation of the Sites Reservoir Project (Proposed Project).

The Authority would construct an offstream reservoir to capture excess water from major storms and store the water until it is most needed during dry periods. These saved water supplies would be used for the environment, people, and farms. Existing water storage facilities were designed to capture snowmelt, but precipitation in present-day California occurs more commonly in the form of rain. This trend is likely to continue in climate change conditions. The state's demand for water to serve communities, fuel the economy, and revitalize the environment has increased far beyond what the existing water storage system was designed to support. The Proposed Project is one tool in a toolbox of actions to assist the state in achieving the goals of water supply reliability for all users (including the environment) and adaptation to a changing climate.

The RDEIR/SDEIS reflects a complete revision of the Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) released in 2017 to reflect changes to the Proposed Project that have occurred since the 2017 Draft EIR/EIS. The Authority and Reclamation considered all public comments received on the 2017 Draft EIR/EIS in developing the refined alternatives and environmental impact analyses presented in the RDEIR/SDEIS.

The RDEIR/SDEIS contains a large volume of information and complex analyses. This community guide is intended to provide an overview of key elements of the environmental analysis provided in the RDEIR/SDEIS.

The 2017 Draft EIR/EIS evaluated four surface water reservoir size and conveyance alternatives. Each alternative included a reservoir to be filled using existing Sacramento River diversion facilities and the Delevan Pipeline on the Sacramento River to allow for release of flows into the river. In October 2019, the Authority initiated a value planning process to identify and evaluate additional alternatives that could make the Proposed Project more affordable for the Sites Storage Partners while also addressing comments received on the 2017 Draft EIR/EIS. Value planning process objectives included: (1) improving water supply and water supply reliability; (2) providing incremental Level 4 water supply for refuges; (3) improving the survival of anadromous fish; and (4) enhancing the Sacramento–San Joaquin Delta (Delta) ecosystem. Secondary objectives of the value planning process were to provide opportunities for flood damage reduction and recreation.

(continued on next page)

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The value planning process resulted in three new alternatives, which include reservoir sizes from 1.3 to 1.5 million acre-feet and focus on using existing facilities to the extent practical for diversions to and releases from the reservoir. The RDEIR/SDEIS evaluates the potential environmental effects of these three new action alternatives, as well as a No Action or No Project Alternative.

Some key differences in the facilities and operational characteristics between the action alternatives evaluated in this RDEIR/SDEIS (Alternatives 1, 2, and 3) and the action alternatives evaluated in the 2017 Draft EIR/EIS include, but are not limited to:

- **Elimination of the Delevan Facility on the Sacramento River and conveyance pipeline**
- **Elimination of Holthouse Reservoir and existing transmission line realignments**
- **Elimination of dedicated pump/generation hydropower facilities**
- **Fewer saddle dams**
- **New conveyance facilities**
- **New flow operations**

Additional information about the differences between the alternatives can be found in Appendix 2B, *Additional Alternatives Screening and Evaluation.*

Primary Characteristics of Proposed Project Alternatives

Project Element	Alternative 1	Alternative 2	Alternative 3
Reservoir Size	1.5 million acre-feet (MAF)	1.3 MAF	Same as Alternative 1
Inundation Area	13,200 acres	12,600 acres	Same as Alternative 1
Dams (scaled to the size of the reservoir)	Golden Gate and Sites Dams; 7 saddle dams; 2 saddle dikes	Golden Gate and Sites Dams; 4 saddle dams; 3 saddle dikes	Same as Alternative 1
Route Connecting East and West Sides of Reservoir	Permanent bridge crossing the reservoir	Paved roadway along south side of reservoir	Same as Alternative 1
Regulating Reservoirs	Funks Reservoir Terminal Regulating Reservoir (TRR) East	Funks Reservoir TRR West	Same as Alternative 1
Conveyance Releases	Releases 1,000 cubic feet per second (cfs) into new Dunnigan Pipeline discharging into the Colusa Basin Drain (CBD)	Releases of up to 1,000 cfs into new Dunnigan Pipeline discharging into the Sacramento River with an average of 300 cfs partial discharge into the CBD	Same as Alternative 1
Releases into Funks Creek and Stone Corral Creek	Specific flow criteria to maintain flows to protect downstream water right holders and ecological function	Same as Alternative 1	Same as Alternative 1
Bureau of Reclamation Involvement	Two options: Operational exchanges[1] only (Alternative 1A); or Funding partner (up to 7% investment) with operational exchanges[1] (Alternative 1B)	Operational exchanges[1] only	Funding partner (up to 25% investment) with operational exchanges[1]
California Department of Water Resources Involvement	Operational exchanges with Oroville and use of State Water Project facilities South-of-Delta	Same as Alternative 1 (volumes may vary, however)	Similar to Alternative 1 (volumes may vary, however)

[1] Operational exchanges could include within-year exchanges and real-time exchanges.

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Contents of the RDEIR/SDEIS

The central topic of the RDEIR/SDEIS is the analysis of the potential impacts the Proposed Project may have on specific environmental resource areas and the mitigation measures that could reduce those potentially significant impacts. This analysis, which is presented in Chapters 5 through 30 of the RDEIR/SDEIS, includes a description of the existing environmental setting, methods of analysis, discussion of the impact findings, and discussion of the mitigation measures.

There are several additional discussions in the RDEIR/SDEIS that are important to providing a full description of the Proposed Project and its potential impacts. These discussions include:

- **Project Description and Alternatives, Chapter 2:** detailed discussion of the Proposed Project and alternatives analyzed, including objectives/purpose and need, location, components, construction, and operations and maintenance.
- **Environmental Analysis, Chapter 3:** terminology, organization, and approach to environmental impact analysis.
- **Regulatory Compliance, Chapter 4:** overview of applicable regulations, as well as the federal, state, and local approvals needed.
- **Cumulative Impacts, Chapter 31:** Proposed Project impacts (large or small) which, when combined with impacts of other closely related past, present, or reasonably foreseeable future projects, contribute substantially to a collectively significant impact.
- **Other Required Analyses, Chapter 32:** additional environmental analyses required under CEQA and NEPA.

Additional appendices, figures, and tables included in the RDEIR/SDEIS are designed to help support the analysis.

Summary of Potential Environmental Impacts and Mitigation Measures

The RDEIR/SDEIS includes an analysis of the Proposed Project's potential impacts on a range of environmental resource areas. A summary of the potential impacts requiring mitigation as well as the potentially significant and unavoidable impacts for select resource areas are listed on the next page. No mitigation measures are needed or proposed when an impact is determined to be beneficial or less than significant.

The full list of environmental resource areas can be found in the Executive Summary (Table ES-2) of the RDEIR/SDEIS.

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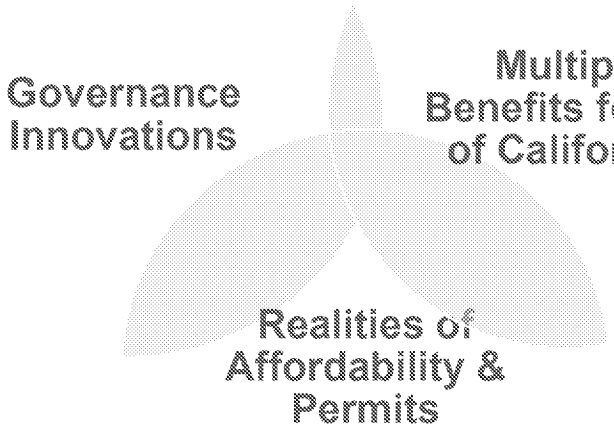
Commenting on the RDEIR/SDEIS

Comments must be limited to this RDEIR/SDEIS and should not include comments on the 2017 Draft EIR/EIS. Although the 2017 Draft EIR/EIS is part of the Administrative Record, prior comments submitted on the 2017 Draft EIR/EIS do not require a response under CEQA. Reclamation will respond to comments submitted on the 2017 Draft EIR/EIS and this RDEIR/SDEIS in the Final EIR/EIS under NEPA.

Resource Area (Chapter Number)	Impacts Requiring Mitigation	Significant and Unavoidable Impacts
Surface Water Resources (5)	None	None
Surface Water Quality (6)	All Alternatives – Implement mercury and methylmercury control and reduction measures; evaluate metal concentrations and effects in Stone Corral Creek; evaluate metal and pesticide concentrations and effects in Yolo Bypass	All Alternatives – Increased methylmercury concentrations downstream of Sites Reservoir
Groundwater Resources (8)	None	None
Vegetation and Wetland Resources (9)	All Alternatives – Construction effects on special-status plant species, wetlands, and potential conflicts with Habitat Conservation Plan/ Natural Community Conservation Plan; operational effects on special status plant species, riparian habitat or other sensitive natural community, and wetlands	All Alternatives – Construction related effects to oak woodlands, primarily in the reservoir inundation area
Wildlife Resources (10)	All Alternatives – Construction related effects to oak woodlands, primarily in the reservoir inundation area	All Alternatives – Interference with movement of native or migratory wildlife species or with established wildlife corridors
Aquatic Biological Resources (11)	All Alternatives – Tidal habitat restoration to address operations effects on Longfin Smelt	None
Geology and Soils (12)	All Alternatives – Construction effects on paleontological resources	Alternatives 1 & 3 – Paleontological resource impacts due to construction method for Terminal Regulating Reservoir East
Land Use (14)	No feasible mitigation identified	Alternative 2 – South Road physically divides Lodoga and Maxwell
Agriculture and Forestry Resources (15)	All Alternatives – Conversion of farmlands and Williamson Act lands	All Alternatives – Permanent conversion of farmland and Williamson Act Lands
Navigation, Transportation, and Traffic (18)	No feasible mitigation identified	Alternative 2 – South Road (no bridge) will add substantial travel time for school bus travel to Lodoga (from 30 to 50 minutes)
Air Quality (20)	All Alternatives – Increase in criteria pollutant for which region is nonattainment during construction; recreational boat emissions during operations	All Alternatives – Increase in criteria pollutant for which region is nonattainment during construction
Cultural Resources (22)	All Alternatives – Impacts to historic/archaeological resources that will be addressed through implementation of Cultural Resources Management Plan	All Alternatives – Permanent loss of historic and archaeological resources due to inundation and wave action
Tribal Cultural Resources (23)	All Alternatives – To the extent feasible, implement mitigation measures recommended in Public Resources Code Section 21084.3 to avoid damaging effects on Tribal Cultural Resources	All Alternatives – Assumed presence of Tribal Cultural Resources in the inundation area and permanent loss of those resources due to inundation
~~Climate Change (28)~~	~~[To be inserted]~~	~~[To be inserted]~~

Sites Reservoir
Sites

Key Presentation Take-Aways



Sites

Our Strength is in Our Broad Statewide Participation

Sacramento Valley

Carter Mutual Water Company
City of American Canyon
Colusa County
Colusa County Water Agency
Cortina Water District
Davis Water District
Dunnigan Water District
Glenn County
Glenn-Colusa Irrigation District
LaGrande Water District
Placer County Water Agency
Reclamation District 108
City of Roseville
Sacramento County Water Agency
City of Sacramento
Tehama-Colusa Canal Authority
Westside Water District
Western Canal Water District

Bay Area

Santa Clara Valley Water District
Zone 7 Water Agency

San Joaquin Valley

Wheeler Ridge-Maricopa Water Storage District
Rosedale-Rio Bravo Water Storage District

Southern California

Antelope Valley - East Kern Water Agency
Coachella Valley Water District
Desert Water Agency
Irvine Ranch Water District
Metropolitan Water District
San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency
Santa Clarita Valley Water Agency

Sites

Affordable, Permittable, Buildable

Sites underwent a rigorous value planning effort that resulted in a "right-sized" project. The Sites Reservoir of today:

- Has a smaller footprint than the previous iteration
- Meets the water supply needs of current participants
- Comes at a lower cost
- Supports State's environmental goals
- Creates flexibility for participants
- Performs under most challenging climate change scenarios

The right-sized project cuts roughly $2 billion from the original proposal.

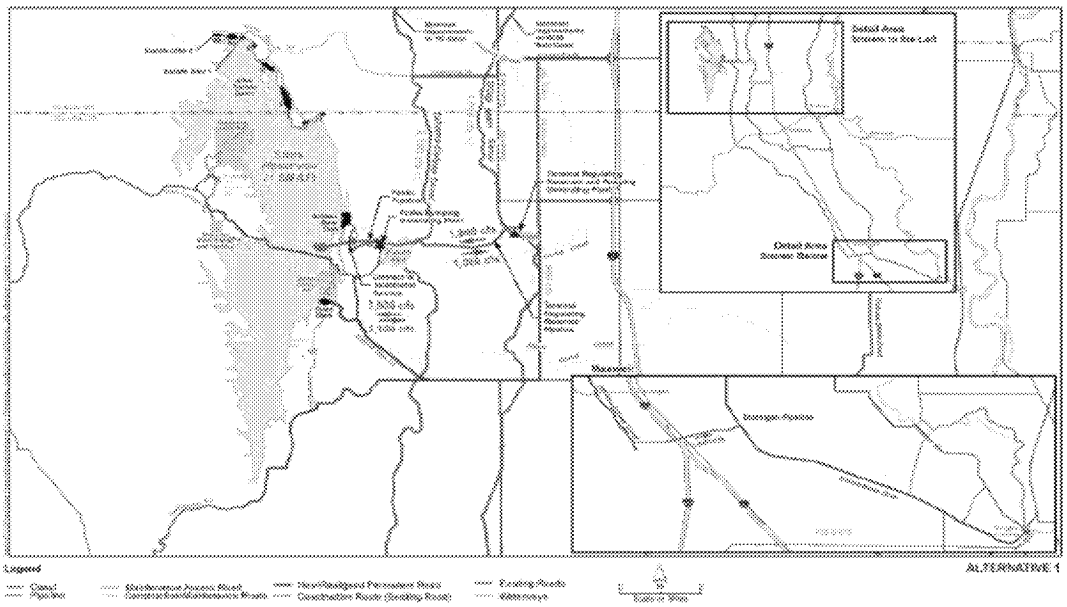
Sites is now more affordable, permittable, and buildable.

Sites

The Sites Reservoir is uniquely situated

Sites

The “rightsized” project optimize use of existing conveyance infrastructure



Sites

JP has map

Sites Reservoir Provides Climate Change Resiliency

How does Sites Reservoir address these challenges?

- Captures excess flows in the Sacramento River – rain instead of snowmelt
- Off-stream storage and state of the art fish screens protect the river system environment
- Adds 1.5 million acre-feet of storage space providing water mgmt. flexibility
- Provides new, affordable water for people, farms and environment during the more frequent dry spells California will experience
- Allows other reservoirs, like Shasta Oroville and Folsom, to optimize cold water during dry periods for environmental purposes

Project performance is modeled to improve by approximately 5%-10% under anticipated climate change conditions

Sites

Provides a Dry Year Water Supply for all of California

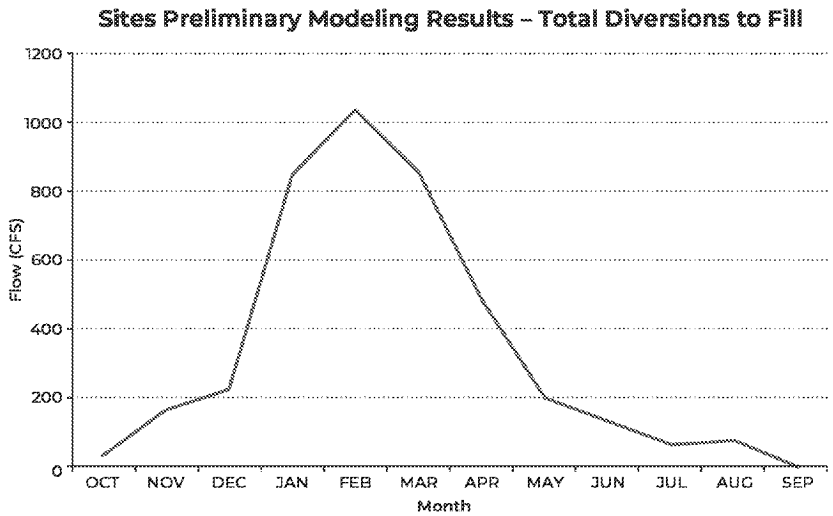
SITES PROJECT NEW WATER SUPPLY

Year Type	Water Supply (thousand acre-feet)
Wet	80-90
Above Normal	92-282
Below Normal	190-296
Dry	398-429
Critically Dry	308-348
Long-Term Average	207-260

If we had Sites Reservoir in this 2021 drought year we estimate we would have nearly 1MAF of additional water for California's farms, cities and the environment.

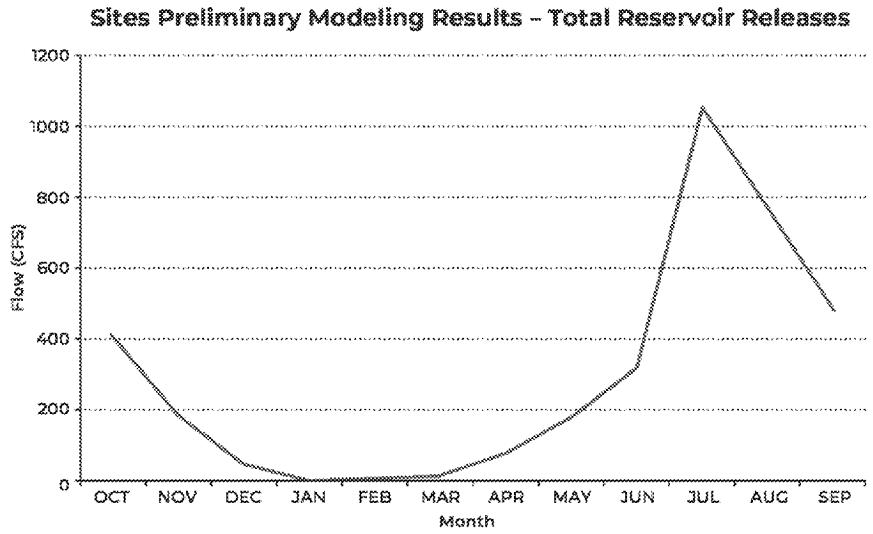
Sites

Sites Captures and Stores Stormwater



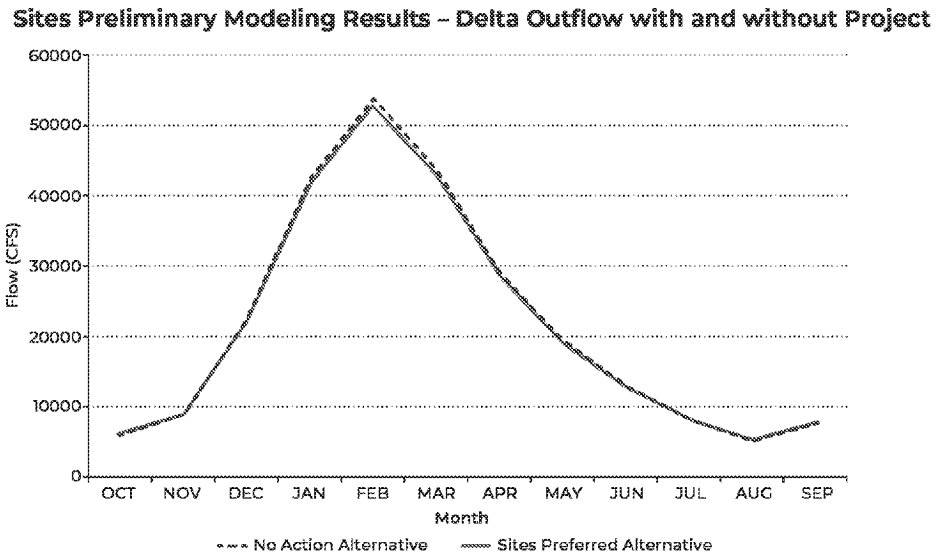
Sites

Sites Releases During Drier Periods



Sites

Sites Converts Uncaptured Flow Into Dry Year Supplies – a higher and better use that maximizes productivity



Sites

State Public Benefits in Sites funded by Prop 1

Total 2018 MCED: $816M (Rank 3)

Environmental (~67%)

Refuge Supplies - Provide a reliable supply of refuge water to improve Pacific Flyway habitat for migratory birds and other native species

Yolo Bypass - Provide water dedicated to help improve conditions for the Delta Smelt

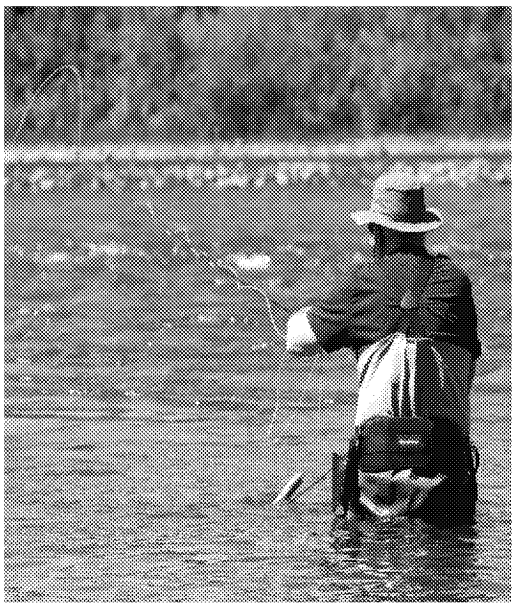
Other Possibilities (not currently included) -

Preserve cold-water for use later in the summer months to support salmon development, spawning and rearing

Environmental Water Manager concept to flexibly manage the State's asset for optimal environmental results

Recreation (~23%)

Flood Control (~ 5%)



Sites

Sites RDEIR/SDEIS Project Alternatives

Facilities / Operations	Alternative 1	Alternative 2	Alternative 3
Reservoir Size	1.5 MAF	1.3 MAF	1.5 MAF
Hydropower	Incidental upon release	Same as Alt 1	Same as Alt 1
Diversion Locations	Red Bluff Pumping Plant and Hamilton City	Same as Alt 1	Same as Alt 1
Conveyance Release / Dunnigan Release	1,000 cubic feet per second (cfs) into new Dunnigan Pipeline to Colusa Basin Drain	1,000 cfs into new Dunnigan Pipeline to Sacramento River. Partial release into the Colusa Basin Drain	Same as Alt 1
Reclamation Involvement	**1. Funding Partner 2. Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges**	**Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges**	**Same as Alt 1, but up to 25% investment**
DWR Involvement	Operational Exchanges with Oroville and use of SWP facilities South-of-Delta	Same as Alt 1	Same as Alt 1
Route to West Side of Reservoir	Bridge across reservoir	Paved road around southern end of reservoir	Same as Alt 1

Ali has slide to send.

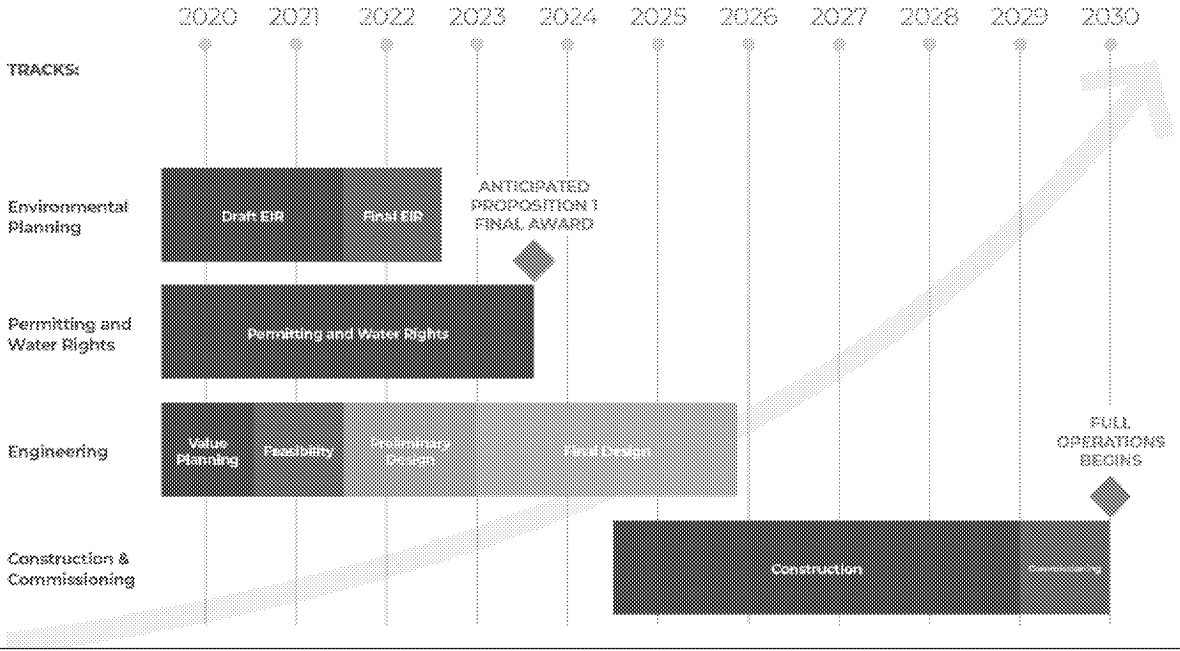
Sites has to be Affordable, Permittable and Buildable

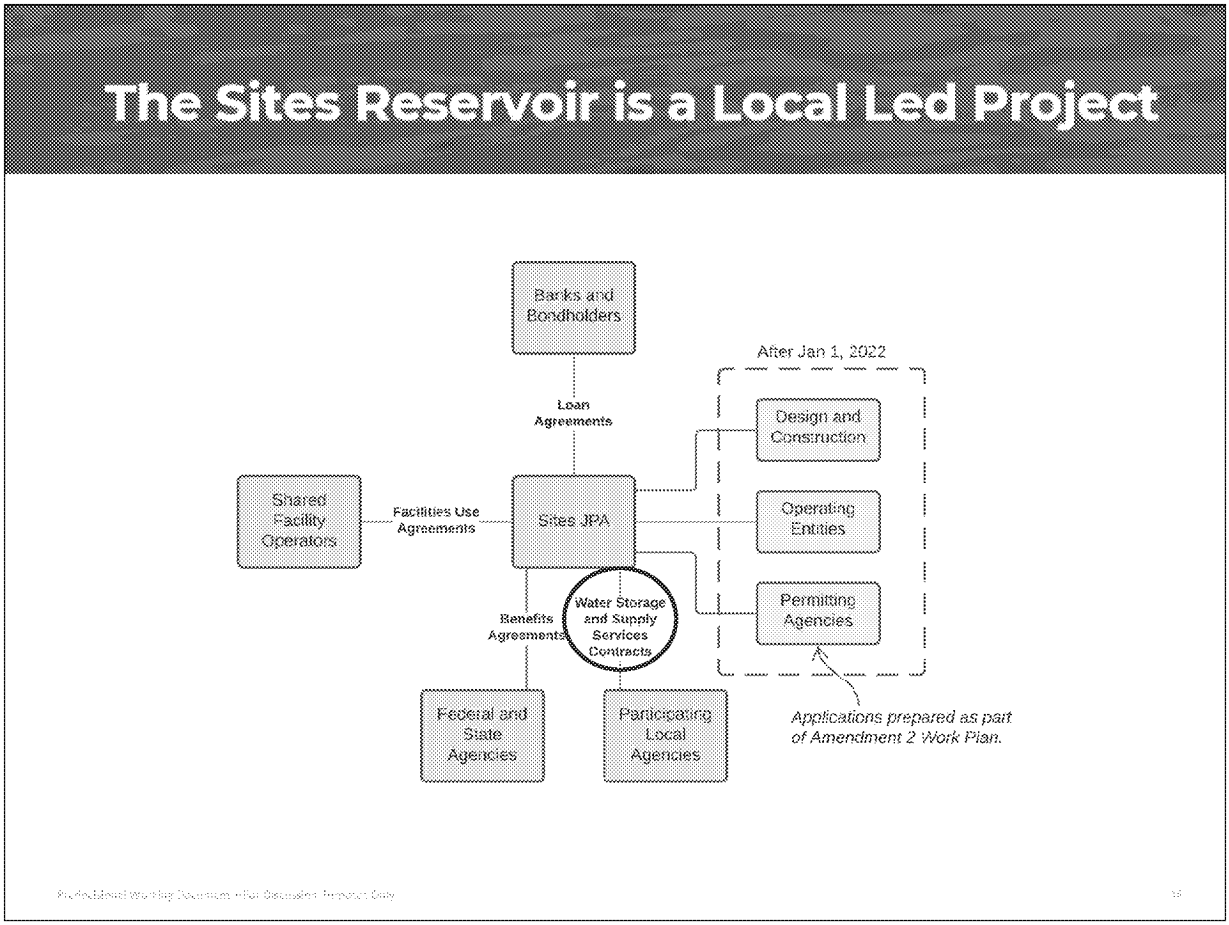
Reservoir Size (MAF)	Alternative 1 (1.5MAF)
Total Project Cost (2021$, billions)	~$3.9B
Annualized AF/year release (AFY)	~230,000
Estimated Unit Costs During Repayment Without WIFIA Loans (2021$, $/AF)	~$800
Estimated Unit Costs During Repayment With WIFIA Loans (2021$, $/AF)	~$700

Sites

Looking Ahead

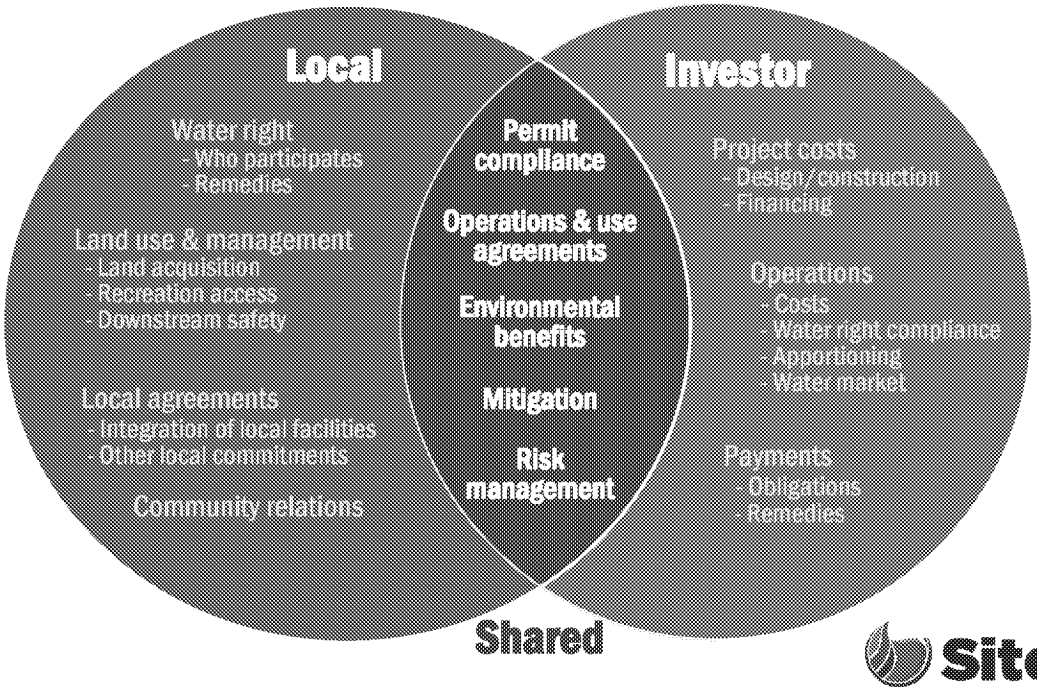
Sites Reservoir Project Schedule





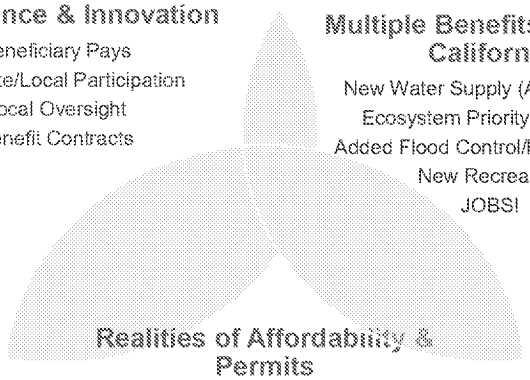
For today we are shifting from thinking of the project as a set of facilities and an operations model to a partnership stitched together by agreements. All of our work today shapes the formation of the agreement between the Sites JPA and the Participants. We acknowledge there are many other agreements, such as permits, which are being advanced currently, but today we are focused on the agreement that forms this team for the long haul.

Governance Interests



Sites

Summary Of Take-Aways



Governance & Innovation

Beneficiary Pays
Fed/State/Local Participation
Local Oversight
Benefit Contracts

Multiple Benefits for all of California

New Water Supply (Ag & Urban)
Ecosystem Priority Flexibility
Added Flood Control/Public Safety
New Recreation
JOBS!

Realities of Affordability & Permits

Competitive unit cost of water
Protective conditions for species
Net benefits for the environment
Use of existing facilities
Integrated Operations

Sites

Questions
Sites

Sites Project Authority & Participants

Sacramento Valley

Authority Board (11 agencies)

Colusa County	4.5%
Colusa County Water District	4.6%
Glenn County	
Glenn-Colusa Irrigation District	2.2%
Placer County WA & City of Roseville	
Reclamation District 108	1.8%
Sacramento Co WA & City of Sacramento	
Tehama-Colusa Canal Authority	
Westside Water District	2.4%

Associate Members (6 non-voting)

Western Canal Water District	
Tehama-Colusa Four	
Cortina Water District	0.2%
Davis Water District	0.9%
Dunnigan Water District	1.3%.
LaGrande Water District	0.4%

Other (2 non-voting)

US Bureau of Reclamation (Cost-share)	7%
California Department of Water Resources (Ex Officio)	18%

Sacramento Valley

Reservoir Committee

American Canyon, City of	1.8%
Carter MWC	0.1%

Beyond the Sacramento Valley

Reservoir Committee

Antelope Valley-East Kern WA	0.2%
Coachella Valley Water District	4.5%
Desert Water Agency	2.9%
Metropolitan Water District	22.5%
Irvine Ranch Water District	0.4%
Rosedale Rio Bravo WSD	0.2%
San Bernardino Valley Muni WD	9.6%
San Gorgonio Pass Water Agency	6.3%
Santa Clara Valley Water District	0.2%
Santa Clarita Valley Water Agency	2.2%
Wheeler Ridge-Maricopa WSD	1.4%
Zone 7 Water Agency	4.5%

Local Water Agencies:

Reservoir Comm members: (Participants) **23**

Working Draft dated 2018 Mar 21

Dual governance

How many are participating at conference (e.g. UWI = 5)

Working Draft, Subject to Change

Sites Project Overview

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/3/2021 5:07:24 PM
To: Micko, Steve/SAC [Steve.Micko@jacobs.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]
CC: Leaf, Rob/SAC [Rob.Leaf@jacobs.com]; Thayer, Reed/SAC [Reed.Thayer@jacobs.com]
Subject: RE: Sites - More Quick CALSIM Model Runs If Possible

This is fantastic! Thank you Reed and team!!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Micko, Steve/SAC <Steve.Micko@jacobs.com>
Sent: Wednesday, November 3, 2021 4:57 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Heydinger, Erin <erin.heydinger@hdrinc.com>
Cc: Leaf, Rob/SAC <Rob.Leaf@jacobs.com>; Thayer, Reed/SAC <Reed.Thayer@jacobs.com>
Subject: RE: Sites - More Quick CALSIM Model Runs If Possible

Hi Ali,

Reed made quick work of the runs!
High-level results are tabulated below.

Let us know if you have any questions.

Best,
Steve

Name	Alt 1B (Admin Draft EIR)	Study 15	Study 16	Study 17	Study 18
Wilkins Slough	8,000 Apr/May 5,000 all other	10,700 Oct-May 5,000 all other	10,700 Oct-Jun 5,000 all other	10,700 Dec-May 5,000 all other	10,700 Dec-Jun 5,000 all other
Fremont Weir Notch Protections	Y	N	N	N	N
Pulse Flow Protection	Y	Y	Y	Y	Y
Releases (TAF)	234	215	212	219	217

Diversions (TAF)	255	235	232	240	237
Dry & Critical Diversions (TAF)	104	76	76	82	82

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Monday, November 1, 2021 11:02 AM
To: Micko, Steve/SAC <Steve.Micko@jacobs.com>; Heydinger, Erin <erin.heydinger@hdrinc.com>
Subject: [EXTERNAL] Sites - More Quick CALSIM Model Runs If Possible
Importance: High

Hi Steve – I have another request for some quick CALSIM model runs in support of our discussions. Can you run the following:

1. 10,700 cfs Wilkins Slough Oct-May, pulse protection included, NO Fremont Weir Notch Protection
2. 10,700 cfs Wilkins Slough Oct-June, pulse protection included, NO Fremont Weir Notch Protection
3. 10,700 cfs Wilkins Slough Dec-May, pulse protection included, NO Fremont Weir Notch Protection
4. 10,700 cfs Wilkins Slough Dec-June, pulse protection included, NO Fremont Weir Notch Protection

Pulse protection should be for the entire time of diversions (Sept to June) for all of these.

I am sorry to ask this, but if possible, I could use these by Thursday COB. If not, let me know and we can adjust.

I realize the differences between these are minor, but I think we are honing in on things here so would like to see each of these.

Ali

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From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/3/2021 5:09:51 PM
To: Jerry Brown [jbrown@sitesproject.org]
Subject: FW: Sites - More Quick CALSIM Model Runs If Possible

See below. We can discuss on our one-on-one call on Friday.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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Cc: Leaf, Rob/SAC <Rob.Leaf@jacobs.com>; Thayer, Reed/SAC <Reed.Thayer@jacobs.com>
Subject: RE: Sites - More Quick CALSIM Model Runs If Possible

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From: King, Vanessa M [vking@usbr.gov]
Sent: 11/4/2021 12:50:26 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]; Hunt, Shane D [shunt@usbr.gov]
CC: Spranza, John [john.spranza@hdrinc.com]; Jelica Arsenijevic (Jelica.Arsenijevic@hdrinc.com) [Jelica.Arsenijevic@hdrinc.com]
Subject: Re: [EXTERNAL] Sites - BA Discussions

Hi Ali,

After our internal meeting yesterday, we'd like to wait on having a management-level meeting until after a draft model has been completed and we've had the opportunity to confirm the expected environmental benefits.

On the technical meeting(s), please include Shane, Melissa, David Brick, and myself on an initial small-group meeting. We're all available on Monday (11/8) from 8:30-9:30, 10:30-11:30, and 12-3. Availability the rest of next week is pretty limited, but feel free to send out a doodle poll if none of those times work.

We expect to need additional meetings to work out some of the issues outlined in your initial email, which may need to include our modelers, biologists, CDFW, the Services, etc. I would suggest that the initial meeting be focused on what's been done to date, the review/coordination process, and what additional discussions are needed.

Thanks,

Vanessa

Vanessa King
Hydrologist and Interim Project Manager for Sites Reservoir Project
Bureau of Reclamation, Interior Region 10 · California-Great Basin, Division of Planning
Office: 916-978-5077

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Monday, November 1, 2021 3:02 PM
To: King, Vanessa M <vking@usbr.gov>; Hunt, Shane D <shunt@usbr.gov>
Cc: Spranza, John <john.spranza@hdrinc.com>; Jelica Arsenijevic (Jelica.Arsenijevic@hdrinc.com) <Jelica.Arsenijevic@hdrinc.com>
Subject: RE: [EXTERNAL] Sites - BA Discussions

Vanessa – This sounds good to me. Thanks for the suggestion on how to structure this.

It would be great to get a list of who to invite for each meeting and I will get doodle polls out for these.

Apologies for the late response.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: King, Vanessa M <vking@usbr.gov>
Sent: Wednesday, October 27, 2021 1:14 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Hunt, Shane D <shunt@usbr.gov>
Subject: Re: [EXTERNAL] Sites - BA Discussions

Hi Ali,

I would suggest that we schedule two meetings: a management-level meeting focused on what the proposed action is, followed by a more technical meeting to start discussing the other issues. We have an internal discussion on the BA proposed action scheduled for 11/3, so would want the management-level meeting to occur after that.

A doodle poll sounds good for scheduling, so if you agree with this plan, I can pull together a list of who to invite to each meeting from our side and send it over.

Thanks,

Vanessa

Vanessa King
Hydrologist and Interim Project Manager for Sites Reservoir Project
Bureau of Reclamation, Interior Region 10 · California-Great Basin, Division of Planning
Office: 916-978-5077

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Tuesday, October 26, 2021 4:24 PM
To: Hunt, Shane D <shunt@usbr.gov>; King, Vanessa M <vking@usbr.gov>
Subject: [EXTERNAL] Sites - BA Discussions

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Hi Shane and Vanessa – Quite a bit of stuff came up on our last Tuesday call regarding the BA and BA approach. I hear from the team that there have been continued discussions on this here and there over the last week also. I'd like to schedule a few hour discussion so we can discuss the approach and some of the key aspects of the approach. I think working through some of these things early will save us a lot of time and stress in the back end. I am thinking of the following topics – and would appreciate your thoughts on additional topics.

1. What is the Project to consult on?
   a. Which alternative?
   b. How to handle things like TRR West and changes to roads in value engineering?
   c. How to handle Dunnigan pipeline uncertainty? (I heard this was a topic earlier today)
   d. Exchanges and modeling effort

2. Species Covered
3. Programmatic for some things – Project level for others
a. Species models and approach considering lack of access
b. Assumptions on take and amending the consultation once we have survey data
4. Climate Change
5. ROC on LTO reconsultation
6. Schedule

I think we should kick this off with a 2 hour discussion as I feel like there is a lot to discuss. I am happy to have others from the Reclamation team attend and look to you all to help frame up who should be there from the Reclamation side of things.

Vanessa, would it be easiest for me to send a doodle poll?

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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Sites RESERVOIR
Frequently Asked Questions

The following questions and answers are meant to respond to common questions about Sites Reservoir.

Since Sites only receives water when there is "surplus" flow in the Sacramento River, how long is it projected now before the reservoir is full under "normal" precipitation patterns?

In California water there is no "normal" water year. If we look at 82 years of past hydrology analyzed using standard models and methods, it would take, on average, approximately five to seven years for the reservoir to fill completely on first fill. In contrast, in a single water year like 2016-2017 it would have been possible to fill the reservoir in that one year. Similarly, if a string of dry years were to occur, it would take longer to fill, maybe as much 10 years. Surprisingly, there tends to be "surplus" flow in the river in all years. Even in dry and critically dry years, there would be filling opportunities, albeit fairly limited.

The original construction of Los Vaqueros Reservoir in Contra Costa County provides a real-life example of the possible variability in fill rates. The first fill of the 100,000 acre-foot reservoir was expected to take five to seven years. However, the first year of operation was 1997-1998, a fairly wet year of high-quality water being available at the intakes, which allowed the reservoir first fill to be completed in just two years.

How much above the statistical normal for rainfall in the region does rainfall have to be for Sites to receive "surplus" water from the Sacramento River?

Sites is designed to divert water through existing state-of-the-art fish screens only when actual flows on the Sacramento River exceed that needed by more senior water right holders, the Delta is in "excess" conditions, and based on stringent criteria to protect aquatic resources. Sites primarily diverts flows into the Sacramento River from streams and creeks downstream of Shasta/Keswick Dams. The exception is that Sites could pick up water that gets released from these dams under flood control conditions. The operations modeling typically conducted for water projects does not rely on rainfall statistics. Instead, model simulations (CalSim) calibrated to actual flow conditions for an 82-year period covering 1921-2003 are overlayed with current permit and operating constraints to evaluate with project conditions. The nice thing about this approach is that you can simulate future with climate change conditions which has been done for the Sites Project. The results of these with climate change simulations demonstrate that the performance of the project actually improves 5 to 10 percent with climate change. This is good for all of the project partners including the state and federal governments which are approximately 25% shareholders for environmental purposes. We suspect that someone has correlated the historical hydrology in CalSim and rainfall, but we are not aware of any project effects analysis being based on rainfall conditions alone.

And, given the underlying complexity of these questions, where could an analyst wanting to do a very deep dive on these key risk questions find the hard data needed?

The Sites Project is reissuing an environmental document for the project in early November 2021 for a 60-day review period with a posting in the federal register scheduled for November 12. This document includes the modeling results discussed above. Also, two public meetings to review the document and receive public comments are being scheduled. Watch the Sites website for announcements and notices at **www.sitesproject.org**.

Draft_0013499

From: Jerry Brown [waterologyconsulting@gmail.com]
Sent: 11/5/2021 2:14:20 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]
Subject: My Follow-up w/Lewis

FYI

From: Lewis Bair <lbair@rd108.org>
Date: Wednesday, November 3, 2021 at 3:04 PM
To: Jerry Brown <waterologyconsulting@gmail.com>
Subject: Re: Follow-up

Good to hear on item #1. Item #2 is consistent with what I was suggesting. Locals are developing a Tisdale Bypass Management Plan that looks at multiple benefits of operating the DWR adult passage notch planned to be completed in 23/24 (no idea why it will take that long?). One of the major action items would be operation of the gate to recruit juveniles and I agree, those additional downstream flowage easements would be the mechanism to allow that operation. There are also landowners in that same footprint proposing projects to extend how long water stays on the landscape. Overall, it is a great group of landowners for a project like this.

Lewis

From: Jerry Brown <waterologyconsulting@gmail.com>
Date: Wednesday, November 3, 2021 at 2:47 PM
To: Lewis Bair <lbair@rd108.org>
Subject: Follow-up

Hi Lewis – Just wanted to get back on a couple of developments since the NACWA thing a couple of weeks and our conversation there:

1. Its looking like DWR may be finding there is no effect on Fremont Weir big notch operation with Sites in place. Unofficially, confidential and still be determined. But if this is true, would be consistent with your thinking.
2. Talked to Kris Tiernell @ DWR and he suggested a Tisdale Weir juvenile entrainment add-on to the rehab/fish passage project could be possible and may be beneficial but would be a separate project after they complete construction in 23/24. He suggested the main element would be land easements due to increased inundation area. Does this make sense to you?

Jerry

Sites Project Authority

Notice of Availability of the Sites Reservoir Project Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS)

Location: Colusa, Glenn, Tehama, and Yolo Counties, California

Purpose of the Notice: The Sites Project Authority and the U.S. Bureau of Reclamation (Reclamation) are circulating for public review and comment a joint Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS). In August 2017, the Authority and Reclamation jointly issued a Draft Environmental Impact Report/Environmental Impact Statement (2017 Draft EIR/EIS) for the Project. The RDEIR/SDEIS includes a complete revision of the 2017 Draft EIR/EIS to reflect changes to the Project. The RDEIR/SDEIS has been prepared in compliance with the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) and is being recirculated for public review and comment in accordance with Section 15088.5 of the State CEQA Guidelines.

The Project's purpose is to to provide direct and real benefits to instream flows, the Sacramento–San Joaquin Delta ecosystem, and water supply reliability. Water that would be stored and released from Sites Reservoir would be used for local, State, and federal water use needs. These include municipal, industrial, and agricultural uses as well as to provide benefits to anadromous fish species in the Sacramento River watershed, wildlife refuges and habitats, and to help supply food for delta smelt in the Yolo Bypass.

Lead Agency: The Sites Project Authority is the lead agency under CEQA; the Bureau of Reclamation is the lead agency under NEPA.

Description of the Project: The Project consists of the construction and operation of an offstream surface water reservoir. The Project would use existing infrastructure to divert unappropriated flow from the Sacramento River at Red Bluff and Hamilton City and convey the water to a new offstream reservoir west of the community of Maxwell, California. New and existing facilities would move water into and out of the reservoir, with ultimate release back to the Sacramento River system via existing canals and a new pipeline located near Dunnigan, California. The Project would require modifications to the Glenn-Colusa Irrigation District system and the Tehama-Colusa Canal to move water into and out of the reservoir. Water conveyance between Sites Reservoir and the canals and Dunnigan pipeline would be facilitated by an existing and one new regulating reservoir and two new associated pumping/generating plants. New electrical substations would connect the pumping/generating facilities and their associated electrical switchyards to an existing overhead power line. Three new recreation areas would also be constructed around the new Sites Reservoir. New roads would be constructed to provide access to Project facilities and recreation areas, and some existing roads would be relocated or improved. Construction of Sites Reservoir would necessitate construction of a bridge or bypass road to connect Maxwell with the community of Lodoga. The RDEIR/SDEIS evaluates four alternatives, including the No Project/No Action Alternative.

Significant Environmental Effects: Based on analysis in the RDEIR/SDEIS, all action alternatives would result in significant and unavoidable impacts/adverse or substantially adverse effects on the following resource categories: surface water quality, vegetation and wetland resources, wildlife resources, geology and soils, agricultural and forestry resources, air quality, cultural resources, tribal cultural resources (CEQA only), visual resources, environmental justice and socioeconomics (NEPA only). The Project is not located on or near a property included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.

Availability of the RDEIR/SDEIS: Copies are available for public review at the following locations:

1. Sites Project Authority, 122 Old Highway 99 West, Maxwell, CA 95955

2. Bureau of Reclamation, California-Great Basin Regional Office Library, 2800 Cottage Way, Sacramento, CA 95825
3. Maxwell Branch Library, 34 Oak Street Maxwell, CA 95955
4. Sacramento Public Library, Central Branch, 828 I Street, Sacramento, CA 95814
5. Colusa County Free Library, Main Branch, 738 Market Street, Colusa, CA 95932
6. Glenn County Public Library, Willows Branch, 201 N. Lassen Street, Willows, CA 95988
7. Tehama County Library, Red Bluff Branch, 645 Madison Street, Red Bluff, CA 96080
8. Yolo Branch Library, 37750 Sacramento Street, Yolo, CA 95697
9. Mary L. Stephens – Davis Branch Library, 315 E. 14th Street, Davis, CA 95616

The RDEIR/SDEIS is also accessible from the following websites:
https://sitesproject.org/environmental-review https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024
Please contact the Authority at 530-438-2309 if you need additional assistance in reviewing the RDEIR/SDEIS.

Public Review Period: The RDEIR/SDEIS will be available for a 60-day public review from November 12, 2021 to January 11, 2022. Please submit written comments on the RDEIR/SDEIS by 5p.m. PST January 11, 2022 via email at EIR-EIS-Comments@SitesProject.org or via U.S. Mail to either: Sites Project Authority, P.O. Box 517, Maxwell, CA 95955; or, U.S. Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825

Public Meetings: Two virtual public meetings will be held to receive comments from individuals and organizations on the RDEIR/SDEIS. Information on accessing the virtual public meetings is available at https://sitesproject.org/environmental-review.

- *Virtual Meeting:* Wednesday, December 15, 2021, 6:00 p.m. to 8:00 p.m. PST
- *Virtual Meeting:* Thursday, December 16, 2021, 9:00 a.m. to 11:00 a.m. PST

For individuals requesting reasonable accommodations, please contact the Sites Project Authority at 530-438-2309 or Boardclerk@SitesProject.org.

SUPPLEMENTARY INFORMATION: The RDEIR/SDEIS describes the environmental setting and evaluates the potential direct, indirect, and cumulative impacts that could result from implementation of each alternative. The RDEIR/SDEIS includes feasible mitigation measures to avoid, minimize, rectify, reduce, or compensate for significant adverse impacts. The proposed alternatives meet all or the majority of the purpose, need, and objectives of the Project and were developed to avoid or substantially reduce one or more of the Project's significant impacts. Information about the differences between the alternatives from the 2017 Draft EIR/EIS and the three action alternatives in the RDEIR/SDEIS can be found in Appendix 2B of the RDEIR/SDEIS, *Additional Alternatives Screening and Evaluation*.

FOR FURTHER INFORMATION: Please contact Alicia Forsythe, Sites Project Authority, at 530-438-2309.

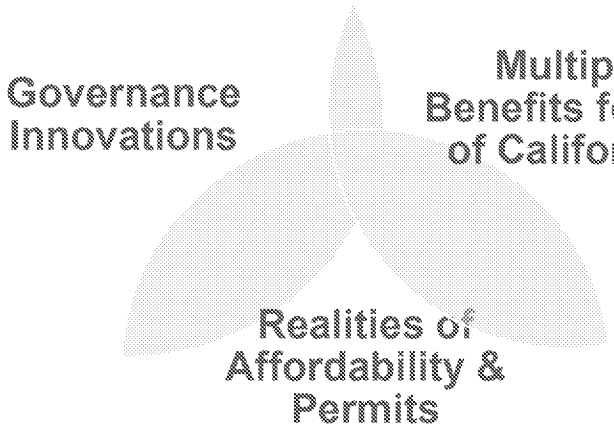
Dated: 11/9/21

Signed: _____

Jerry Brown, Executive Director

Sites Reservoir
Sites

Key Presentation Take-Aways



Sites

Our Strength is in Our Broad Statewide Participation

Sacramento Valley

Carter Mutual Water Company
City of American Canyon
Colusa County
Colusa County Water Agency
Cortina Water District
Davis Water District
Dunnigan Water District
Glenn County
Glenn-Colusa Irrigation District
LaGrande Water District
Placer County Water Agency
Reclamation District 108
City of Roseville
Sacramento County Water Agency
City of Sacramento
Tehama-Colusa Canal Authority
Westside Water District
Western Canal Water District

Bay Area

Santa Clara Valley Water District
Zone 7 Water Agency

San Joaquin Valley

Wheeler Ridge-Maricopa Water Storage District
Rosedale-Rio Bravo Water Storage District

Southern California

Antelope Valley - East Kern Water Agency
Coachella Valley Water District
Desert Water Agency
Irvine Ranch Water District
Metropolitan Water District
San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency
Santa Clarita Valley Water Agency

Sites

Affordable, Permittable, Buildable

Sites underwent a rigorous value planning effort that resulted in a "right-sized" project. The Sites Reservoir of today:

- Has a smaller footprint than the previous iteration
- Meets the water supply needs of current participants
- Comes at a lower cost
- Supports State's environmental goals
- Creates flexibility for participants
- Performs under most challenging climate change scenarios

The right-sized project cuts roughly $2 billion from the original proposal.

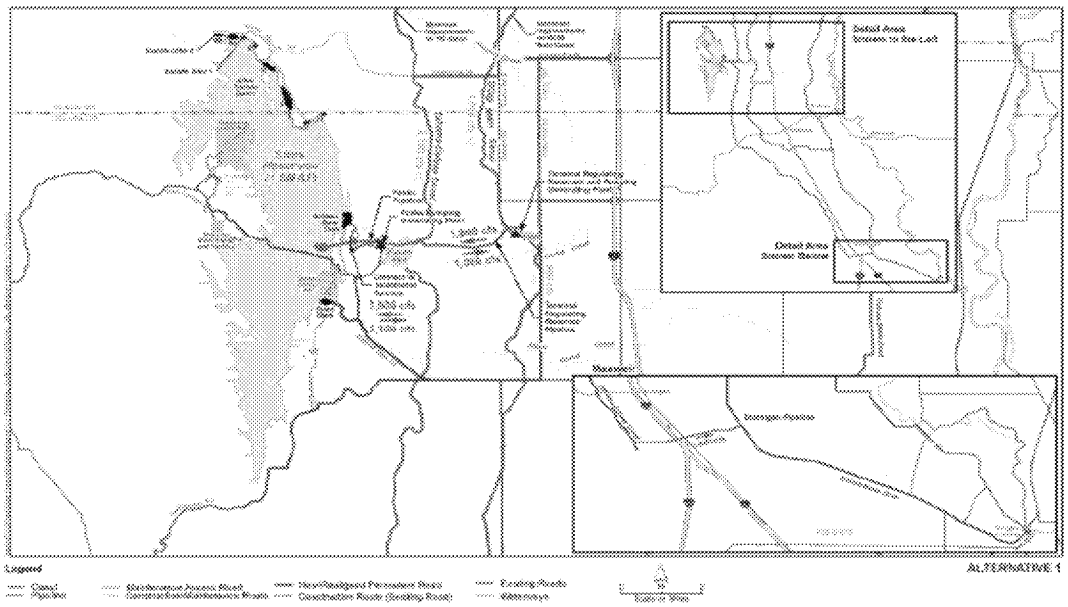
Sites is now more affordable, permittable, and buildable.

Sites

The Sites Reservoir is uniquely situated

Sites

The “rightsized” project optimize use of existing conveyance infrastructure



Sites

JP has map

Sites Reservoir Provides Climate Change Resiliency

How does Sites Reservoir address these challenges?

- Captures excess flows in the Sacramento River – rain instead of snowmelt
- Off-stream storage and state of the art fish screens protect the river system environment
- Adds 1.5 million acre-feet of storage space providing water mgmt. flexibility
- Provides new, affordable water for people, farms and environment during the more frequent dry spells California will experience
- Allows other reservoirs, like Shasta Oroville and Folsom, to optimize cold water during dry periods for environmental purposes

Project performance is modeled to improve by approximately 5%-10% under anticipated climate change conditions

Sites

Provides a Dry Year Water Supply for all of California

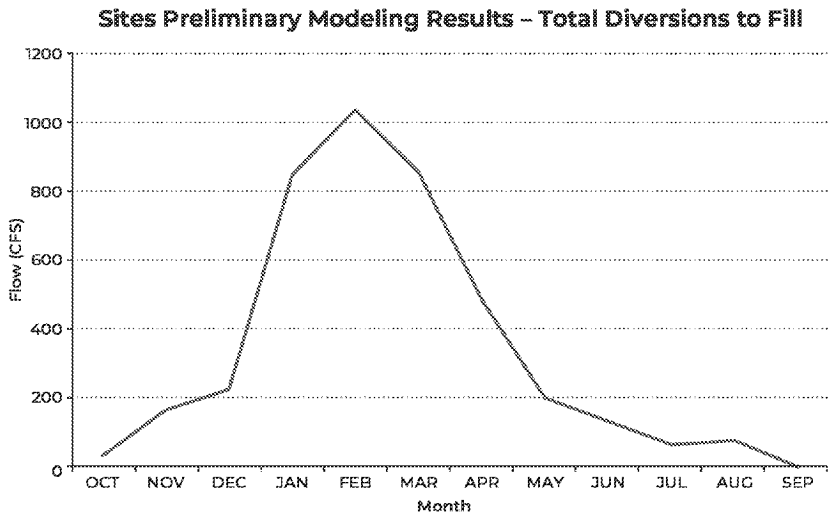
SITES PROJECT NEW WATER SUPPLY

Year Type	Water Supply (thousand acre-feet)
Wet	80-90
Above Normal	92-282
Below Normal	190-296
Dry	398-429
Critically Dry	308-348
Long-Term Average	207-260

If we had Sites Reservoir in this 2021 drought year we estimate we would have nearly 1MAF of additional water for California's farms, cities and the environment.

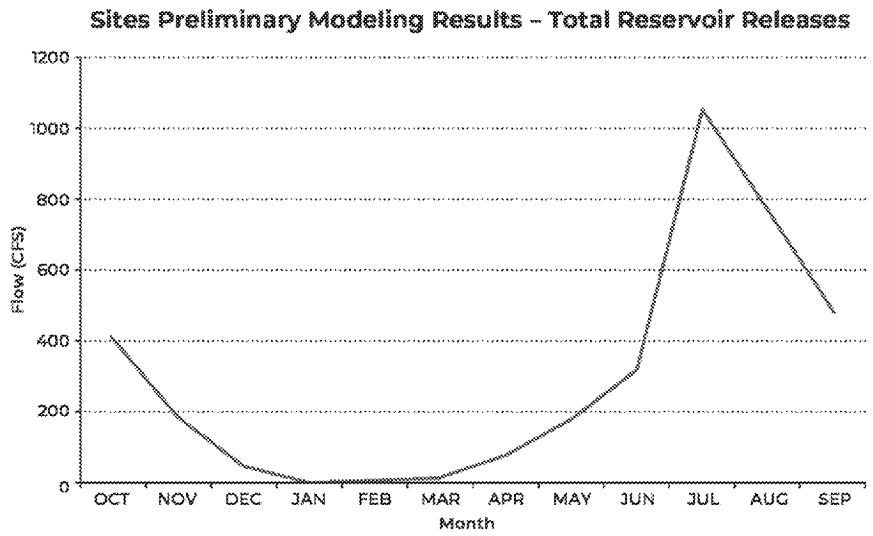
Sites

Sites Captures and Stores Stormwater



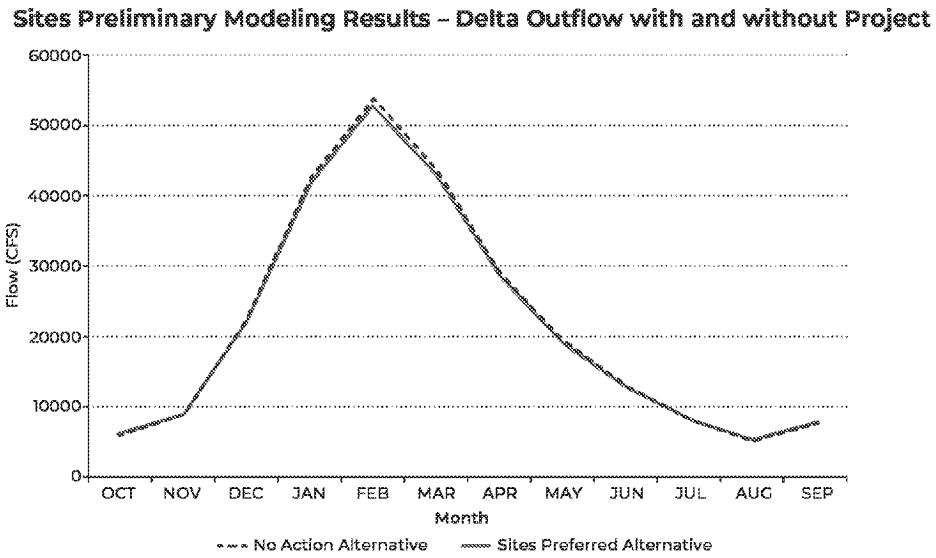
Sites

Sites Releases During Drier Periods



Sites

Sites Converts Uncaptured Flow Into Dry Year Supplies – a higher and better use that maximizes productivity



Sites

State Public Benefits in Sites funded by Prop 1

Total 2018 MCED: $816M (Rank 3)

Environmental (~67%)

Refuge Supplies - Provide a reliable supply of refuge water to improve Pacific Flyway habitat for migratory birds and other native species

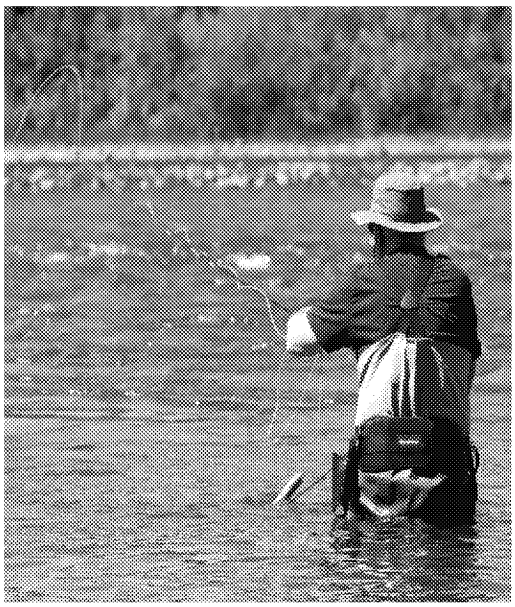
Yolo Bypass - Provide water dedicated to help improve conditions for the Delta Smelt

Other Possibilities (not currently included) -
Preserve cold-water for use later in the summer months to support salmon development, spawning and rearing

Environmental Water Manager concept to flexibly manage the State's asset for optimal environmental results

Recreation (~23%)

Flood Control (~ 5%)



Sites

Sites RDEIR/SDEIS Project Alternatives

Facilities / Operations	Alternative 1	Alternative 2	Alternative 3
Reservoir Size	1.5 MAF	1.3 MAF	1.5 MAF
Hydropower	Incidental upon release	Same as Alt 1	Same as Alt 1
Diversion Locations	Red Bluff Pumping Plant and Hamilton City	Same as Alt 1	Same as Alt 1
Conveyance Release / Dunnigan Release	1,000 cubic feet per second (cfs) into new Dunnigan Pipeline to Colusa Basin Drain	1,000 cfs into new Dunnigan Pipeline to Sacramento River. Partial release into the Colusa Basin Drain	Same as Alt 1
Reclamation Involvement	**1. Funding Partner 2. Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges**	**Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges**	**Same as Alt 1, but up to 25% investment**
DWR Involvement	Operational Exchanges with Oroville and use of SWP facilities South-of-Delta	Same as Alt 1	Same as Alt 1
Route to West Side of Reservoir	Bridge across reservoir	Paved road around southern end of reservoir	Same as Alt 1

Ali has slide to send.

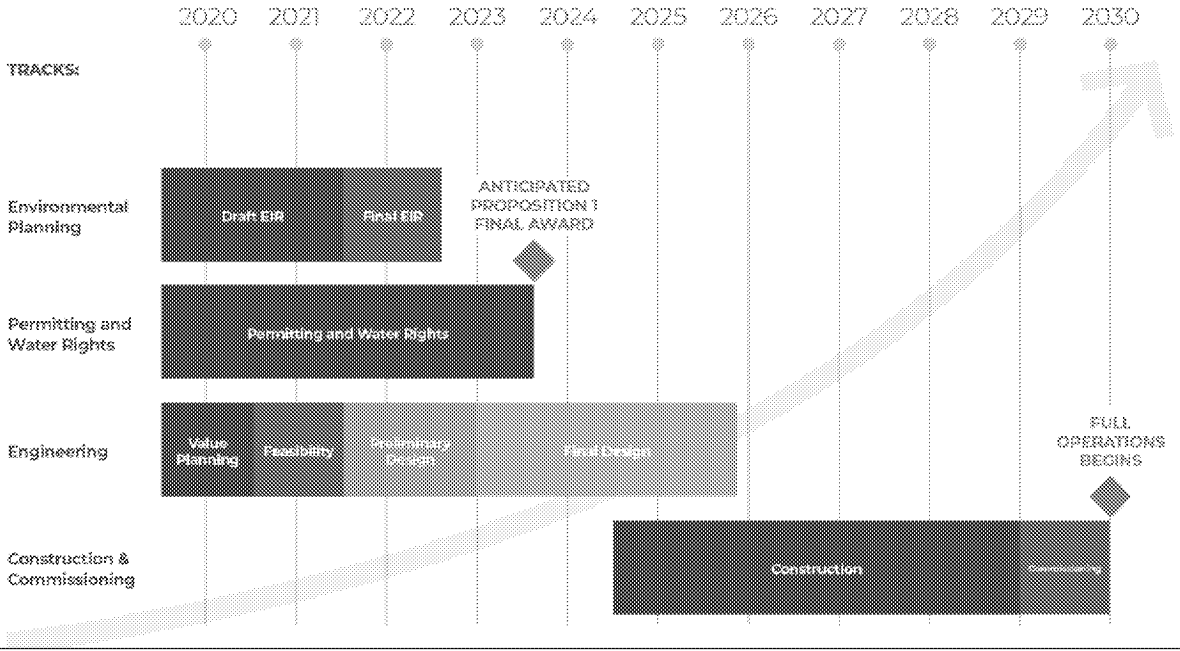
Sites has to be Affordable, Permittable and Buildable

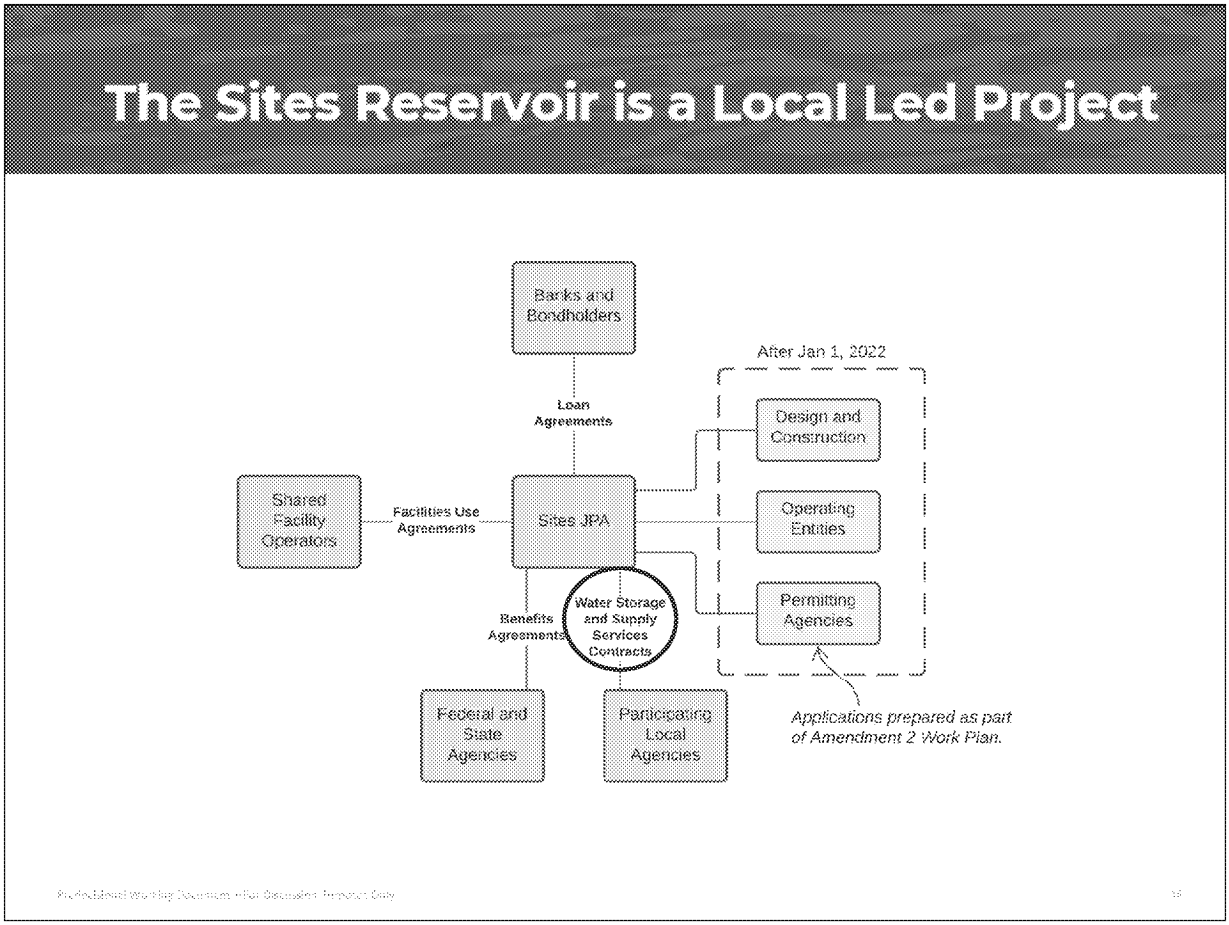
Reservoir Size (MAF)	Alternative 1 (1.5MAF)
Total Project Cost (2021$, billions)	~$3.9B
Annualized AF/year release (AFY)	~230,000
Estimated Unit Costs During Repayment Without WIFIA Loans (2021$, $/AF)	~$800
Estimated Unit Costs During Repayment With WIFIA Loans (2021$, $/AF)	~$700

Sites

Looking Ahead

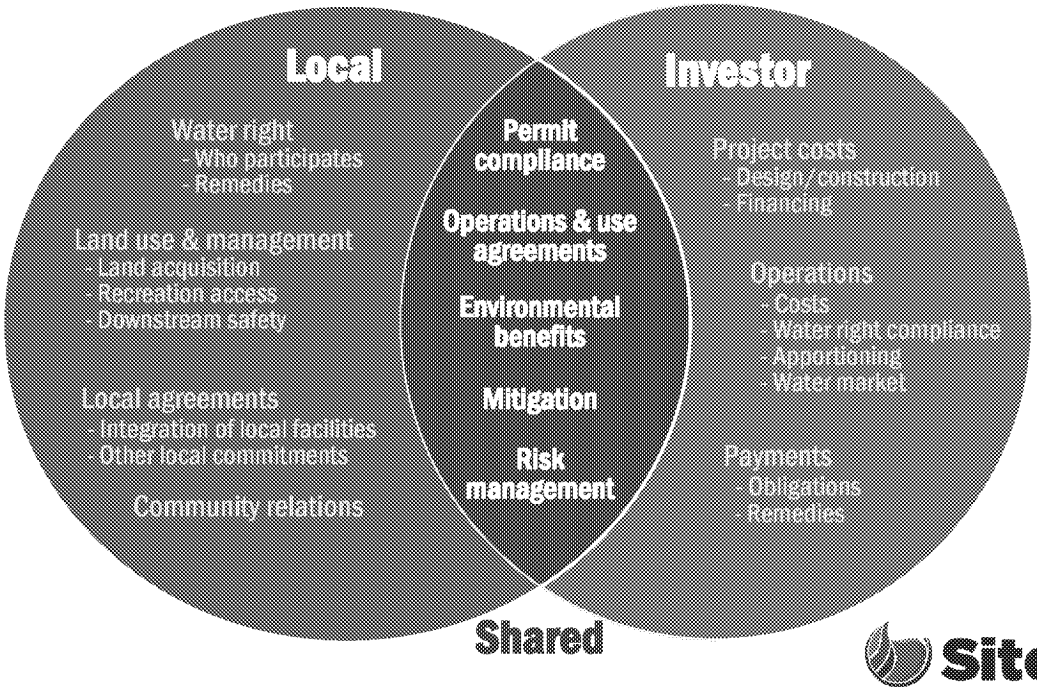
Sites Reservoir Project Schedule





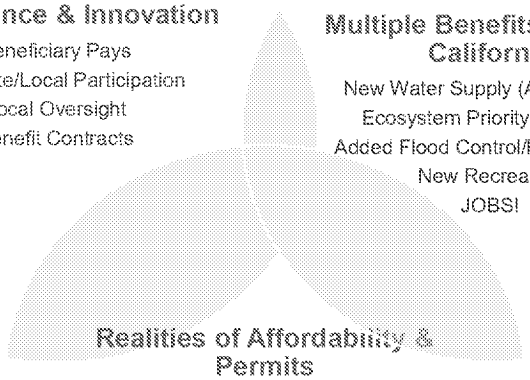
For today we are shifting from thinking of the project as a set of facilities and an operations model to a partnership stitched together by agreements. All of our work today shapes the formation of the agreement between the Sites JPA and the Participants. We acknowledge there are many other agreements, such as permits, which are being advanced currently, but today we are focused on the agreement that forms this team for the long haul.

Governance Interests



Sites

Summary Of Take-Aways



Governance & Innovation

Beneficiary Pays
Fed/State/Local Participation
Local Oversight
Benefit Contracts

Multiple Benefits for all of California

New Water Supply (Ag & Urban)
Ecosystem Priority Flexibility
Added Flood Control/Public Safety
New Recreation
JOBS!

Realities of Affordability & Permits

Competitive unit cost of water
Protective conditions for species
Net benefits for the environment
Use of existing facilities
Integrated Operations

Sites

Questions
Sites

Sites Project Authority & Participants

Sacramento Valley

Authority Board (11 agencies)

Colusa County	4.5%
Colusa County Water District	4.6%
Glenn County	
Glenn-Colusa Irrigation District	2.2%
Placer County WA & City of Roseville	
Reclamation District 108	1.8%
Sacramento Co WA & City of Sacramento	
Tehama-Colusa Canal Authority	
Westside Water District	2.4%

Associate Members (6 non-voting)

Western Canal Water District	
Tehama-Colusa Four	
Cortina Water District	0.2%
Davis Water District	0.9%
Dunnigan Water District	1.3%.
LaGrande Water District	0.4%

Other (2 non-voting)

US Bureau of Reclamation (Cost-share)	7%
California Department of Water Resources (Ex Officio)	18%

Sacramento Valley

Reservoir Committee

American Canyon, City of	1.8%
Carter MWC	0.1%

Beyond the Sacramento Valley

Reservoir Committee

Antelope Valley-East Kern WA	0.2%
Coachella Valley Water District	4.5%
Desert Water Agency	2.9%
Metropolitan Water District	22.5%
Irvine Ranch Water District	0.4%
Rosedale Rio Bravo WSD	0.2%
San Bernardino Valley Muni WD	9.6%
San Gorgonio Pass Water Agency	6.3%
Santa Clara Valley Water District	0.2%
Santa Clarita Valley Water Agency	2.2%
Wheeler Ridge-Maricopa WSD	1.4%
Zone 7 Water Agency	4.5%

Local Water Agencies:

Reservoir Comm members: (Participants) **23**

Working Draft dated 2018 Mar 21

Dual governance

How many are participating at conference (e.g. UWI = 5)

Working Draft, Subject to Change

Sites Project Overview

From: Kim Floyd [kim@floydcommunications.com]
Sent: 11/9/2021 2:24:45 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]; Dekar, Melissa D [mdekar@usbr.gov]; laurie.warner.herson@phenixenv.com
Subject: RE: [EXTERNAL] Sites Project Map Graphic - Revised for Review

Makes sense, thank you! Stay tuned for a revised version.

Kim

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Tuesday, November 9, 2021 2:20 PM
To: Kim Floyd <kim@floydcommunications.com>; Dekar, Melissa D <mdekar@usbr.gov>; laurie.warner.herson@phenixenv.com
Subject: RE: [EXTERNAL] Sites Project Map Graphic - Revised for Review

Hi Kim – I think we need to revert the legend back to "New Access Road". And then label in the map itself "Realigned Sites Lodoga Rd – Alternative 2". Its just the portion of the road to the West of the Reservoir that needs to be labelled. Not all of the orange is Sites Lodoga Road.

Hopefully this makes sense.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Kim Floyd <kim@floydcommunications.com>
Sent: Tuesday, November 9, 2021 1:58 PM
To: Dekar, Melissa D <mdekar@usbr.gov>; Alicia Forsythe <aforsythe@sitesproject.org>; laurie.warner.herson@phenixenv.com
Subject: RE: [EXTERNAL] Sites Project Map Graphic - Revised for Review

Thank you!

Kim

From: Dekar, Melissa D <mdekar@usbr.gov>
Sent: Tuesday, November 9, 2021 1:55 PM
To: Kim Floyd <kim@floydcommunications.com>; Alicia Forsythe <aforsythe@sitesproject.org>; laurie.warner.herson@phenixenv.com
Subject: RE: [EXTERNAL] Sites Project Map Graphic - Revised for Review

Looks good. Thank you, Kim!

From: Kim Floyd <kim@floydcommunications.com>
Sent: Tuesday, November 9, 2021 1:50 PM
To: Dekar, Melissa D <mdekar@usbr.gov>; Alicia Forsythe <aforsythe@sitesproject.org>; laurie.warner.herson@phenixenv.com
Subject: [EXTERNAL] Sites Project Map Graphic - Revised for Review

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Ali, Melissa and Laurie:

I've attached the revised Sites map that I believe captures all of your edits. Can you please review and let me know if there are any other changes, or anything we've missed?

Thanks,

Kim

Kim Floyd Communications
(916) 838-2666 (cell)
kim@floydcommunications.com

From: Kim Floyd [kim@floydcommunications.com]
Sent: 11/9/2021 3:12:18 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]; Dekar, Melissa D [mdekar@usbr.gov]; laurie.warner.herson@phenixenv.com
Subject: RE: [EXTERNAL] Sites Project Map Graphic - Revised for Review
Attachments: Sites_Project_Overview_Map.pdf

Hi, Ali:

How does this look?

Thanks,

Kim

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Tuesday, November 9, 2021 2:20 PM
To: Kim Floyd <kim@floydcommunications.com>; Dekar, Melissa D <mdekar@usbr.gov>; laurie.warner.herson@phenixenv.com
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Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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Sent: Tuesday, November 9, 2021 1:55 PM
To: Kim Floyd <kim@floydcommunications.com>; Alicia Forsythe <aforsythe@sitesproject.org>;

laurie.warner.herson@phenixenv.com
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Sent: Tuesday, November 9, 2021 1:50 PM
To: Dekar, Melissa D <mdekar@usbr.gov>; Alicia Forsythe <aforsythe@sitesproject.org>; laurie.warner.herson@phenixenv.com
Subject: [EXTERNAL] Sites Project Map Graphic - Revised for Review

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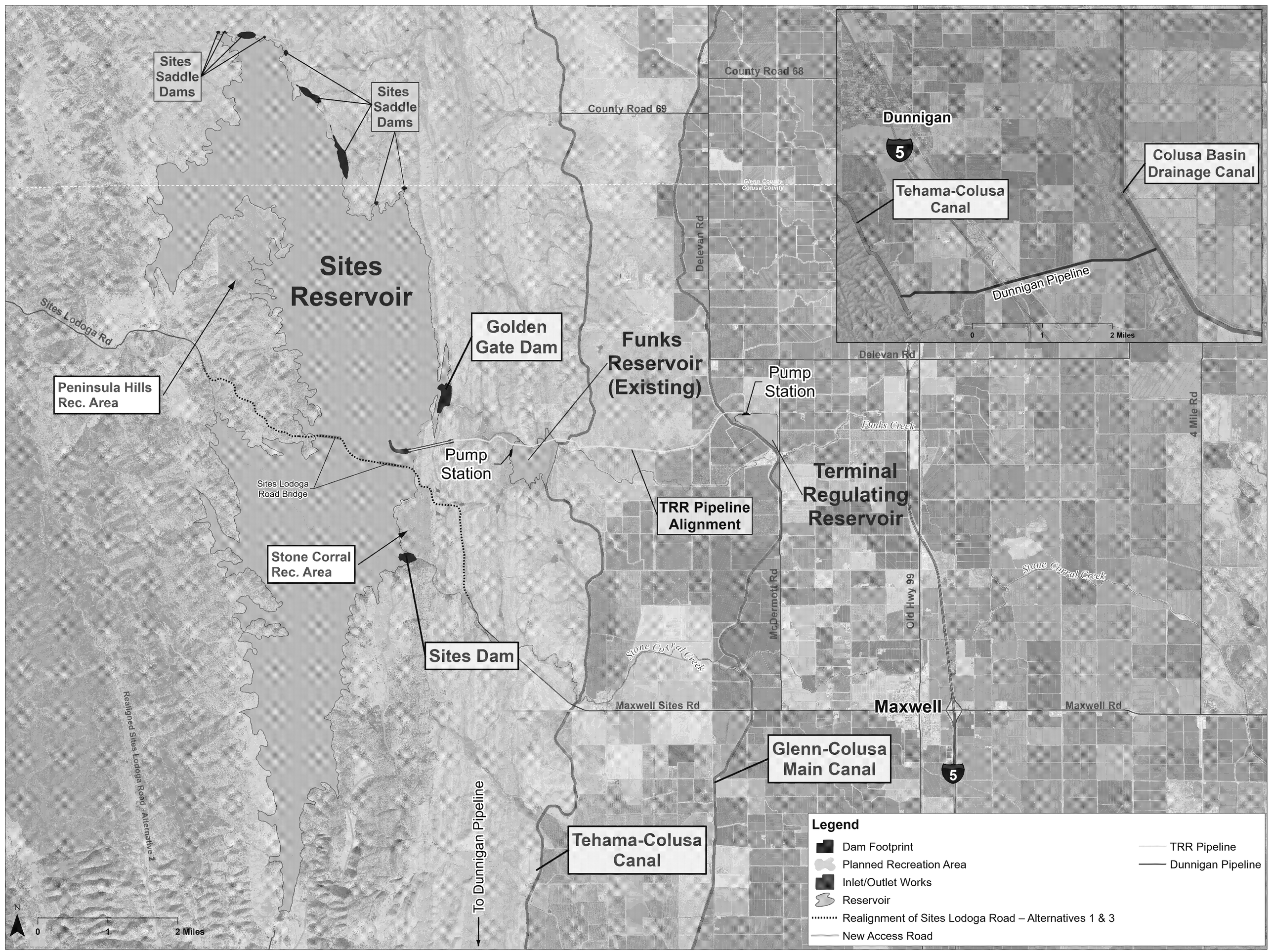
Kim

Kim Floyd Communications
(916) 838-2666 (cell)
kim@floydcommunications.com



Draft_0013528

Sent: 11/10/2021 1:04:47 PM
To: Micko, Steve/SAC [Steve.Micko@jacobs.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]
CC: Leaf, Rob/SAC [Rob.Leaf@jacobs.com]; Thayer, Reed/SAC [Reed.Thayer@jacobs.com]
Subject: RE: Sites - More Quick CALSIM Model Runs If Possible

Steve – I never really noticed this, but why do releases go down when we add in June? So why are releases in Study 16 less than Study 15? Are these numbers rever

---

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Micko, Steve/SAC <Steve.Micko@jacobs.com>
Sent: Wednesday, November 3, 2021 4:57 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Heydinger, Erin <erin.heydinger@hdrinc.com>
Cc: Leaf, Rob/SAC <Rob.Leaf@jacobs.com>; Thayer, Reed/SAC <Reed.Thayer@jacobs.com>
Subject: RE: Sites - More Quick CALSIM Model Runs If Possible

Hi Ali,

Reed made quick work of the runs!
High-level results are tabulated below.

Let us know if you have any questions.

Best,
Steve

Name	Alt 1B (Admin Draft EIR)	Study 15	Study 16	Study 17	Study 18
Wilkins Slough	8,000 Apr/May 5,000 all other	10,700 Oct-May 5,000 all other	10,700 Oct-Jun 5,000 all other	10,700 Dec-May 5,000 all other	10,700 Dec-Jun 5,000 all other
Fremont Weir Notch Protections	Y	N	N	N	N
Pulse Flow Protection	Y	Y	Y	Y	Y
Releases (TAF)	234	215	212	219	217
Diversions (TAF)	255	235	232	240	237

Dry & Critical Diversions (TAF)	104	76	76	82	82

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Monday, November 1, 2021 11:02 AM
To: Micko, Steve/SAC <Steve.Micko@jacobs.com>; Heydinger, Erin <erin.heydinger@hdrinc.com>
Subject: [EXTERNAL] Sites - More Quick CALSIM Model Runs If Possible
Importance: High

Hi Steve – I have another request for some quick CALSIM model runs in support of our discussions. Can you run the following:

1. 10,700 cfs Wilkins Slough Oct-May, pulse protection included, NO Fremont Weir Notch Protection
2. 10,700 cfs Wilkins Slough Oct-June, pulse protection included, NO Fremont Weir Notch Protection
3. 10,700 cfs Wilkins Slough Dec-May, pulse protection included, NO Fremont Weir Notch Protection
4. 10,700 cfs Wilkins Slough Dec-June, pulse protection included, NO Fremont Weir Notch Protection

Pulse protection should be for the entire time of diversions (Sept to June) for all of these.

I am sorry to ask this, but if possible, I could use these by Thursday COB. If not, let me know and we can adjust.

I realize the differences between these are minor, but I think we are honing in on things here so would like to see each of these.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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Sites Reservoir Project

RDEIR/SDEIS Frequently Asked Questions

The following questions and answers are meant to respond to common questions about the potential environmental impacts of the proposed Sites Reservoir Project.

1. **Would Sites Reservoir divert water from the Sacramento River during dry and critically dry years?**

   Yes, even during drier years there can be significant precipitation events that present conditions where water can be diverted safely from the river and placed in Sites Reservoir. All diversions would be subject to the highly protective operating conditions that are currently being proposed for the Sites Reservoir Project.

2. **Would Sites Reservoir meaningfully address future droughts?**

   Sites Reservoir is an insurance policy for future droughts. Sites Reservoir does not rely on snowpack and if the scientific projections are correct about the impacts of climate change (i.e., California is expected to receive about the same annual precipitation that it currently does but more will come as rain than snow and be subject to year-to-year variability), then having Sites Reservoir would mean we can collect more water in the reservoir for use during future droughts.

3. **Would Sites Reservoir decrease Delta flows?**

   Yes, slightly, when the Project is diverting. However, since the Sites Reservoir diversions would occur only when there are high river flows, any reduction to Delta flows would be minor and would not impact any of the beneficial uses of the water in the Delta. Storing water in Sites Reservoir during times when there is a lot of flow in the Sacramento River for use during times when the flows are low, including during drought periods, is part of the statewide strategy for adapting to changing climate conditions and to return much needed flexibility to our statewide water management system.

4. **Have concerns about the impact of Sites Reservoir operations on the environment been addressed in the current proposal?**

   The Project operations have been modified substantially over the last two years to be more protective of the environment. These modifications have reduced the Project diversions from the Sacramento River substantially (almost in half) as compared to the criteria proposed in 2017. The current Project operations strikes the needed balance between environmental protections and Project affordability that has to exist for the Project to proceed.

5. **Does this Project impact the Trinity River?**

   The Project would not affect or result in changes in the operation of the Central Valley Project (CVP), Trinity River Division facilities (including Clear Creek). Reclamation would continue to operate the Trinity River Division consistent with all applicable statutory, legal, and contractual obligations, including but not limited to the Trinity River Record of Decision (ROD), the 2017 ROD for the Long-Term Plan for the Lower Klamath River, and the provision of (not less than) 50,000 acre-feet identified in Trinity River Division Central Valley Project Act of 1955 to be made available to Humboldt County and downstream water users.

6. **How does this Project impact water quality in the Sacramento River and Delta?**

The Project would have some impacts to water quality and would also enhance beneficial uses of water, even improving water quality in some areas. For example, increases in outflow in drier years could reduce seawater intrusion into the Delta. During those same periods, exchanges with Sites water could benefit fish by preserving cold-water supplies from Shasta Lake, Lake Oroville, and Folsom Lake later into the year. The Sites Project Authority would implement best management practices to minimize any potential water quality impacts associated with facility operations and maintenance. These would include actions to prevent spills and reduce runoff that may cause sediment or contaminants to flow into waterbodies. Monthly water quality testing would be performed for discharges moving into and through the Yolo Bypass, and mitigation measures – such as mercury sediment management – would be implemented to counteract any impacts to water quality.

7. **How will the Project benefit anadromous fish?**

The additional water supply provided by Sites Reservoir may provide opportunities for improved management of salmonid habitat, particularly in the Sacramento River above Red Bluff Diversion Dam. By exchanging Sites water for CVP water, Reclamation has an additional tool to maintain and improve habitat for salmonid spawning, incubation, rearing, and migration. By delivering water to CVP contractors from Sites Reservoir, Reclamation may maintain supply in Shasta Lake for important periods to support these habitat conditions. The possible additional water supply in Shasta Lake can then be allocated during real-time management scenarios for a number of uses (e.g., cold-water pool maintenance, spring pulse or fall pulse flow events, reduced fall flows) that may provide enhanced anadromous fish benefits.

8. **Will this Project curtail or otherwise reduce allocations for other water right holders?**

Sites Reservoir would only divert water when flows in the Sacramento River meet minimum diversion criteria, when the Delta is in "excess" conditions, when all senior downstream water rights have been met, when all environmental permit conditions have been met, and when there is excess capacity within the conveyance facilities, such as the Tehama-Colusa and Glenn-Colusa Canals. The Project would not curtail or otherwise reduce allocations of water for other water right holders.

Sites

BUREAU OF RECLAMATION

Sites Reservoir Project

RDEIR/SDEIS Fact Sheet

Summary

In accordance with the California Environmental Quality Act and the National Environmental Policy Act, the Sites Project Authority (Authority) and U.S. Bureau of Reclamation (Reclamation) have prepared a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) to analyze the potential environmental impacts of construction and operation of the Sites Reservoir Project (Project), a proposed offstream reservoir located in Colusa and Glenn counties. The Project would capture excess water from major storms and store it for drier periods to increase the reliability of water supplies for California communities, farms, and the environment.

Following the release of the Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) in 2017, the Authority, a joint powers authority comprised of water agencies, municipalities, and irrigation districts from throughout California, undertook a value planning process to identify and evaluate additional alternatives that could make the Project more affordable while also addressing comments received on the 2017 Draft EIR/EIS. The result of these efforts is reflected in the joint RDEIR/SDEIS.

The Authority and Reclamation are requesting comments on the RDEIR/SDEIS during an extended 60-day public review and comment period from Nov. 12, 2021, to Jan. 11, 2022. Visit sitesproject.org/environmental-review to review the RDEIR/SDEIS.

Environmental Review Process & Timeline

RDEIR/SDEIS	RDEIR/SDEIS Public Review and Comment Period	Final EIR/EIS	Notice of Determination/ Record of Decision
Released November 2021	Comment Period: Nov. 12, 2021 – Jan. 11, 2022 Virtual Public Meetings: Dec. 15 and 16, 2021	Fall 2022	Late 2022/Early 2023
Presents the analysis of potential environmental impacts for each identified alternative	Opportunity for public review and comment on the analysis presented in the RDEIR/SDEIS	Includes updates to the RDEIR/SDEIS and responses to all substantive comments received during the RDEIR/SDEIS comment period	Completion of the environmental review process; provides the formal decision on the Project

Project Alternatives

Three new alternatives were identified, which include reservoir sizes from 1.3 to 1.5 million acre-feet and focus on using existing facilities to the extent practical for diversions to and releases from the reservoir. The RDEIR/SDEIS evaluates the potential environmental effects of these three new alternatives, as well as a No Project/No Action Alternative. The Authority and Reclamation could decide to approve one of the identified alternatives, or a version that incorporates elements from multiple alternatives.

Draft_0013533

How to Submit Comments on the RDEIR/SDEIS

Public input is an essential part of the environmental review process. The Authority and Reclamation welcome comments on the adequacy and accuracy of the analysis presented in the RDEIR/SDEIS. All comments on the RDEIR/SDEIS must be postmarked or received by 5 p.m. Pacific Standard Time (PST) on **Jan. 11, 2022** to be considered in the development of the Final EIR/EIS.

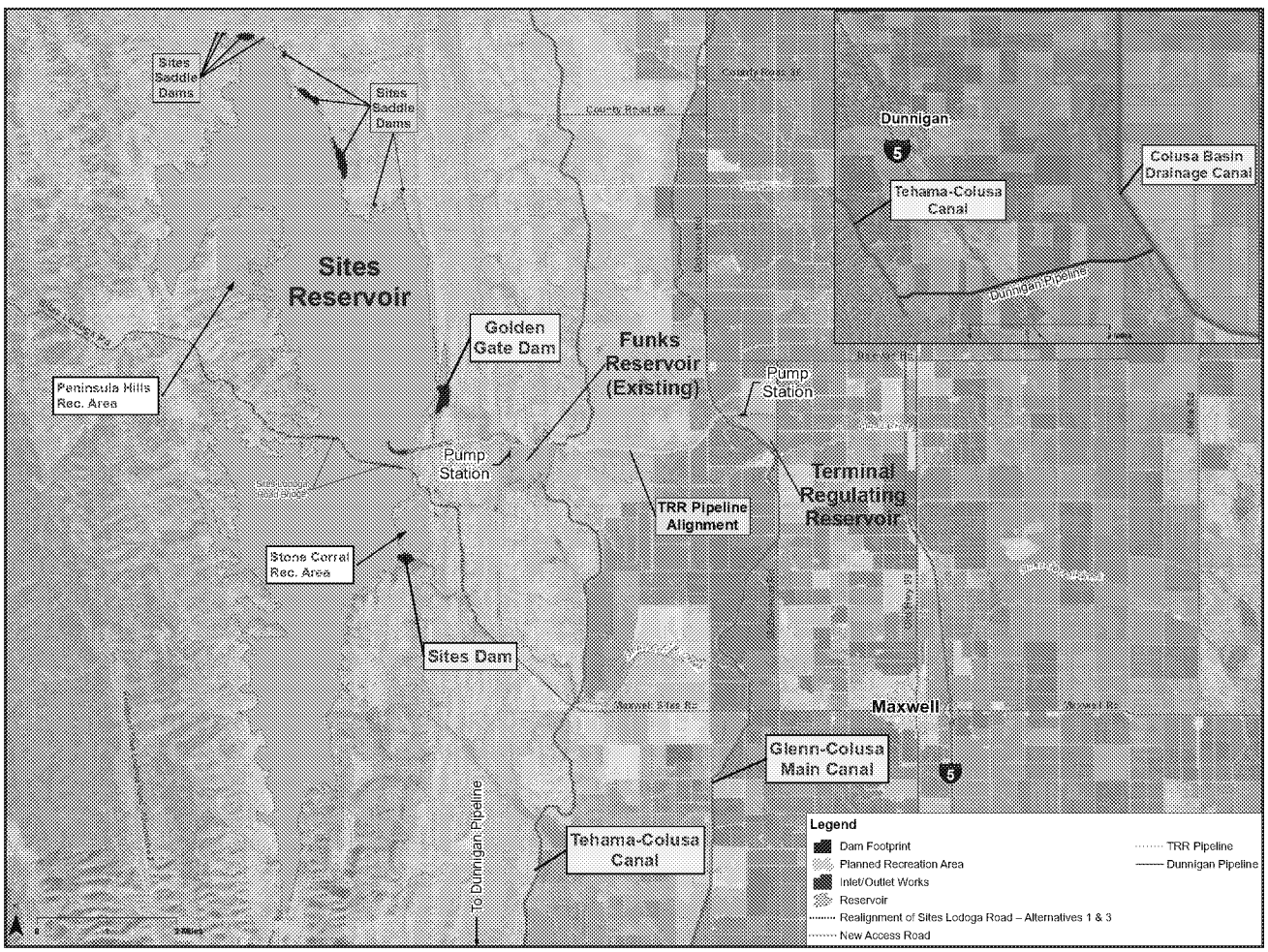
- **Email written comments to:**
  EIR-EIS-Comments@SitesProject.org
- **Mail written comments to:**

  Sites Project Authority
  P.O. Box 517
  Maxwell, CA 95955

  Bureau of Reclamation
  2800 Cottage Way, W-2830
  Sacramento, CA 95825
- **Provide verbal comments during the virtual public meetings:**
  - Wednesday, Dec. 15, 2021, 6–8 p.m. PST
  - Thursday, Dec. 16, 2021, 9–11 a.m. PST

Visit **sitesproject.org/environmental-review** for information on accessing the virtual public meetings.

Project Location & Facilities



(530) 438-2309
SITESPROJECT.ORG

Draft_0013534

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/11/2021 10:55:56 AM
To: Anthony Saracino [anthony@asaracino.com]; Jerry Brown [jbrown@sitesproject.org]
Subject: RE: Diversion data

Hi Anthony – It took us a few more days to work out some glitches in posting. The RDEIR/SDEIS is up on our website here: Environmental Review - Sites Reservoir (sitesproject.org).

It will notice tomorrow in the Federal Register along with the State noticing.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Friday, November 5, 2021 10:14 AM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: RE: Diversion data

Good morning and happy Friday,

Did I understand correctly that you were releasing the updated report today? If so, is there a link? Not seeing it on your website.

Cheers,

Anthony M. Saracino
www.asaracino.com
916-952-8573
On Oct 19, 2021, 12:39 PM -0700, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

> Anthony – The graph is showing the amount of water in storage in Sites Reservoir dedicated to the Proposition 1 benefits. Based on our current analysis, we expect to dedicate 244 TAF of storage space to the Proposition 1 benefits to be managed flexibility by the State.
>
> The graph is based on output from our CALSIM II modeling and is showing the utilization of that storage space based on the Project's diversion criteria (and the Prop 1 account getting a proportional share of diversions into the reservoir) and a set of release assumptions (how the Prop 1 water would be used). The two different lines show the differences assuming 2030 and 2070 future climate conditions (the assumptions for these future climates conditions for the CALSIM modeling were prescribed by the Water Commission).
>
> This graphic has not been released publicly in any of our documents but the back up data for it will be released in our upcoming State Feasibility Report.

Hope this helps.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Saturday, October 16, 2021 3:22 PM
To: Jerry Brown <jbrown@sitesproject.org>
Cc: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: Diversion data

Thanks Jerry. What document is this graph from and is it referencing storage space or actual environmental water in storage?

Look forward to our discussion.

Cheers,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 16, 2021, 7:32 AM -0700, Jerry Brown <jbrown@sitesproject.org>, wrote:

> Anthony – I wanted to chime in on something here. I think an important element of the contribution of the project gets lost in the "averages". I've circled in red on the attached 82 yr hydrology plot (with climate change) the drier periods which shows up to 250 taf available as stored water for environmental purposes. This seems to me to be a significant amount of water in times where its badly needed.
>
> I'm reminded of the adage – I put one hand in the oven and I put other in the freezer but on average I don't feel anything.
>
> I look forward to our meeting Oct 26 where we can discuss further.
>
> Jerry

From: Alicia Forsythe <aforsythe@sitesproject.org>
Date: Thursday, October 7, 2021 at 10:34 AM
To: Anthony Saracino <anthony@asaracino.com>
Cc: Jerry Brown <jbrown@sitesproject.org>
Subject: Diversion data

Anthony – Thanks again for your patience on this. Attached is a document that summarizes the Project's Proposition 1 benefits and provides a summary table of ecosystem benefits by water year type. Note that the water year type estimates for the refuge deliveries are deliveries at the refuge boundaries – so there is more Prop 1 water but some is removed for transportation losses. The same is true for the Yolo Bypass water, but there are minimal losses for this use.

It is important to note that the Federal Feasibility Report identified the opportunities for Reclamation's investment in the Project. Right now Reclamations investment is modelled as "op flex" – meeting CVP obligations, including environmental and contractual obligations. Op Flex is relatively new "use" in Feasibility Studies – previously, feasibility reports focused on specific environmental benefits for the Reclamation investment. We do see the possibility for Reclamation to dedicate its water to environmental purposes, such as additional IL4 Refuge Water Supply, anadromous fish benefits, delta outflow, etc., increasing the overall ecosystem benefits of the project beyond those current planned under Proposition 1.

In regard to diversion criteria, the Preliminary Project Description posted on the Authority's website provides quite a bit of detail on diversion criteria. I recently took a look at this and its generally all still applicable and relevant. However, one notable change is that we have added a mitigation measure into the Aquatics Resources Chapter (fisheries chapter) that includes a Wilkins Slough Bypass Flow of 10,700 cfs March through May. This is not reflected in the Preliminary Project Description but will be in the Revised Draft EIR/Supplemental Draft EIS when its released in mid-November. The Preliminary Project Description is here: Informational Materials - Sites Reservoir (sitesproject.org). Clink on the Fact Sheets and Documents tab. See the discussion starting on page 2-68 or page 73 of the PDF file.

Hope this information helps. Happy to answer any questions.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Jerry Brown <jbrown@sitesproject.org>
Sent: Wednesday, October 6, 2021 12:45 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: Diversion data

Can I look at these before you send to Anthony?

Sent from my iPhone

On Oct 6, 2021, at 11:54 AM, Alicia Forsythe <aforsythe@sitesproject.org> wrote:

Sounds good. I am working on both of these and should have them to you later today or early tomorrow. Apologies for the delay and thank you for the reminder!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Wednesday, October 6, 2021 11:50 AM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: RE: Diversion data

Yes, sorry for my lack of clarity. In addition to the description and quantities of Prop. 1 water, it would be good to get a summary of the latest on diversion criteria since it seems some of our eco colleagues are a bit focused on that… I don't need to get into the weeds on diversion criteria, but anything you have that could be easily transmitted would be great.

Thanks again,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 6, 2021, 11:45 AM -0700, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

> Apologies Anthony. I had in my notes that we were going to send you a description and quantities for the Prop 1 water. Your email below says "diversion information". Is this referring to diversion criteria? Just want to make sure that I am getting you the correct info.
>
> Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Tuesday, October 5, 2021 4:20 PM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Diversion data

Hi guys,

Were you still planning on sending the diversion information? I'm starting to get asked questions about it and it would be helpful to come up to speed.

Cheers,

Anthony M. Saracino
www.asaracino.com
916-952-8573

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/11/2021 2:05:24 PM
To: Marcia Kivett [MKivett@sitesproject.org]; Jay_Ziegler@TNC.ORG; Ann Hayden [ahayden@edf.org]; Maurice Hall [mhall@edf.org]; Anthony Saracino (anthony@asaracino.com) [anthony@asaracino.com]; Kimberly Filosena [kfilosena@TNC.ORG]; Jerry Brown [jbrown@sitesproject.org]
Subject: RE: Sites Reservoir Discussion
Attachments: 20210311_Sites Prop 1 Benefits Small Group_Presentation.pdf; Sites_Prop 1 Benefits Summary_20211006.docx

Hi all – Thanks for the great discussion last week. Apologies for the delay in getting back to you all.

Attached is the Proposition 1 benefits presentation. This helps to break down how things moved from the original Prop 1 Application to earlier this year. Some of the numbers in this presentation are out of date – and specifically the ecosystem water numbers. I've also attached a MS Word file that summarizes the Project's Proposition 1 benefits and provides a summary table of ecosystem benefits by water year type that is more current and from our State Feasibility Report. Note that the water year type estimates for the refuge deliveries are deliveries at the refuge boundaries – so there is more Prop 1 water but some is removed for transportation losses. The same is true for the Yolo Bypass water, but there are minimal losses for this use.

Hope this helps.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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-----Original Appointment-----
From: Marcia Kivett <MKivett@sitesproject.org>
Sent: Tuesday, September 28, 2021 12:03 PM
To: Marcia Kivett; Jay_Ziegler@TNC.ORG; Ann Hayden; Maurice Hall; Anthony Saracino (anthony@asaracino.com); Kimberly Filosena; Jerry Brown; Ali Forsythe
Subject: Sites Reservoir Discussion
When: Tuesday, November 2, 2021 9:00 AM-10:00 AM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Thank you all for the quick response. This meeting is to discuss the EIR/ITP Diversion Criteria and continued discussion on the Enviro Water Manager.

Microsoft Teams meeting

Join on your computer or mobile app
Click here to join the meeting

Or call in (audio only)

+1 213-379-5743,,762767308# United States, Los Angeles

(888) 404-2493,,762767308# United States (Toll-free)

Phone Conference ID: 762 767 308#

Find a local number | Reset PIN

A Brown and Caldwell Teams meeting has been created for this event.

Learn More | Help | Meeting options

Proposition 1 Benefits

Overview and Discussion of the Sites Project's Proposition 1 Benefits

March 11, 2021

Sites

Agenda

1. Introductions
2. Group Norms
3. Background
4. Recreation and Flood Control Benefits
5. Ecosystem Benefits
6. Contract Discussions
7. Schedule
8. Additional Topics from the Group
9. Action Items and Next Steps

Group Norms

- Encourage everyone to be on video
- Mute yourself when others are speaking
- Respectful, professional dialogue
- Ask questions throughout, lets have a dialogue
  - Let the speaker finish their point
  - Use the raise your hand function in Teams if needed

Draft_0013544

Background

- Proposition 1 of 2014 dedicated $2.7 billion for investments in water storage projects
- Administered by the California Water Commission (CWC) through the Water Storage Investment Program (WSIP)
- CWC completed rigorous review process of projects, open to the public
- July 2018, CWC made maximum conditional eligibility determinations (MCEDs) for 8 projects
  - Amount of Proposition 1 funding available to a given project
- Dec 2020, CWC increased MCEDs for all remaining projects by 2.5% to account for some inflation

Draft_0013545

Prop 1 Benefits Awarded to Sites

- CWC Awarded the following benefits:
  - Ecosystem Improvement – Refuge water supply
  - Ecosystem Improvement – Yolo Bypass flows
  - Recreation
  - Flood Control

	2018 MCED	2021 MCED*	Early Funding**
Sites Project	$816,377,686	$836,787,128	$40,818,884

*Additional MCED added in 2021 was to account for some inflation costs
**Early funding amount included in the MCEDs

Draft_0013546

Prop 1 Benefits Cost Allocation

Benefit Category	Capital Cost Allocation
Recreation	$197.2 million
Flood	$44.6 million
Ecosystem Improvement	$574.5 million
Total	**$816.3 million**

Draft_0013547

Recreation Benefits

- Water-related and water-based recreation at 3 new recreation areas
  - Stone Corral Recreation Area – 235 acres, east side of Sites
    - 50 camp sites
    - 10 picnic sites
    - Hiking trails
    - Boat launch
  - Peninsula Hills Recreation Area – 373 acres, west side of Sites
    - 200 camp sites, 1 group camp
    - 10 picnic sites
    - Hiking trails
  - Day Use Boat Ramp – 10 acres, west side of Sites
- Phased approach to match interest – Stone Corral and Day Use Boat Ramp constructed first
- Estimated 187,000 users per year
- Contract with DWR for management of benefits

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Recreation Area Location

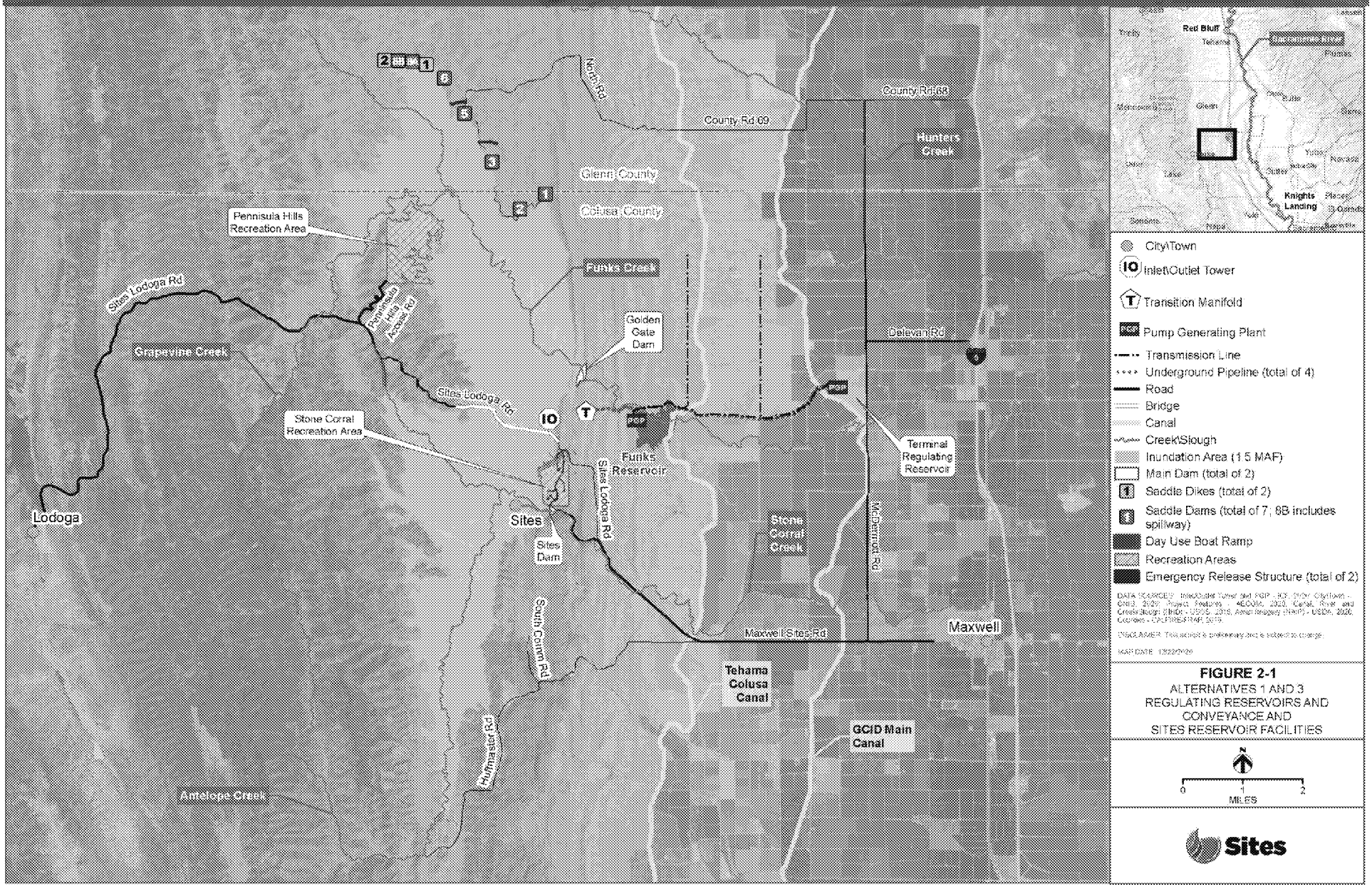
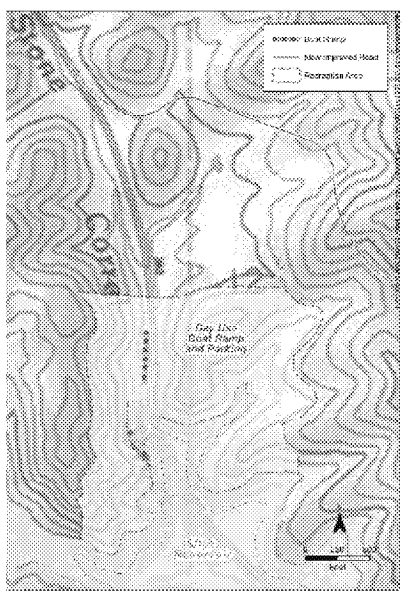
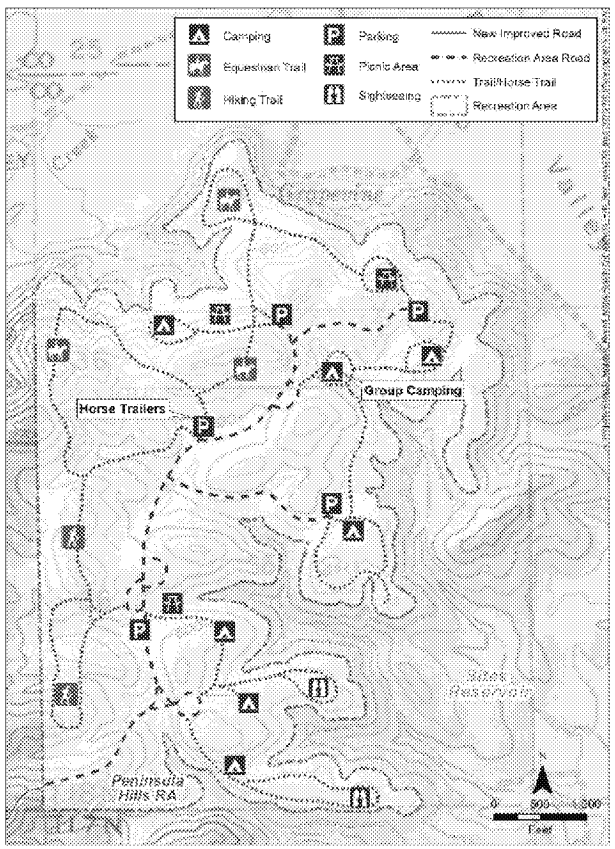


FIGURE 2-1
ALTERNATIVES 1 AND 3
REGULATING RESERVOIRS AND
CONVEYANCE AND
SITES RESERVOIR FACILITIES

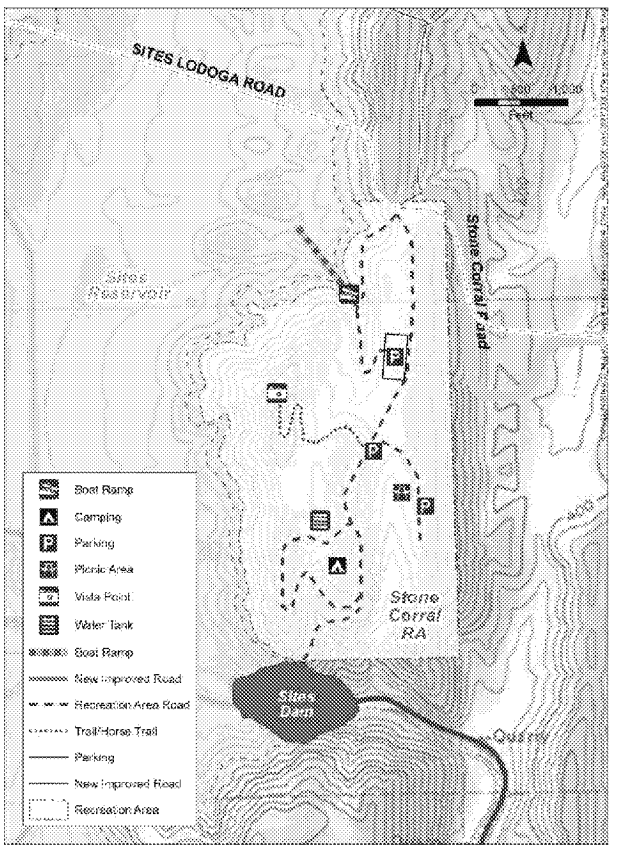
Recreation Area Schematics



DAY USE BOAT RAMP



PENINSULA HILLS RECREATIONAL AREA



STONE CORRAL RECREATIONAL AREA

Draft_0013550

Flood Control Benefits

- Local flood control benefits to town of Maxwell and adjacent agricultural lands by controlling flows
  - Funks Creek
  - Stone Corral Creek
- Provides 100-year flood protection to most of Maxwell and about 4,025 acres of ag land
- Reduce flooding of Interstate 5 in 100-year flood event
- Contract with DWR for management of benefits

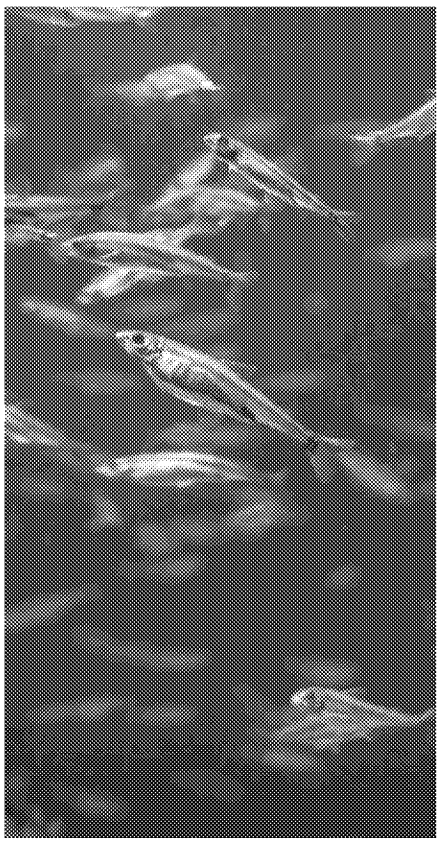
Draft_0013551

Ecosystem Improvement Benefits Overview

- Fundable ecosystem improvements must "contribute to restoration of aquatic ecosystems and native fish and wildlife"
- CDFW identified Ecosystem Priorities, physical changes and the anticipated ecosystem improvements (benefits) they could provide
  - A project affects a physical change (e.g., more river flow) and the physical change has a corresponding ecosystem improvement and benefit
- Project would contract with CDFW for management of identified ecosystem benefits – $574.5M

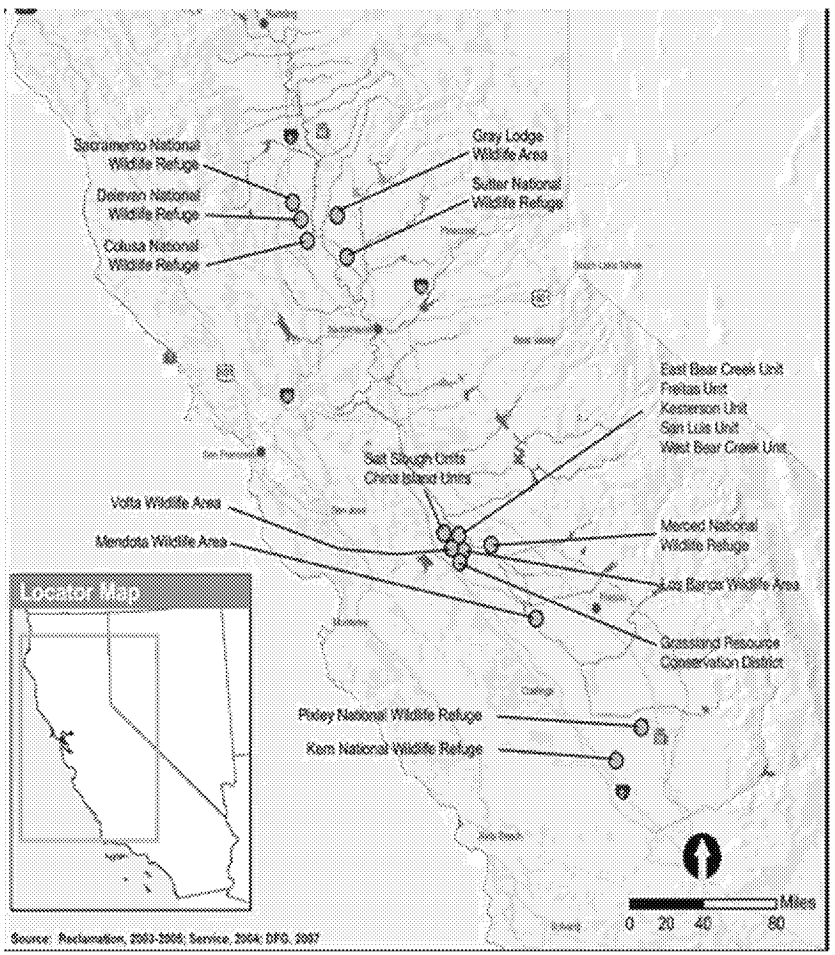
Yolo Bypass Flows Benefits

- Ecosystem Priority 10: Enhance the frequency, magnitude, and duration of floodplain inundation to enhance primary and secondary productivity and the growth and survival of fish
- August through October water deliveries to benefit Delta smelt
- Long-term average flow of approximately 30-32 TAF/year
- After delivery to the Yolo Bypass could be used as Delta outflow should State choose to



Refuge Incremental Level 4 Benefits

- Ecosystem Priority 14 (water to wetland and refuges)
- Water to enhance seasonal wetlands, permanent wetlands, and riparian habitat for aquatic and terrestrial species
- Average annual refuge water supply of approximately 20 TAF/year



Ensuring Benefits are Realized

- Contracts with
  - CDFW to administer the ecosystem benefits
  - DWR to administer the recreation and flood control benefits
- Contracts shall contain (Regs, Section 6014)
  - Adaptive management plan
    - Public benefit monitoring metrics
    - Monitoring locations, frequencies and timing
    - Metric evaluation methodology and associated threshold or trigger levels
    - Decision making process when trigger is reached
    - Funding sources and financial commitments to implement adaptive management
  - Description of benefits being administered
  - Reporting requirements
  - Assurances regarding operations, maintenance, repair, replacement
  - Provision allowing the administrating agency to inspect during construction and operations
  - Actions administrating agency may take if project fails to comply with contract

Draft_0013555

Ensuring Benefits are Realized (cont)

- Contract process
  - Drafted between CDFW or DWR and Authority
  - Draft provided to CWC for review and public review
  - Comments incorporated
  - Execution of final contract
- Necessary for final encumbrance of funds by the CWC
- Supersede any preliminary operations, monitoring, and management commitments made in the application
- Once operational, CWC tracks public benefits and provides access to data and reports

Draft_0013556

Storage Policy and Ecosystem Water Manager

- Draft Revised Storage Policy identifies that Storage Partners (including the State) are purchasing storage in Sites Reservoir
  - Provides an asset to the environment for flexible use
  - Currently envisioning that the State would have all the same rights and obligations as all other members
- Envision a CDFW Ecosystem Water Manager to manage the Proposition 1 water
  - Make annual, monthly, weekly decisions on how to use ecosystem water for the environment
  - Work with Authority as conditions change or challenges arise

Draft_0013557

Adaptively Changing Ecosystem Benefits in the Future

- Considering how to adaptively change ecosystem benefits if
  - Find that outcomes aren't being met
  - Find that there is a different/modified/greater need that isn't anticipated today
- Trying to be flexible in the contract to allow for some minor changes without contract amendment
  - Shift water from Yolo to Refuge IL4 or the other way around
  - Shift water for same purposes but different geographic area
- Larger changes likely require contract amendment (as current envisioned)

Draft_0013558

Schedule for Prop 1 Funding Activities

- Summer 2021
  - Benefits contracts "term sheets" with CDFW and DWR
- December 2021
  - Submit State ITP Applications
- By January 1, 2022
  - State Feasibility Study and CWC makes finding that project is feasible
  - Draft environmental documentation is available for public review (released scheduled for August 2021)
  - Commitment from not less than 75 percent of the non-public benefit cost shares of the project
- Late 2022
  - Draft contracts to CWC
- Spring 2023
  - All permits obtained
  - Final benefits contracts signed
- Summer 2023
  - Final funding agreement with CWC signed

Draft_0013559

Additional Topics from the Group

- Any additional questions or thoughts?

Action Items and Next Steps

Thank you!

Sites

Sites Reservoir Project
Summary of Proposition 1 Benefits and Estimated Ecosystem Benefits by Water Year Type
October 6, 2021

Summary of Proposition 1 Benefits

The Project was conditionally awarded Proposition 1 funding by the CWC to provide public benefits for flood damage reduction, recreation, and ecosystem benefits. The Project would provide these benefits by entering into a contract with DWR for the flood damage reduction and recreation benefits, a contract with CDFW for the ecosystem benefits, and a contract with the CWC for final funding award.

The Project would provide flood damage reduction benefits to portions of Colusa County, including Maxwell and the surrounding agricultural areas. Incidental storage in Sites Reservoir would capture and store flood flows from the Funks Creek and Stone Corral Creek watersheds. These flood damage reduction benefits are inherent to the Project design and would occur regardless of the Project's operations for water supply and water-related environmental benefits. The Project would provide recreation benefits through the three planned recreational areas around the reservoir.

The ecosystem benefits funded by the CWC include providing water for Incremental Level 4 Refuge water needs for Central Valley Project Improvement Act (CVPIA) refuges both north and south of the Delta and providing additional flow into the Yolo Bypass to benefit delta smelt (*Hypomesus transpacificus*). Incremental Level 4 Refuge water deliveries could occur in any water year type and at any time of year. For those refuges located south of the Delta, it is assumed that water would be moved from July to November through the Delta. Additional flows into the Yolo Bypass could occur at any time of year but are assumed to occur during the summer and fall months (August through October) of all water year types. These deliveries increase desirable food sources for delta smelt and other fish species in the late summer and early fall. The Authority envisions that CDFW would take an active role in managing the ecosystem water and would work with CDFW to schedule and adjust releases of ecosystem water to address real-time conditions and needs.

Estimated Proposition 1 Ecosystem Benefits by Water Year Type

ESTIMATED INCREMENTAL LEVEL 4 REFUGE WATER SUPPLY INCREASES DELIVERED TO THE REFUGE BOUNDARY (2030 AND 2070) (TAF/YEAR)

Period	North-of-the-Delta	South-of-the-Delta [b]	Total
2030 Results			
Long-Term Average [a]	5	11	17
Wet	0	0	0
Above Normal	9	5	14
Below Normal	9	13	22
Dry	8	27	34
Critical	6	17	23
2070 Results			
Long-Term Average [a]	5	10	15
Wet	0	0	0
Above Normal	9	1	10
Below Normal	7	8	16
Dry	7	10	17
Critical	6	21	27

Source: CALSIM II.
Notes:
(a) Average weighted based on water-year frequency rates
(b) Includes both San Joaquin and Tulare Lake Refuge deliveries and based on San Joaquin Valley 60-20-20 Index Year Class.
TAF = thousand acre-feet

YOLO BYPASS SUPPLY INCREASES (2030 AND 2070) (TAF/YEAR)

Period	North-of-the-Delta
2030 Results	
Long-Term Average [a]	36
Wet	46
Above Normal	48
Below Normal	39
Dry	27
Critical	15
2070 Results	
Long-Term Average [a]	31
Wet	35
Above Normal	38
Below Normal	34
Dry	29
Critical	18

Source: CALSIM II. (2021)
Note:
(a) Average weighted based on water-year frequency rates
TAF = thousand acre-feet

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/11/2021 2:11:13 PM
To: Anthony Saracino [anthony@asaracino.com]
Subject: RE: Diversion data
Attachments: 202104_02-01 Storage Principles_Adopted.pdf; 202110_Sites Annual Operations Graphic.jpg

Hi Anthony – Thanks for the great discussion today. Attached are the following:

1. Storage Principles. This was approved by our Board of Directors and helps to frame up for all members, including the State, how they can utilize their storage asset.
2. Water Order and Delivery Schedule – This is still very early in the process, but we are starting to frame up the water order and delivery schedule. We've shared the attached graphic with our members to get a sense of if this timing will work for them. They are generally okay with this and we expect this to be in our upcoming Operations Plan V1.0 that will be completed later this calendar year. We expect to add more detail to this next year as we develop the next version of the Operations Plan.

Let me know if you have any questions on these.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Alicia Forsythe
Sent: Thursday, November 11, 2021 10:56 AM
To: Anthony Saracino <anthony@asaracino.com>; Jerry Brown <jbrown@sitesproject.org>
Subject: RE: Diversion data

Hi Anthony – It took us a few more days to work out some glitches in posting. The RDEIR/SDEIS is up on our website here: Environmental Review - Sites Reservoir (sitesproject.org).

It will notice tomorrow in the Federal Register along with the State noticing.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Friday, November 5, 2021 10:14 AM

To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: RE: Diversion data

Good morning and happy Friday,

Did I understand correctly that you were releasing the updated report today? If so, is there a link? Not seeing it on your website.

Cheers,

Anthony M. Saracino
www.asaracino.com
916-952-8573
On Oct 19, 2021, 12:39 PM -0700, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

> Anthony – The graph is showing the amount of water in storage in Sites Reservoir dedicated to the Proposition 1 benefits. Based on our current analysis, we expect to dedicate 244 TAF of storage space to the Proposition 1 benefits to be managed flexibility by the State.
>
> The graph is based on output from our CALSIM II modeling and is showing the utilization of that storage space based on the Project's diversion criteria (and the Prop 1 account getting a proportional share of diversions into the reservoir) and a set of release assumptions (how the Prop 1 water would be used). The two different lines show the differences assuming 2030 and 2070 future climate conditions (the assumptions for these future climates conditions for the CALSIM modeling were prescribed by the Water Commission).
>
> This graphic has not been released publicly in any of our documents but the back up data for it will be released in our upcoming State Feasibility Report.
>
> Hope this helps.
>
> Ali
>
> ---
> Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org
>
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>
> **From:** Anthony Saracino <anthony@asaracino.com>
> **Sent:** Saturday, October 16, 2021 3:22 PM
> **To:** Jerry Brown <jbrown@sitesproject.org>
> **Cc:** Alicia Forsythe <aforsythe@sitesproject.org>
> **Subject:** Re: Diversion data

Thanks Jerry. What document is this graph from and is it referencing storage space or actual environmental water in storage?

Look forward to our discussion.

Cheers,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 16, 2021, 7:32 AM -0700, Jerry Brown <jbrown@sitesproject.org>, wrote:

Anthony – I wanted to chime in on something here. I think an important element of the contribution of the project gets lost in the "averages". I've circled in red on the attached 82 yr hydrology plot (with climate change) the drier periods which shows up to 250 taf available as stored water for environmental purposes. This seems to me to be a significant amount of water in times where its badly needed.

I'm reminded of the adage – I put one hand in the oven and I put other in the freezer but on average I don't feel anything.

I look forward to our meeting Oct 26 where we can discuss further.

Jerry

From: Alicia Forsythe <aforsythe@sitesproject.org>
Date: Thursday, October 7, 2021 at 10:34 AM
To: Anthony Saracino <anthony@asaracino.com>
Cc: Jerry Brown <jbrown@sitesproject.org>
Subject: Diversion data

Anthony – Thanks again for your patience on this. Attached is a document that summarizes the Project's Proposition 1 benefits and provides a summary table of ecosystem benefits by water year type. Note that the water year type estimates for the refuge deliveries are deliveries at the refuge boundaries – so there is more Prop 1 water but some is removed for transportation losses. The same is true for the Yolo Bypass water, but there are minimal losses for this use.

It is important to note that the Federal Feasibility Report identified the opportunities for Reclamation's investment in the Project. Right now Reclamations investment is modelled as "op flex" – meeting CVP obligations, including environmental and contractual obligations. Op Flex is relatively new "use" in Feasibility Studies – previously, feasibility reports focused on specific environmental benefits for the Reclamation investment. We do see the possibility for Reclamation to dedicate its water to environmental purposes, such as additional IL4 Refuge Water Supply, anadromous fish benefits, delta outflow, etc., increasing the overall ecosystem benefits of the project beyond those current planned under Proposition 1.

In regard to diversion criteria, the Preliminary Project Description posted on the Authority's website provides quite a bit of detail on diversion criteria. I recently took a look at this and its generally all still applicable and relevant. However, one notable change is that we have added a mitigation measure into the Aquatics Resources Chapter (fisheries chapter) that includes a Wilkins Slough Bypass Flow of 10,700 cfs March through May. This is not reflected in the Preliminary Project Description but will be in the Revised Draft EIR/Supplemental Draft EIS when its released in mid-November. The Preliminary Project Description is here: Informational Materials - Sites Reservoir (sitesproject.org). Clink on the Fact Sheets and Documents tab. See the discussion starting on page 2-68 or page 73 of the PDF file.

Hope this information helps. Happy to answer any questions.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Jerry Brown <jbrown@sitesproject.org>
Sent: Wednesday, October 6, 2021 12:45 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: Diversion data

Can I look at these before you send to Anthony?

Sent from my iPhone

On Oct 6, 2021, at 11:54 AM, Alicia Forsythe <aforsythe@sitesproject.org> wrote:

Sounds good. I am working on both of these and should have them to you later today or early tomorrow. Apologies for the delay and thank you for the reminder!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Wednesday, October 6, 2021 11:50 AM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: RE: Diversion data

Yes, sorry for my lack of clarity. In addition to the description and quantities of Prop. 1 water, it would be good to get a summary of the latest on diversion criteria since it seems some of our eco colleagues are a bit focused on that… I don't need to get into the weeds on diversion criteria, but anything you have that could be easily transmitted would be great.

Thanks again,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 6, 2021, 11:45 AM -0700, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

> Apologies Anthony. I had in my notes that we were going to send you a description and quantities for the Prop 1 water. Your email below says "diversion information". Is this referring to diversion criteria? Just want to make sure that I am getting you the correct info.
>
> Ali
>
> ---
> Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org
>
> CONFIDENTIALITY NOTICE: This communication with its contents may contain confidential and/or legally privileged information. It is solely for the use of the intended recipient(s). Unauthorized interception, review, use or disclosure is prohibited and may violate applicable laws including the Electronic Communications Privacy Act. If you are not the intended recipient, please contact the sender and destroy all copies of the communication.
>
> **From:** Anthony Saracino <anthony@asaracino.com>
> **Sent:** Tuesday, October 5, 2021 4:20 PM
> **To:** Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
> **Subject:** Diversion data
>
> Hi guys,
>
> Were you still planning on sending the diversion information? I'm starting to get asked questions about it and it would be helpful to come up to speed.
>
> Cheers,
>
> ---

Anthony M. Saracino
www.asaracino.com
916-952-8573

Sites

Topic: **Authority Board Meeting Agenda Item 2.1** **2021 April 21**

Subject: **Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water (formerly referred to as the Storage Policy)**

Requested Action:

Consider approval of the Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water (formerly referred to as the Storage Policy).

Detailed Description/Background:

In March 2021, staff provided an update on revisions to the Storage Policy to the Reservoir Committee and Authority Board. At that time, additional work was needed to resolve member comments and requested any remaining comments, questions or concerns on the document. All remaining comments from members (including Legal group review) have now been addressed and resolved. A proposed final version of the "Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water" (Storage Principles) is provided in Attachment A. Changes made since the last meeting are shown in redline/strikeout in Attachment B.

The most significant changes to the document since the last meeting are as follows:

- Changed title from Storage Policy to "Principles for the Storage, Delivery, and Sale of Sites Reservoir Project Water". This change in title is intended to reflect a more flexible document, recognizing that there are a number of Project approaches and agreements in development.
- Added text in Paragraph 2 on the purpose and scope of the Storage Principles. This text was added to recognized that that Storage Principles serve as the basic framework for the development of additional agreements, policies, and procedures for the Project.
- Shortened some paragraphs by removing redundant or repetitive text and/or simplifying descriptions and explanations.
- Moved the remaining cost items to the Plan of Finance.

These changes are consistent with the approach to the revisions previously discussed with the Reservoir Committee and Authority Board and staff does not believe that these changes result in substantial changes in the content of the document.

Draft_0013572

The Authority Board and Reservoir Committee, at their February 2021 joint meeting, also requested that items removed from the 2019 version of the Storage Policy for further development in other documents be listed for tracking purposes. These items are provided in Attachment C, which has been updated to reflect additional items added since the March 2021 Reservoir Committee and Authority Board meetings.

The Storage Principles have been reviewed and recommended for approval by the Storage Policy Small Group and the Ad Hoc Reservoir Operations and Engineering Workgroup. Staff believes that the Storage Principles set a strong foundation for the development of additional or more formal agreements, policies and procedures related to the storage, delivery and sale of Sites Project water and recommends that the Reservoir Committee approve the Storage Principles.

Prior Action:

March Meetings & February 19, 2021: Reviewed and commented on updates to the Water Storage Policy.

July 16, 2020: Reviewed and commented on the conditionally approved August 2019 Water Storage Policy and consideration of updates to align with Value Planning. Recognize the Storage Policy serves as the foundational document to 2021 key milestones of creating a Plan of Finance and Operations Plan and refer consideration of updates to the Ad Hoc Reservoir Operations and Engineering Workgroup.

Fiscal Impact/Funding Source: None.

Staff Contact: Ali Forsythe

Attachments:

Attachment A – Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water

Attachment B – Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water with redline/strikeout of changes made since the March 2021 review of the document

Attachment C – Tracking List of Items Removed from 2019 Storage Policy to be Addressed in Other Documents

PRINCIPLES FOR THE STORAGE, DELIVERY AND SALE OF SITES RESERVOIR PROJECT WATER

APPLICABILITY

(1) These Principles For The Storage, Delivery And Sale of Sites Reservoir Project Water ("Principles") adopted by the Sites Project Authority ("Authority") on _____, 2021, supersede the Storage Policy adopted by the Authority on August 26, 2019.

PURPOSE AND SCOPE

(2) These Principles are intended to guide and assist the Authority as it moves forward with the Sites Reservoir Project ("Project"). To that end, these Principles will serve as the basic framework for development, adoption and/or execution of additional or more formal agreements, policies and procedures related to the storage, delivery and sale of Sites Project water, as needed.

DEFINITIONS

(3) Authority – For the purposes of these Principles, the term Authority collectively refers to the Sites Project Authority and its standing Reservoir Committee. The final roles and responsibilities of the Authority and the Reservoir Committee in the day-to-day operations of Sites Reservoir have not yet been defined and the term Authority is used to refer to both entities collectively.

(4) Available Storage – That portion of Sites Reservoir that can be filled, minus dead storage and any storage space intentionally left unfilled at the direction of the Storage Partner who has contracted for that storage space.

(5) Beneficiary Pays Principle – The principle for allocating all costs associated with delivering certain Project benefits, including public and non-public benefits, to the party receiving such benefits.

(6) OM&R – Those costs associated with the operation, maintenance and repair/replacement of Project facilities. These can be broken down into: (a) Fixed OM&R costs that are more predictable year-to-year and that are not significantly influenced by varying diversions or releases of water; and (b) Variable OM&R costs that vary based on actual operations each year, including costs associated with water transfers or exchanges.

(7) Sites Reservoir Project (Project) – Sites Reservoir and associated diversion and conveyance facilities.

(8) Sites Water – Water that is appropriated under the Authority's water right.

(9) Storage Allocation – The amount of storage space (storage volume) in Sites Reservoir allocated to a Storage Partner, as agreed upon in that Storage Partner's Water Storage and Supply Services Contract and the amount of storage space shared or leased, if any, pursuant to Paragraph 25 of these Principles. Dead storage is not allocated to any Storage Partner.

(10) Storage Partners – The governmental agencies, water organizations and others who have funded and received a Storage Allocation in Sites Reservoir and the resulting water supply or water supply related environmental benefits from the Project. Storage Partners could include local agencies, the State of California, and the Federal Government.

(11) Water Storage and Supply Services Contract – That agreement, by whatever name, between the Authority and a Storage Partner that provides for the Storage Partner to obtain the Primary Benefits of the Project provided the Storage Partner meets the funding and other obligations of that agreement.

PRIORITY OF OPERATION

(12) Sites Reservoir will provide water supply and water supply related environmental benefits, including water quality benefits ("Primary Benefits"), as well as flood control, recreation, and power generation benefits ("Secondary Benefits"). Sites Reservoir will be operated so as to maximize the Primary Benefits for the Storage Partners. Secondary Benefits are considered incidental to the Project and will be subordinate to the provision of Primary Benefits.

ROLES

(13) Authority - The Authority will develop, own, operate, and maintain the Project. The Authority will obtain and comply with all permits, approvals and agreements needed to construct, operate and maintain the Project. The Authority will oversee the planning, permitting, and day-to-day operations and accounting of Sites Reservoir storage, releases and losses and related activities, including coordination with each Storage Partner. This will be done in a way that is open and transparent to all Storage Partners.

(14) Storage Partners – The Storage Partners are responsible for managing their Storage Allocation and for paying their allocated capital, fixed OM&R, and variable OM&R costs.

WATER STORAGE AND SUPPLY SERVICES CONTRACTS

(15) The Authority will enter into Water Storage and Supply Services Contracts with individual Storage Partners for the use of Project facilities. Each Water Storage and Supply Services Contract will be based on a Storage Partner's Storage Allocation.

WATER RIGHT AND POINT OF DELIVERY

(16) The Authority will apply for and hold the water right for the Project. In developing the Project and its operations, the Authority will divert water to maximize beneficial use and perfect the water right. The Authority will be responsible for compliance with the terms and conditions in the water right and any other permits, approvals, and agreements that control diversion of water to storage for the Project. The Storage Partners will be responsible for using Sites Water within the terms and conditions allowed in the Authority's water right and for providing the Authority with any information it may need to comply with reporting or other requirements. To the extent permitted by applicable law and with the cooperation of the Storage Partners, the Authority will undertake all reasonable measures to manage, control and protect Sites Water, including initiating any appropriate enforcement proceedings to prevent unlawful diversion of or interference with Sites Water.

(17) The Authority will manage Sites Water from the points of diversion to the primary point of delivery. The primary point of delivery for each Storage Partner will be Funks Reservoir or the Terminal Regulating Reservoir. For Sites Water delivered to Storage Partners not served by the Tehama-Colusa Canal or the Glenn Colusa Irrigation District's distribution system, the Authority may retain control of Sites Water to a secondary point of delivery, as agreed upon by the Authority and the Storage Partner in the respective Water Storage and Supply Services Contract. Storage Partners will be responsible for all losses after the primary point of delivery.

STORAGE OF WATER BY DIVERSION

(18) The Authority will take all actions practicable to maximize the diversion of water into Available Storage consistent with regulatory requirements, physical and operational constraints, and hydrologic conditions. Water diverted will be allocated to each Storage Partner's contractual storage space proportional to its Storage Allocation.[1] If a Storage Partner's Storage Allocation is not available, the available water will be allocated to the remaining Storage Partners who have available Storage Allocation space proportional to their Storage Allocation.

(19) The Authority will establish a process, including schedule, that allows for a Storage Partner to determine the maximum amount of water allocated to the Storage Partner's Storage Allocation each year along with a process to make changes to this amount. A Storage Partner may opt out of having water allocated to their Storage Allocation if they so inform the Authority through the process established by the Authority.

(20) The diversion of water to storage will take priority over the release of stored water. The diversion of Sites Water to storage will take priority over the diversion of water from other sources to storage.

STORAGE OF WATER FROM OTHER SOURCES

(21) Storage Partners may request that the Authority place water from sources other than Sites Water into storage and allocate that water to their Storage Allocation. The Authority will take all reasonable steps to facilitate these requests, subject to the Beneficiary Pays Principle. Placing water into storage from other sources must not negatively impact other Storage Partners, Project operations or financing.

(22) If there is a conflict between placing water into storage in Sites Reservoir from other sources of water and the release of water from Sites Reservoir at the same time, the Authority will prioritize diversions but take reasonable measures to accommodate both Storage Partners' requests.

ACCOUNTING FOR LOSSES

(23) Losses of water held in Sites Reservoir storage – including but not limited to evaporation, seepage, and any releases for dam safety or emergency conditions – will be allocated proportionally to each Storage Partner based on the amount of its water in storage.

SHARING OR LEASING OF STORAGE ALLOCATION

(24) Storage Partners are allowed to share or lease their Storage Allocation with other Storage Partners or other entities. The terms of sharing or leasing are at the discretion of the Storage Partners who are parties to a storage or lease agreement but must not negatively impact other Storage Partners, Project operations or financing. Any sharing or leasing of Storage Allocation must

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[1] *For example, if 275,000 acre-feet of water is able to be diverted to Sites Reservoir in any one year, this represents 20% of the total allocated storage space in Sites Reservoir (275,000/1.38 million acre-feet = 20%). In that year, each Storage Partner would receive an amount of water equal to 20% of their Storage Allocation, unless the Storage Partner has opted out of having water allocated to their Storage Allocation or their Storage Allocation is full. This example assumes a 1.5 million acre-foot reservoir with about 120,000 acre-feet allocated to dead pool.*

be coordinated with the Authority. A Storage Partner may not transfer or assign any of its rights or obligations as part of any sharing or leasing agreement.

SALE OF SITES WATER

(25) Storage Partners are allowed to sell water held in their Storage Allocation to other Storage Partners or other entities. The terms of sales of water held in a Storage Allocation are at the discretion of the Storage Partners who are parties to the sale but must not negatively impact other Storage Partners, Project operations or financing. Any sale of water held in a Storage Allocation must be coordinated with the Authority. A Storage Partner may not transfer or assign any of its rights or obligations as part of any sale of water. The receiving Storage Partner or other entity must have sufficient available Storage Allocation to store the water or release the water upon purchase.

RELEASES OF WATER FROM STORAGE

(26) To the extent allowed by the Project's permits, approvals and agreements and its physical and operational capabilities, Storage Partners have total discretion on the amount of water held in their Storage Allocation that they request to be scheduled for release for their use, and will have control over the use of their Storage Allocation space based on the conditions set forth in these Principles.

(27) Each year, the Authority will make a water storage forecast for each Storage Partner. Each Storage Partner will provide the schedule and amounts of the water they wish to be released in that year. The Authority will establish a process, including schedule, that allows for the Storage Partner to make changes to its water schedule and amounts for release throughout the year.

(28) The Authority will work with each Storage Partner, the State Water Project, Central Valley Project, Tehama Colusa Canal Authority, the Glenn Colusa Irrigation District, entities along the Colusa Basin Drain, and regulatory agencies and make all reasonable efforts to satisfy the water release schedules requested by each Storage Partner. If there is a release constraint affecting the ability of the Authority to meet the requested water release schedules, the Authority will work with those conflicted Storage Partners to see if accommodations can be made. If the conflict cannot be resolved, releases will be made in proportion to the Storage Allocation attributable to the conflicted Storage Partners.

UNIFORM STANDARDS FOR ALL STORAGE PARTNERS

(29) All Storage Partners are subject to uniform standards in the operation of the Project. Uniform standards include, but are not limited to, priority of diversions, storage, releases, and conveyance of Sites Water through Project facilities and utilization of their respective Storage Allocation.

CONFLICT RESOLUTION

(30) The Authority will develop a conflict resolution mechanism to resolve conflicts that may arise in Project operations. This conflict resolution process will be included in the Water Storage and Supply Services Contract.

FUTURE CHANGES

(31) It is anticipated that these Principles will evolve and change as the Project develops and as permits, approvals, and agreements are obtained and executed. These Principles may be modified in the future by the Authority.

DATE

_____, 2021

PRINCIPLES FOR THE STORAGE, DELIVERY AND SALE OF SITES RESERVOIR PROJECT WATER ~~WATER STORAGE POLICY PRINCIPLES OF AGREEMENT BY THE SITES PROJECT AUTHORITY~~

APPLICABILITY

(1) These Principles For The Storage, Delivery And Sale of Sites Reservoir Project Water ("Principles") adopted by the Sites Project Authority ("Authority") on _____, 2021, supersede ~~This A~~ the Storage Policy ~~was~~ adopted by the ~~Sites Project Authority~~ (Authority~~)~~ on ~~on 26th day of~~ August 26, 2019.

~~This Water Storage Principles of Agreement (Principles) was adopted by the Authority and amended on _____ 2021 to assist in the development and operation of the Sites Reservoir Project (Project) by the Authority and the Sites Storage Partners. These Principles supersede the 2019 Storage Policy.~~

PURPOSE AND SCOPE

(2) ~~The purpose of this Policy~~these ~~These~~ Principles are intended to ~~is to guide and identify the principles parameters~~ assist the Authority as it moves forward with the ~~will adhere to during~~ Sites Reservoir Project ("Project"). To that end, these Principles will serve as the basic framework for development, adoption and/or execution of additional or more formal agreements, policies and procedures related to the ~~Project development and operations as they relate to participation in the Project as well as diversions,~~ storage, ~~and~~ delivery and sale of Sites ~~releases of water from the~~ Project water, as needed.~~.~~

DEFINITIONS

(3) Authority – For the purposes of ~~this Policy~~these Principles, the term Authority collectively refers to the Sites Project Authority and its standing Reservoir Committee. The final roles and responsibilities of the Authority and the Reservoir Committee in the day-to-day operations of Sites Reservoir have not yet been defined and ~~thus~~ the term Authority is used to refer to both entities collectively.

(4) Available Storage – That portion of Sites Reservoir that can be filled, ~~less~~ minus dead storage and any storage space intentionally left unfilled at the direction of the Storage Partner who has contracted for that storage space.

(5) Beneficiary Pays Principle – The principle for allocating all costs associated with delivering certain Project benefits, including public and non-public benefits, to the party receiving ~~said~~ such benefits ~~(beneficiary)~~.

(6) ~~Operations, Maintenance and Replacement (O&M) or (OM&R)~~ – Those costs associated with the operation, maintenances and repair/replacement ~~-~~of ~~the~~ Project facilities. These can be broken down into: (a) Fixed ~~operations and maintenance and replacement~~OM&R costs that are more predictable year-to-year and that are not significantly influenced by varying diversions or releases of water; and (b) Variable ~~operations and maintenance~~O&M&R costs that ~~reflect annual operations and maintenance costs that~~ vary based on actual operations each year, including ~~operations and maintenance~~ costs associated with water transfers or exchanges.

(7) Sites Reservoir Project (Project) – Sites Reservoir and associated diversion and conveyance facilities.

(8) ~~Sites~~ Water – Water that is appropriated under the Authority's water right.

(9) Storage Allocation – The amount of storage space (storage volume) in Sites Reservoir allocated to a Storage Partner, as agreed upon in that Storage Partner's Water Storage and Supply Services Contract and the amount of storage space shared or leased, if any, pursuant to Paragraph 25 of ~~this Policy~~these Principles. Dead storage is not allocated to any Storage Partner.

(10) Storage Partners – The governmental agencies, water organizations and others who have funded and received a Storage Allocation in Sites Reservoir and the resulting water supply or water supply related environmental benefits from the Project. Storage Partners could include local agencies, the State of California, and the Federal Government.

(11) Water Storage and Supply Services Contract – That agreement, by whatever name, between the Authority and a Storage Partner that provides for the Storage Partner to obtain the Primary Benefits of the Project provided the Storage Partner meets the funding and other obligations of that agreement.

PRIORITY OF OPERATION

(12) Sites Reservoir will provide water supply and water supply related environmental benefits, ~~(~~including water quality benefits ("Primary Benefits"), as well as ~~along with~~ flood control, recreation, and power generation benefits ("Secondary Benefits"). Sites Reservoir will be operated ~~for~~ so as to maximize the Primary Benefits ~~water supply and water supply related environmental benefits that accrue to~~ for the Storage Partners. ~~Flood control benefits are inherent and will accrue regardless of the other benefits. Recreation and power generation benefits are incidental to the operations of Sites Reservoir for water supply and water supply related environmental benefits.~~ Secondary Benefits are considered incidental to the Project and will be subordinate to the provision of Primary Benefits.

ROLES

(13) Authority - The Authority will develop, own, operate, and maintain the Project. The Authority will obtain and comply with all ~~applicable~~ permits, ~~and~~ approvals and agreements needed to construct, operate and maintain the Project. The Authority will oversee the planning, permitting, and day-to-day operations and accounting of Sites Reservoir storage, releases and losses and related activities, including coordination with each ~~of the~~ Storage Partners. This will be done in a way that is open and transparent to all ~~the~~ Storage Partners.

(14) Storage Partners – The Storage Partners are responsible for managing their Storage Allocation ~~to realize water supply and water supply related environmental benefits~~ and for paying their allocated capital, fixed O~~&~~M&R, and variable O~~&~~M&R costs.

WATER STORAGE AND SUPPLY SERVICES CONTRACTS

(15) The Authority will enter into Water Storage and Supply Services Contracts with individual Storage Partners for the use of Project facilities. Each Water Storage and Supply Services Contract will be based on a Storage Partner's Storage Allocation.

WATER RIGHTS AND POINT OF DELIVERY

(16) The Authority will apply for and hold the water right for the Project. In developing the Project and its operations, the Authority will divert water to maximize beneficial use and perfect the water right. The Authority will be responsible for compliance with the terms and conditions in the water right and any other permits, and approvals, and agreements that control the diversion of water to storage for the Project. The Storage Partners will be responsible for using Sites Water within the parameters terms and conditions allowed in the Authority's water right and for timely reporting to providing the Authority with any requested information it may need to comply with necessary for the Authority to complete any required reporting or other requirements. To the extent permitted by applicable law and with the cooperation of the Storage Partners, the Authority will undertake all reasonable measures to manage, control and protect Sites Water, up to the primary or secondary point of delivery, as applicable, including initiating any appropriate enforcement proceedings to prevent unlawful diversion of or interference with Sites Water.

(17) The Authority will manage Sites Water from the points of diversion to the primary point of delivery. The primary point of delivery for each Storage Partner will be Funks Reservoir or the Terminal Regulating Reservoir. For Sites Water delivered to Storage Partners not served by the Tehama-Colusa Canal or the Glenn Colusa Irrigation District's distribution system, the Authority may retain control of Sites Water to a secondary point of delivery, as agreed upon by the Authority and the Storage Partner in the respective Water Storage and Supply Services Contract. The Storage Partners will be responsible for all costs and losses between theafter the primary and secondary point of delivery.

STORAGE OF WATER BY DIVERSION

(18) The Authority will take all actions practicable to maximize the diversion of water into Available Storage consistent with regulatory requirements, physical and operational constraints, and hydrologic conditions. Water diverted will be allocated to each Storage Partner's contractual storage space proportional to its Storage Allocation.[1] If a Storage Partner's Storage Allocation is not available, the available water will be allocated to the remaining Storage Partners who have available Storage Allocation space proportional to their Storage Allocation.

(19) The Authority will establish a process, including schedule, that allows for a Storage Partner to determine the maximum amount of water allocated to the Storage Partner's Storage Allocation each year along with a process to make changes to this amount. A Storage Partner may opt out of having water allocated to their Storage Allocation if they so inform the Authority through the process established by the Authority.

~~(19) If a Storage Partner's Storage Allocation is not available (whether due to that Storage Partner's Storage Allocation being fully utilized, a Storage Partner opting out of filling for the season, or any other reason), the available water will be allocated to the remaining Storage Partners who have available Storage Allocation space. The water will be used to proportionally fill the other Storage Partners' Storage Allocations until all Storage Partners' Storage Allocations are filled up to each Storage Partner's requested amount of fill within that Storage Partner's space.~~

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[1] *For example, if 275,000 acre-feet of water is able to be diverted to Sites Reservoir in any one year, this represents 20% of the total allocated storage space in Sites Reservoir (275,000/1.38 million acre-feet = 20%). In that year, each Storage Partner would receive an amount of water equal to 20% of their Storage Allocation, unless the Storage Partner has opted out of having water allocated to their Storage Allocation or their Storage Allocation is full. This example assumes a 1.5 million acre-foot reservoir with about 120,000 acre-feet allocated to dead pool.*

(20) The diversion of water to storage will take priority over the release of stored water. The diversion of Sites Water to storage will take priority over the diversion of water from other sources to storage.

STORAGE OF WATER FROM OTHER SOURCES

(21) Storage Partners may request that the Authority place water from sources other than Sites Water into storage and allocate that water to their Storage Allocation. ~~These other sources could include among other sources: the re-diversion of previously stored water, water transfers, exchanges between Storage Partners, and exchanges with other entities.~~ The Authority will take all reasonable steps to facilitate these requests, subject to the ~~.~~ Beneficiary Ppays Pprinciples ~~shall will apply~~. Placing water into storage from other sources ~~shall~~ must not negatively impact other Storage Partners, Project operations or financing~~not negatively impact other Storage Partners or negatively impact overall Project operations~~.

(22) If there is a conflict between placing water into storage in Sites Reservoir from other sources of water and the release of water from Sites Reservoir at the same time, the Authority will prioritize diversions but take reasonable measures to accommodate both Storage Partners' requests.

ACCOUNTING FOR LOSSES

(23) Losses of water held in Sites Reservoir storage – including but not limited to evaporation, seepage, and any releases for dam safety or emergency conditions – will be allocated proportionally to each Storage Partner based on the amount of its water in storage.

~~(24) Losses, if any, incurred after the primary point of delivery, including carriage costs through the Sacramento-San Joaquin Delta, are the responsibility of the receiving Storage Partner. Losses, if any, for Storage Partners that divert from the Sacramento River and receive Sites Water by exchange with other entities shall be determined in the applicable exchange agreement and are the responsibility of the receiving Storage Partner.~~

SHARING OR LEASING OF STORAGE ALLOCATION

(24) Storage Partners are allowed to share or lease their Storage Allocation with other Storage Partners or other entities. The terms of sharing or leasing are at the discretion of the Storage Partners who are parties to a storage or lease agreement but must not negatively impact other Storage Partners, Project operations or financing. Any sharing or leasing of Storage Allocation ~~shall~~ must be coordinated with the Authority ~~so that proper Project operations and water accounting can be maintained~~. A Storage Partner may not transfer or assign any of its rights or obligations as part of any sharing or leasing agreement.

SALE OF SITES WATER

(25) Storage Partners are allowed to sell water held in their Storage Allocation to other Storage Partners or other entities. The terms of sales of water held in a Storage Allocation are at the discretion of the Storage Partners who are parties to the sale but must not negatively impact other Storage Partners, Project operations or financing. Any sale of water held in a Storage Allocation ~~shall~~ must be coordinated with the Authority ~~so that proper Project operations and water accounting can be maintained~~. A Storage Partner may not transfer or assign any of its rights or obligations as part of any sale of water. The receiving Storage Partner or other entity must have sufficient available Storage Allocation to store the water or release the water upon purchase.

RELEASES OF WATER FROM STORAGE

(26) To the extent allowed by the Project's permits, approvals and agreements ~~water rights, purpose and place of use, permit requirements~~ and its physical and operational capabilities ~~of the Project~~, Storage Partners have total discretion on the amount of water held in their Storage Allocation that they request to be scheduled for release for their use, and will have control over the use of their Storage Allocation space based on the conditions set forth in ~~this~~ these Principles~~Policy~~.

(27) Each year, the Authority will make a water storage forecast for each Storage Partner. Each Storage Partner will provide the schedule and amounts of the water they wish to be released in that year. The Authority will establish a process, including schedule, that allows for the Storage Partner to make changes to its water schedule and amounts for release throughout the year.

(28) The Authority will work with each Storage Partner, the State Water Project, Central Valley Project, Tehama Colusa Canal Authority, the Glenn Colusa Irrigation District, entities along the Colusa Basin Drain, and regulatory agencies and make all reasonable efforts to satisfy the water release schedules requested by each Storage Partner. If there is a ~~Sites Reservoir~~ release constraint affecting the ability of the Authority to meet the requested water release schedules ~~from Sites Reservoir~~, the Authority will ~~first~~ work with those conflicted Storage Partners to see if accommodations can be made. If the conflict cannot be resolved, releases will be made in proportion to the Storage Allocation attributable to the conflicted Storage Partners.

UNIFORM STANDARDS FOR ALL STORAGE PARTNERS

(29) All Storage Partners~~, including local, State, and Federal partners,~~ are subject to uniform standards in the operation of the Project. Uniform standards include, but are not limited to, priority of diversions, storage, releases, and conveyance of Sites Water through Project facilities and utilization of their respective Storage Allocation ~~in Sites Reservoir~~.

~~OPERATION, MAINTENANCE AND REPLACEMENT~~

~~(31) Operation and Maintenance (O&M) costs will be divided into fixed O&M&R and variable O&M.~~

~~(a) Fixed O&M&R will cover those O&M&R costs that are generally stable from year to year such as monitoring costs, routine maintenance, Authority staff and consulting costs, repair funds, replacement of equipment funds, and similar. They will be allocated to all the Storage Partners in the same manner as the capital costs in accordance with the principles of beneficiary pays.~~

~~(b) Variable O&M costs include pumping costs to divert and convey water into storage, other costs related to the placement of water into storage and the costs, if any, of releasing water from storage. These cost for pumping will be assessed to each Storage Partner based on the amount of water allocated to their Storage Allocation that year and the cost for releases will be assessed based on the amount of water released from their Storage Allocation that year. Variable O&M costs of activities that benefit one or a specific group of Storage Partners, such as pumping water from other sources, including transfers and exchanges, shall will be borne by that Storage Partner(s).~~

~~(32) The allocation of power revenues, if any are generated, is not addressed in this Storage Policy.~~

CONFLICT RESOLUTION

(30) The Authority will develop a conflict resolution mechanism to resolve conflicts that may arise in Project operations. This conflict resolution process will be included in the Water Storage and Supply Services Contract ~~between the Authority and the individual Storage Partner~~.

FUTURE ~~STORAGE POLICY~~ CHANGES

(31) It is anticipated that ~~This Policy~~~~These~~ these Principles ~~will~~ will ~~likely~~ evolve and change as the Project develops and as permits, approvals, and ~~Project~~ agreements are obtained and executed. These Principles ~~This Policy~~ may be modified in the future by the Authority.

DATE

~~August 26, 2019~~_____, 2021

2021 Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water
Tracking List of Items Removed from the 2019 Storage Policy to be Addressed in Other Documents

Table 1 list the key items removed from the 2019 Storage Policy along with the document in which they will ultimately be included.

Table 1. Key Items Removed from 2019 Storage Policy and Document Item will be Move To

Item	Document that Item will be Moved To
Specifics on the agreement between Storage Partners and the Authority	Water Supply and Storage Services Contract
Specifics on payment for leasing storage to other entities (either Sites Storage Partners or others)	Water Supply and Storage Services Contract
Specifics on the annual scheduling of releases from the reservoir	Operations Plan
Specifics on the method of determining losses from storage and conveyance	Operations Plan
Detailed breakdown of reservoir storage and dead pool	Operations Plan
Details of water rights parameters	Water Rights Application and Permit
Differentiation of roles and responsibilities of the Reservoir Committee and the Authority Board during project operations	Future changes to governance documents and operating bylaws
Responsibilities for costs after the primary point of delivery	Plan of Finance
Details of operations, maintenance and replacement cost categories and responsibilities for these costs	Plan of Finance

January

- Initial requests for Sites water provided by participants for delivery or transfer
- Coordination with GCID and TCCA on diversions

February

- Coordination with GCID and TCCA on diversions
- Final requests for Sites water releases before transfer window (further requests accommodated when possible)

March

- Sites begins releasing water for DWR and Reclamation exchanges
- Coordination with GCID and TCCA on diversions
- Coordination with CDFW on Prop 1 water deliveries
- Some releases for NOD use

April

- Final requests for Sites water releases to SOD (further requests accommodated when possible)
- Releases for NOD purposes
- Coordination with CDFW on Prop 1 water deliveries

May

- SOD participants notify DWR of final Sites requests for season
- Peak release month for exchange water
- Releases for NOD purposes
- Prop 1 water schedule finalized with CDFW

June

- Peak month for water backed into Oroville and Shasta
- Releases for NOD use
- Carriage water costs determined (proposed)

Primary Diversion Months

Exchanges with USBR and DWR

Transfer Window (SOD Deliveries)

July

- Transfer window opens, SOD deliveries begin
- Water exchanged into Shasta and Oroville begins to release
- Key month: Coordination with TCCA, CBD, DWR on releases to river
- Coordination with Reclamation and DWR on exports
- Releases for NOD use

August

- Exports for SOD use
- Yolo Bypass Prop 1 deliveries
- Key month: Coordination with TCCA, CBD, DWR on releases to river
- Coordination with Reclamation and DWR on exports
- Releases for NOD use

September

- Exports for SOD use
- Key month: Coordination with TCCA, CBD, DWR on releases to river
- Yolo Bypass Prop 1 deliveries
- Coordination with Reclamation and DWR on exports
- Releases for NOD use

October

- Exports for SOD use
- Continued coordination with TCCA, CBD, DWR, Reclamation on releases and deliveries
- Releases for NOD use

November

- Last month for SOD exports
- Coordination with GCID and TCCA on diversions
- Releases for NOD use

December

- Coordination with GCID and TCCA on diversions

From: Anthony Saracino [anthony@asaracino.com]
Sent: 11/11/2021 3:56:03 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]
Subject: RE: Diversion data

Thanks Ali, this is very helpful. Great talking to you and I look forward to future discussions.

Cheers,

Anthony M. Saracino
www.asaracino.com
916-952-8573
On Nov 11, 2021, 2:11 PM -0800, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

Hi Anthony – Thanks for the great discussion today. Attached are the following:

1. Storage Principles. This was approved by our Board of Directors and helps to frame up for all members, including the State, how they can utilize their storage asset.
2. Water Order and Delivery Schedule – This is still very early in the process, but we are starting to frame up the water order and delivery schedule. We've shared the attached graphic with our members to get a sense of if this timing will work for them. They are generally okay with this and we expect this to be in our upcoming Operations Plan V1.0 that will be completed later this calendar year. We expect to add more detail to this next year as we develop the next version of the Operations Plan.

Let me know if you have any questions on these.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Alicia Forsythe
Sent: Thursday, November 11, 2021 10:56 AM
To: Anthony Saracino <anthony@asaracino.com>; Jerry Brown <jbrown@sitesproject.org>
Subject: RE: Diversion data

Hi Anthony – It took us a few more days to work out some glitches in posting. The RDEIR/SDEIS is up on our website here: Environmental Review - Sites Reservoir (sitesproject.org).

It will notice tomorrow in the Federal Register along with the State noticing.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Friday, November 5, 2021 10:14 AM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: RE: Diversion data

Good morning and happy Friday,

Did I understand correctly that you were releasing the updated report today? If so, is there a link? Not seeing it on your website.

Cheers,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 19, 2021, 12:39 PM -0700, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

> Anthony – The graph is showing the amount of water in storage in Sites Reservoir dedicated to the Proposition 1 benefits. Based on our current analysis, we expect to dedicate 244 TAF of storage space to the Proposition 1 benefits to be managed flexibility by the State.
>
> The graph is based on output from our CALSIM II modeling and is showing the utilization of that storage space based on the Project's diversion criteria (and the Prop 1 account getting a proportional share of diversions into the reservoir) and a set of release assumptions (how the Prop 1 water would be used). The two different lines show the differences assuming 2030 and 2070 future climate conditions (the assumptions for these future climates conditions for the CALSIM modeling were prescribed by the Water Commission).
>
> This graphic has not been released publicly in any of our documents but the back up data for it will be released in our upcoming State Feasibility Report.

Hope this helps.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Saturday, October 16, 2021 3:22 PM
To: Jerry Brown <jbrown@sitesproject.org>
Cc: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: Diversion data

Thanks Jerry. What document is this graph from and is it referencing storage space or actual environmental water in storage?

Look forward to our discussion.

Cheers,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 16, 2021, 7:32 AM -0700, Jerry Brown <jbrown@sitesproject.org>, wrote:

> Anthony – I wanted to chime in on something here. I think an important element of the contribution of the project gets lost in the "averages". I've circled in red on the attached 82 yr hydrology plot (with climate change) the drier periods which shows up to 250 taf available as stored water for environmental purposes. This seems to me to be a significant amount of water in times where its badly needed.
>
> I'm reminded of the adage – I put one hand in the oven and I put other in the freezer but on average I don't feel anything.
>
> I look forward to our meeting Oct 26 where we can discuss further.
>
> Jerry

From: Alicia Forsythe <aforsythe@sitesproject.org>
Date: Thursday, October 7, 2021 at 10:34 AM
To: Anthony Saracino <anthony@asaracino.com>
Cc: Jerry Brown <jbrown@sitesproject.org>
Subject: Diversion data

Anthony – Thanks again for your patience on this. Attached is a document that summarizes the Project's Proposition 1 benefits and provides a summary table of ecosystem benefits by water year type. Note that the water year type estimates for the refuge deliveries are deliveries at the refuge boundaries – so there is more Prop 1 water but some is removed for transportation losses. The same is true for the Yolo Bypass water, but there are minimal losses for this use.

It is important to note that the Federal Feasibility Report identified the opportunities for Reclamation's investment in the Project. Right now Reclamations investment is modelled as "op flex" – meeting CVP obligations, including environmental and contractual obligations. Op Flex is relatively new "use" in Feasibility Studies – previously, feasibility reports focused on specific environmental benefits for the Reclamation investment. We do see the possibility for Reclamation to dedicate its water to environmental purposes, such as additional IL4 Refuge Water Supply, anadromous fish benefits, delta outflow, etc., increasing the overall ecosystem benefits of the project beyond those current planned under Proposition 1.

In regard to diversion criteria, the Preliminary Project Description posted on the Authority's website provides quite a bit of detail on diversion criteria. I recently took a look at this and its generally all still applicable and relevant. However, one notable change is that we have added a mitigation measure into the Aquatics Resources Chapter (fisheries chapter) that includes a Wilkins Slough Bypass Flow of 10,700 cfs March through May. This is not reflected in the Preliminary Project Description but will be in the Revised Draft EIR/Supplemental Draft EIS when its released in mid-November. The Preliminary Project Description is here: Informational Materials - Sites Reservoir (sitesproject.org). Clink on the Fact Sheets and Documents tab. See the discussion starting on page 2-68 or page 73 of the PDF file.

Hope this information helps. Happy to answer any questions.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Jerry Brown <jbrown@sitesproject.org>
Sent: Wednesday, October 6, 2021 12:45 PM

To: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: Diversion data

Can I look at these before you send to Anthony?

Sent from my iPhone

On Oct 6, 2021, at 11:54 AM, Alicia Forsythe <aforsythe@sitesproject.org> wrote:

Sounds good. I am working on both of these and should have them to you later today or early tomorrow. Apologies for the delay and thank you for the reminder!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Wednesday, October 6, 2021 11:50 AM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: RE: Diversion data

Yes, sorry for my lack of clarity. In addition to the description and quantities of Prop. 1 water, it would be good to get a summary of the latest on diversion criteria since it seems some of our eco colleagues are a bit focused on that… I don't need to get into the weeds on diversion criteria, but anything you have that could be easily transmitted would be great.

Thanks again,

Anthony M. Saracino

www.asaracino.com

916-952-8573

On Oct 6, 2021, 11:45 AM -0700, Alicia Forsythe <aforsythe@sitesproject.org>, wrote:

> Apologies Anthony. I had in my notes that we were going to send you a description and quantities for the Prop 1 water. Your email below says "diversion information". Is this referring to diversion criteria? Just want to make sure that I am getting you the correct info.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Anthony Saracino <anthony@asaracino.com>
Sent: Tuesday, October 5, 2021 4:20 PM
To: Jerry Brown <jbrown@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Diversion data

Hi guys,

Were you still planning on sending the diversion information? I'm starting to get asked questions about it and it would be helpful to come up to speed.

Cheers,

Anthony M. Saracino
www.asaracino.com
916-952-8573

From: Navarro, Lisa M [LNavarro@usbr.gov]
Sent: 11/12/2021 1:14:06 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]; Kevin Spesert [kspesert@sitesproject.org]; Kim Floyd [kim@floydcommunications.com]
CC: King, Vanessa M [vking@usbr.gov]; Dekar, Melissa D [mdekar@usbr.gov]
Subject: FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project
Attachments: CGB-21-079 Reclamation and Sites Project Authority release environmental docs_announce public meetings.pdf

Hi all,
Apologies for the delay in sending you the confirmation. The news release was distributed to the media at 11:33 a.m. I had/am having some technical difficulties with Reclamation's Newsroom (the link to our NEPA page keeps changing the link and it doesn't work in the body of the news release), so I added it as a URL at the bottom, which works. The Reclamation link to the media works. Here's the link to the our region's News and Multimedia page: https://www.usbr.gov/newsroom/#/news-release/4034. Hopefully it will be corrected soon. The tweet also went out.

The attached and embedded news release, "Reclamation and Sites Project Authority roll out environmental documents and announce public meetings for new water storage project," was released today, Friday, Nov. 12.

Thank you,
Lisa

Lisa Navarro
Public Affairs Specialist
Bureau of Reclamation
Interior Region 10: California-Great Basin
916-978-5111
lnavarro@usbr.gov

BUREAU OF RECLAMATION

Sites NEWS RELEASE

For Release: Nov. 12, 2021

Contact: Mary Lee Knecht, Bureau of Reclamation, 916-978-5100, mknecht@usbr.gov
Sara Katz, Sites Project Authority, 619-813-9551, skatz@katzandassociates.com

Reclamation and Sites Project Authority roll out environmental documents and announce public meetings for new water storage project

SACRAMENTO, Calif. – As part of a continuing effort to increase resiliency and operational flexibility throughout California, the Bureau of Reclamation and Sites Project Authority today released the Sites Reservoir revised/supplemental draft environmental documents, beginning a 60-day public comment period for the proposed project. Also known as the North of Delta Offstream Storage project, Reclamation and the Sites Project Authority have been investigating building a 1.3-to-1.5-million-acre-foot reservoir in rural Colusa and Glenn counties in Northern California.

Sites Reservoir is a proposed multi-benefit, off-stream water storage facility. The project will be designed to capture and store storm water and flood flows from the Sacramento River, after all other water rights and regulatory requirements are met. Water will be banked for release primarily in drier years, such as 2021.

"We are pleased to partner with Sites Project Authority on this unique off-stream storage project to create much needed water storage in California," **said Reclamation Regional Director Ernest Conant**. "The multi-beneficial Sites Reservoir would provide operational flexibility and more reliable water delivery to benefit California farms, communities, and the environment."

Two virtual public meetings have been scheduled to review the proposed alternatives and accept public comments:

- Wednesday, Dec. 15, 6-8 p.m., Zoom webinar, https://sitesproject.org/environmental-review/
- Thursday, Dec. 16, 9-11 a.m., Zoom webinar, https://sitesproject.org/environmental-review/

The public review and comment period will extend to Jan. 11, 2022. The Sites Reservoir Project Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement is available at https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024 or https://sitesproject.org/resources/environmental-review/. Written comments must be received by close of business Tuesday, Jan. 11, 2022, and may be received at the virtual meetings, emailed to EIR-EIS-Comments@SitesProject.org; mailed to Sites Project Authority, P.O. Box 517, Maxwell, CA 95955, or Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825.

"We've been working diligently and thoughtfully during the past year to develop and refine a proposed water storage project that meets the needs of people and farms, while providing maximum benefit to the environment," said **Fritz Durst, chair of the Sites Project Authority**. "And there is no time like the present, in a year when we are experiencing relentless drought, for us to advance a reservoir project that will make us more resilient in the face of harsh, dry conditions."

A significant portion of Sites Reservoir's annual water supplies will be dedicated to environmental uses, such as improving conditions for Delta smelt; helping preserve cold-water pool in Shasta Reservoir later into the summer months to support salmon development, spawning, and rearing; and improving Pacific Flyway habitat for migratory birds and other native species.

For questions about the Sites Reservoir project or meetings, contact Alicia Forsythe, Sites Project Authority, at 916-880-0676, aforsythe@sitesproject.org, or Vanessa King, Reclamation, at 916-978-5077, vking@usbr.gov.

Learn more about the project at https://www.usbr.gov/mp/nodos/ and https://sitesproject.org/.

# # #

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Sites is an off-stream reservoir proposed north of the Sacramento-San Joaquin Delta, where it would provide much-needed water supply and environmental benefits during dry and critical water years, and especially during extended drought periods. Additional information can be found at www.sitesproject.org, or on Facebook and Twitter at @SitesProject.

BUREAU OF RECLAMATION

Sites NEWS RELEASE

For Release: Nov. 12, 2021

Contact: Mary Lee Knecht, Bureau of Reclamation, 916-978-5100, mknecht@usbr.gov
Sara Katz, Sites Project Authority, 619-813-9551, skatz@katzandassociates.com

Reclamation and Sites Project Authority roll out environmental documents and announce public meetings for new water storage project

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# # #

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From: Kim Floyd [kim@floydcommunications.com]
Sent: 11/12/2021 1:18:04 PM
To: Navarro, Lisa M [LNavarro@usbr.gov]; Alicia Forsythe [aforsythe@sitesproject.org]; Kevin Spesert [kspesert@sitesproject.org]
CC: King, Vanessa M [vking@usbr.gov]; Dekar, Melissa D [mdekar@usbr.gov]
Subject: RE: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

Thank you, Lisa!

Kim

From: Navarro, Lisa M <LNavarro@usbr.gov>
Sent: Friday, November 12, 2021 1:14 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Kevin Spesert <kspesert@sitesproject.org>; Kim Floyd <kim@floydcommunications.com>
Cc: King, Vanessa M <vking@usbr.gov>; Dekar, Melissa D <mdekar@usbr.gov>
Subject: FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

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Lisa Navarro
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Interior Region 10: California-Great Basin
916-978-5111
lnavarro@usbr.gov

For Release: Nov. 12, 2021

Contact: Mary Lee Knecht, Bureau of Reclamation, 916-978-5100, mknecht@usbr.gov
Sara Katz, Sites Project Authority, 619-813-9551, skatz@katzandassociates.com

Reclamation and Sites Project Authority roll out environmental documents and announce public meetings for new water storage project

SACRAMENTO, Calif. – As part of a continuing effort to increase resiliency and operational flexibility throughout California, the Bureau of Reclamation and Sites Project Authority today released the Sites Reservoir revised/supplemental draft environmental documents, beginning a 60-day public comment period for the proposed project. Also known as the North of Delta Offstream Storage project, Reclamation and the Sites Project Authority have been investigating building a 1.3-to-1.5-million-acre-foot reservoir in rural Colusa and Glenn counties in Northern California.

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Learn more about the project at https://www.usbr.gov/mp/nodos/ and https://sitesproject.org/.

# # #

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From: Kim Floyd [kim@floydcommunications.com]
Sent: 11/12/2021 1:19:46 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]; Laurie Warner Herson [laurie.warner.herson@phenixenv.com]; Linda Fisher [linda.fisher@hdrinc.com]; Taylor Davies [tdavies@sitesproject.org]; Emily Fan Michaelson [emichaelson@katzandassociates.com]; LNavarro@usbr.gov; Kevin Spesert [kspesert@sitesproject.org]; King, Vanessa M [vking@usbr.gov]; Dekar, Melissa D [mdekar@usbr.gov]
Subject: RE: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

Thank you, All!!

Kim

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Sent: Friday, November 12, 2021 1:18 PM
To: Laurie Warner Herson <laurie.warner.herson@phenixenv.com>; Linda Fisher (linda.fisher@hdrinc.com) <linda.fisher@hdrinc.com>; Taylor Davies <tdavies@sitesproject.org>; Kim Floyd <kim@floydcommunications.com>; Emily Fan Michaelson <emichaelson@katzandassociates.com>; LNavarro@usbr.gov; Kevin Spesert <kspesert@sitesproject.org>; King, Vanessa M <vking@usbr.gov>; Dekar, Melissa D (mdekar@usbr.gov) <mdekar@usbr.gov>
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Lisa Navarro
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To: Laurie Warner Herson [laurie.warner.herson@phenixenv.com]; Alicia Forsythe [aforsythe@sitesproject.org]; Linda Fisher (linda.fisher@hdrinc.com) [linda.fisher@hdrinc.com]; Taylor Davies [tdavies@sitesproject.org]; Kim Floyd [kim@floydcommunications.com]; LNavarro@usbr.gov; Kevin Spesert [kspesert@sitesproject.org]; King, Vanessa M [vking@usbr.gov]; Dekar, Melissa D (mdekar@usbr.gov) [mdekar@usbr.gov]
Subject: RE: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

That's great! Thanks for letting us know!

K&A
KATZ & ASSOCIATES
Emily Fan Michaelson
Senior Account Supervisor
d: 858.926.4019 · o: 858.452.0031
San Diego · Los Angeles · San Francisco

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BUREAU OF RECLAMATION

Sites NEWS RELEASE

For Release: Nov. 12, 2021

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From: Sites Project [info@sitesproject.org]
Sent: 11/12/2021 4:40:02 PM
To: Sites Project [info@sitesproject.org]
BCC: linda.fisher@hdrinc.com; Sarah Rossetto [srossetto@katzandassociates.com]; emichaelson@katzandassociates.com; kim@floydcommunications.com; Alicia Forsythe [aforsythe@sitesproject.org]; laurie.warner.herson@phenixenv.com; daniel_welsh@fws.gov; aondrea_bartoo@fws.gov; lauren_sullivan@fws.gov; matthew.j.roberts@usace.army.mil; nancy.a.haley@usace.army.mil; Evan.Sawyer@noaa.gov; cathy.marcinkevage@noaa.gov; allison.lane@noaa.gov; page.vick@noaa.gov; jean.castillo@noaa.gov; mdekar@usbr.gov; vking@usbr.gov; shunt@usbr.gov; Danson@WAPA.gov; Christopher.Chaney@ferc.gov; kelly.houff@ferc.gov; kim.nguyen@ferc.gov
Subject: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement
Attachments: Sites Reservoir Project - RDEIR-SDEIS NOA 11122021.pdf

Dear Interested Party,

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We value your input and appreciate your participation in this process. If you have any questions, please contact Alicia Forsythe, Sites Project Authority, at 530-438-2309 or aforsythe@sitesproject.org.

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Sent: 11/12/2021 4:40:27 PM
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Sent: 11/12/2021 4:40:49 PM
To: Sites Project [info@sitesproject.org]
BCC: Alicia Forsythe [aforsythe@sitesproject.org]; linda.fisher@hdrinc.com; laurie.warner.herson@phenixenv.com; Sarah Rossetto [srossetto@katzandassociates.com]; kim@floydcommunications.com; emichaelson@katzandassociates.com; allen@buttecreek.org; ajcreeksong@gmail.com; afrancoi@berkeley.edu; eamclean@gmail.com; bmcconachie@mac.com; BrianT@CSUFresno.edu; brien.b.b@gmail.com; brittany@appsphotography.com; bryanshadden@yahoo.com; carolinatchison@hotmail.com; cjburk@comcast.net; csstaton@gmail.com; chucksei.public@gmail.com; caleenwintu@gmail.com; blancapaloma@msn.com; cthomason@deltacouncil.ca.gov; scubapiratesurfer@rocketmail.com; cris@crisbarsanti.com; Christopher.Huitt@slc.ca.gov; fogarty830@aol.com; dlshurz@sbcglobal.net; dsilverla@me.com; farside2020@earthlink.net; winkdan@hotmail.com; dgeisser@sbcglobal.net; cataraft_2000@yahoo.com; ctrarcht@nccn.net; adknick@comcast.net; dberezonsky@gmail.com; downriverdennis@yahoo.com; dianelivia@sbcglobal.net; boutin@goldrush.com; donaldblairbartlett@yahoo.com; dcmflying2@charter.net; DonnaCarrMD@aol.com; dobegi@nrdc.org; dbhart2001@yahoo.com; drboylan@outlook.com; dup.crosson@gmail.com; leeseve@aol.com; elyceklein@gmail.com; epolcene@juno.com; kantor@digitalpath.net; au760@lafn.org; F2JP@aol.com; Fredrinne@yahoo.com; gandi88@hotmail.com; gary@savethecolorado.org; grtrapp@comcast.net; gfoster102@sbcglobal.net; gdedekian@mac.com; hcsloane@earthlink.net; heinrich.albert@outlook.com; imirdad@gmail.com; jimb@aqualliance.net; jami_rains@hotmail.com; happykampas@cruzio.com; rio42727@yahoo.com; rainglo@msn.com; lafayette@telis.org; friendsoftheriver@almery.com; wardsoutdoors@gmail.com; jimprola@yahoo.com; livingstonjohn@att.net; johnmsimpkin3@gmail.com; jcollas@ix.netcom.com; judy@leapfrogproductions.com; jhmcKee021849@yahoo.com; klewis@jimbabwe.com; kevinbran@yahoo.com; UrquhartK@aol.com; kirsten.holmquist@comcast.net; ksantucci@richterag.com; Laura.Miller@slc.ca.gov; Scott.Frazier@waterboards.ca.gov; Lfactotum@aol.com; waterforwildlifeca@gmail.com; lisab32@gmail.com; gardnerjaqua@gmail.com; lydiaj.jps@gmail.com; lynster82@yahoo.com; malgaff@gmail.com; margotlowe1@gmail.com; mariebrennanart@gmail.com; frannysf@mindspring.com; kattysinc@gmail.com; Mmuchowski@EarthLink.net; mattwhenry@gmail.com; enhanceress1@frontier.com; snme48@gmail.com; michael@digitalpath.net; michael.taaffe@us.af.mil; mt_trout@hotmail.com; nancyheck1@aol.com; nmccune@wildblue.net; nealbiggart@mac.com; nburnham@ymail.com; pamela@buttecreek.org; nedlud4@dslextreme.com; widdershins3@gmail.com; pmputerbaugh@yahoo.com; auriga@sbcglobal.net; stormdragon71@netscape.net; rayrodney@comcast.net; r.andrade218@gmail.com; ritschi999@web.de; rmont@ucsc.edu; robertnferro@yahoo.com; bobcush2@yahoo.com; rplinet@pacbell.net; kanakamakua108@gmail.com; aspark@surewest.net; robindurston@comcast.net; rafh@comcast.net; RossS.Heckmann@gmail.com; slkasper1@hotmail.com; scott.amundson@gmail.com; sharon.azzimonti@Waterboards.ca.gov; Shaundra.Cashdollar@Wildlife.ca.gov; backlunds@att.net; antalocy@csus.edu; shughess123@sbcglobal.net; stephenbohac56@gmail.com; stevemenicucci@hotmail.com; h2odog0316@yahoo.com; nassella@outlook.com; taylor@wildrogue.com; teo@cheesemans.com; tia@anlf.com; coulehan1@gmail.com; tdraganlaw@aol.com; janemarie19@gmail.com; caloosa1928@gmail.com; Kyle.Stoner@wildlife.ca.gov; tlicerio@citilink.net; urs@succeed.net; vbarajas801@gmail.com; virginiawatson5@gmail.com; Wang@moip-connect.cn; briess@lmi.net; Kyle.Stoner@wildlife.ca.gov; Scott.Frazier@waterboards.ca.gov; Christopher.Huitt@slc.ca.gov; noah@ifrfish.org; lucas@sacrivertrust.org; rioamigo@comcast.net
Subject: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement
Attachments: Sites Reservoir Project - RDEIR-SDEIS NOA 11122021.pdf

Dear Interested Party,

In August 2017, the Sites Project Authority (Authority) and Bureau of Reclamation (Reclamation) jointly issued a Draft Environmental Impact Report/Environmental Impact Statement (2017 Draft EIR/EIS) for the Sites Reservoir Project (Project). As a result of changes to the Project and in compliance with State and Federal regulations, the Authority and Reclamation have released a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS). Consistent with the California Environmental Quality Act (CEQA), the RDEIR/SDEIS is being recirculated for public review and comment. The RDEIR/SDEIS includes a complete revision of the 2017 Draft EIR/EIS analysis and describes the

environmental effects and mitigation measures related to construction and operation of the Sites Reservoir Project.

The attached Notice of Availability provides a brief description of the Project and details related to the RDEIR/SDEIS public review period, including how to comment and the various ways to access the draft environmental documents. The RDEIR/SDEIS is also accessible from the following websites:
https://sitesproject.org/environmental-review
https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024

Public participation is essential to the environmental review process and important for development of the Sites Reservoir Project. Release of the RDEIR/SDEIS starts a 60-day public review and comment period. **Comments should be received by 5 p.m. PST, January 11, 2022**, via email at EIR-EIS-Comments@SitesProject.org or via U.S. Mail to either: Sites Project Authority, P.O. Box 517, Maxwell, CA 95955; or, U.S. Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825.

Two virtual public meetings will be held to provide information and an opportunity to learn more about the Sites Project and submit comments on the draft environmental analyses. These meetings will be held:

- **December 15, 2021** from 6 p.m. to 8 p.m.
- **December 16, 2021** from 9 a.m. to 11 a.m.

Virtual meeting instructions and other information will be provided in the coming weeks online at https://www.sitesproject.org/environmental-review/.

We value your input and appreciate your participation in this process. If you have any questions, please contact Alicia Forsythe, Sites Project Authority, at 530-438-2309 or aforsythe@sitesproject.org.

From: Navarro, Lisa M [LNavarro@usbr.gov]
Sent: 11/12/2021 4:44:21 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]
Subject: Re: [EXTERNAL] FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

Thanks, Ali!

FYI, I tried for hours to fix it but had to give up. I talked with someone in Denver who apologized and said they've been having issues with URLs posting correctly since this new Newsroom platform was rolled out last March. I think they are getting closer to getting it resolved and he tried helping me with some workarounds to no avail. Thank goodness all the other links and emails work! Hopefully folks will scroll all the way down to access the correct NEPA link.

It's always something! Ugh.

Hope you have a great weekend as well! It's almost time for wine ☺🍷

Thanks for everything,
Lisa

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Friday, November 12, 2021 1:28 PM
To: Navarro, Lisa M <LNavarro@usbr.gov>
Subject: RE: [EXTERNAL] FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

I know. We're actually having some of the files not open on the Authority's website and working through that. It seems like it's always something!

I hope you have a fantastic weekend!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Navarro, Lisa M <LNavarro@usbr.gov>
Sent: Friday, November 12, 2021 1:23 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: [EXTERNAL] FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

So stressful! Lol

Hopefully there will be no other issues!

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Friday, November 12, 2021 1:17 PM
To: Laurie Warner Herson <laurie.warner.herson@phenixenv.com>; Linda Fisher (linda.fisher@hdrinc.com) <linda.fisher@hdrinc.com>; Taylor Davies <tdavies@sitesproject.org>; Kim Floyd <kim@floydcommunications.com>; Emily Fan Michaelson <emichaelson@katzandassociates.com>; Navarro, Lisa M <LNavarro@usbr.gov>; Kevin Spesert <kspesert@sitesproject.org>; King, Vanessa M <vking@usbr.gov>; Dekar, Melissa D <mdekar@usbr.gov>
Subject: [EXTERNAL] FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Thanks Lisa!

Katz team – you have a green light to go with and all other noticing.

YAHHHHHHHHHHH!!!! This is so beyond awesome!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Navarro, Lisa M <LNavarro@usbr.gov>
Sent: Friday, November 12, 2021 1:14 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Kevin Spesert <kspesert@sitesproject.org>; Kim Floyd <kim@floydcommunications.com>
Cc: King, Vanessa M <vking@usbr.gov>; Dekar, Melissa D <mdekar@usbr.gov>
Subject: FW: NEWS: Reclamation & Sites Project Authority roll out environmental docs & announce public meetings for new water storage project

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Hi all,
Apologies for the delay in sending you the confirmation. The news release was distributed to the media at 11:33 a.m. I had/am having some technical difficulties with Reclamation's Newsroom (the link to our NEPA page keeps changing the link and it doesn't work in the body of the news release), so I added it as a URL at the bottom, which works. The Reclamation link to the media works. Here's the link to the our region's News and Multimedia page: https://www.usbr.gov/newsroom/#/news-release/4034. Hopefully it will be corrected soon. The tweet also went out.

The attached and embedded news release, "Reclamation and Sites Project Authority roll out environmental documents and announce public meetings for new water storage project," was released today, Friday, Nov. 12.

Thank you,
Lisa

Lisa Navarro
Public Affairs Specialist
Bureau of Reclamation
Interior Region 10: California-Great Basin
916-978-5111
lnavarro@usbr.gov

BUREAU OF RECLAMATION

Sites NEWS RELEASE

For Release: Nov. 12, 2021
Contact: Mary Lee Knecht, Bureau of Reclamation, 916-978-5100, mknecht@usbr.gov
Sara Katz, Sites Project Authority, 619-813-9551, skatz@katzandassociates.com

Reclamation and Sites Project Authority roll out environmental documents and announce public meetings for new water storage project

SACRAMENTO, Calif. – As part of a continuing effort to increase resiliency and operational flexibility throughout California, the Bureau of Reclamation and Sites Project Authority today released the Sites Reservoir revised/supplemental draft environmental documents, beginning a 60-day public comment period for the proposed project. Also known as the North of Delta Offstream Storage project, Reclamation and the Sites Project Authority have been investigating building a 1.3-to-1.5-million-acre-foot reservoir in rural Colusa and Glenn counties in Northern California.

Sites Reservoir is a proposed multi-benefit, off-stream water storage facility. The project will be designed to capture and store storm water and flood flows from the Sacramento River, after all other water rights and regulatory requirements are met. Water will be banked for release primarily in drier years, such as 2021.

"We are pleased to partner with Sites Project Authority on this unique off-stream storage project to create much needed water storage in California," **said Reclamation Regional Director Ernest Conant**. "The multi-beneficial Sites Reservoir would provide operational flexibility and more reliable water delivery to benefit California farms, communities, and the environment."

Two virtual public meetings have been scheduled to review the proposed alternatives and accept public comments:

- Wednesday, Dec. 15, 6-8 p.m., Zoom webinar, https://sitesproject.org/environmental-review/
- Thursday, Dec. 16, 9-11 a.m., Zoom webinar, https://sitesproject.org/environmental-review/

The public review and comment period will extend to Jan. 11, 2022. The Sites Reservoir Project Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement is available at https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024 or https://sitesproject.org/resources/environmental-review/. Written comments must be received by close of business Tuesday, Jan. 11, 2022, and may be received at the virtual meetings, emailed to EIR-EIS-Comments@SitesProject.org; mailed to Sites Project Authority, P.O. Box 517, Maxwell, CA 95955, or Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825.

"We've been working diligently and thoughtfully during the past year to develop and refine a proposed water storage project that meets the needs of people and farms, while providing maximum benefit to the environment," said **Fritz Durst, chair of the Sites Project Authority**. "And there is no time like the present, in a year when we are experiencing relentless drought, for us to advance a reservoir project that will make us more resilient in the face of harsh, dry conditions."

A significant portion of Sites Reservoir's annual water supplies will be dedicated to environmental uses, such as improving conditions for Delta smelt; helping preserve cold-water pool in Shasta Reservoir later into the summer months to support salmon development, spawning, and rearing; and improving Pacific Flyway habitat for migratory birds and other native species.

For questions about the Sites Reservoir project or meetings, contact Alicia Forsythe, Sites Project Authority, at 916-880-0676, aforsythe@sitesproject.org, or Vanessa King, Reclamation, at 916-978-5077, vking@usbr.gov.

Learn more about the project at https://www.usbr.gov/mp/nodos/ and https://sitesproject.org/.

# # #

The Bureau of Reclamation is a federal agency under the U.S. Department of the Interior and is the nation's largest wholesale water supplier and second largest producer of hydroelectric power. Our facilities also provide substantial flood control, recreation opportunities, and environmental benefits. Visit our website at www.usbr.gov and follow us on Twitter @USBR & @ReclamationCVP; Facebook @bureau.of.reclamation; LinkedIn @Bureau of Reclamation; Instagram @bureau_of_reclamation; and YouTube @reclamation.

Sites is an off-stream reservoir proposed north of the Sacramento-San Joaquin Delta, where it would provide much-needed water supply and environmental benefits during dry and critical water years, and especially during extended drought periods. Additional information can be found at www.sitesproject.org, or on Facebook and Twitter at @SitesProject.

From: Sites Project [info@sitesproject.org]
Sent: 11/12/2021 4:44:42 PM
To: Sites Project [info@sitesproject.org]
BCC: Alicia Forsythe [aforsythe@sitesproject.org]; linda.fisher@hdrinc.com; laurie.warner.herson@phenixenv.com; kim@floydcommunications.com; emichaelson@katzandassociates.com; Sarah Rossetto [srossetto@katzandassociates.com]; dramirez@mechoopda-nsn.gov; mit@mechoopda-nsn.gov; cicc@colusa-nsn.gov; ronaldkirk1963@gmail.com; office@paskenta.org; fsteele@berrycreekrancheria.com; info@enterpriserancheria.org; lwinner@mooretown.org; Wintu.tribe1@gmail.com; charlie.wright@kdwn.org; aroberts@yochadehe-nsn.gov; LBill@yochadehe-nsn.gov; hoopa.receptionist@gmail.com; information@reddingrancheria-msn.gov; admin@konkow.org; admin@konkow.org; sara@ionemiwok.net; rcuellar@ssband.org; tribalchairperson@ssband.org; bguth@auburnrancheria.com; tribaloffice@wiltonrancheria-nsn.gov; jjames@yuroktribe.nsn.us; fmyers@yuroktribe.nsn.us
Subject: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement
Attachments: Sites Reservoir Project - RDEIR-SDEIS NOA 11122021.pdf

Dear Interested Party,

In August 2017, the Sites Project Authority (Authority) and Bureau of Reclamation (Reclamation) jointly issued a Draft Environmental Impact Report/Environmental Impact Statement (2017 Draft EIR/EIS) for the Sites Reservoir Project (Project). As a result of changes to the Project and in compliance with State and Federal regulations, the Authority and Reclamation have released a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS). Consistent with the California Environmental Quality Act (CEQA), the RDEIR/SDEIS is being recirculated for public review and comment. The RDEIR/SDEIS includes a complete revision of the 2017 Draft EIR/EIS analysis and describes the environmental effects and mitigation measures related to construction and operation of the Sites Reservoir Project.

The attached Notice of Availability provides a brief description of the Project and details related to the RDEIR/SDEIS public review period, including how to comment and the various ways to access the draft environmental documents. The RDEIR/SDEIS is also accessible from the following websites:
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https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024

Public participation is essential to the environmental review process and important for development of the Sites Reservoir Project. Release of the RDEIR/SDEIS starts a 60-day public review and comment period. **Comments should be received by 5 p.m. PST, January 11, 2022**, via email at EIR-EIS-Comments@SitesProject.org or via U.S. Mail to either: Sites Project Authority, P.O. Box 517, Maxwell, CA 95955; or, U.S. Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825.

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- **December 15, 2021** from 6 p.m. to 8 p.m.
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Virtual meeting instructions and other information will be provided in the coming weeks online at https://www.sitesproject.org/environmental-review/.

We value your input and appreciate your participation in this process. If you have any questions, please contact Alicia Forsythe, Sites Project Authority, at 530-438-2309 or aforsythe@sitesproject.org.

From: Sites Project [info@sitesproject.org]
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To: Sites Project [info@sitesproject.org]
BCC: Alicia Forsythe [aforsythe@sitesproject.org]; kim@floydcommunications.com; laurie.warner.herson@phenixenv.com; emichaelson@katzandassociates.com; Sarah Rossetto [srossetto@katzandassociates.com]; linda.fisher@hdrinc.com; barbarav@aqualliance.net; jimb@aqualliance.net; bobker@bay.org; greg@bayecotarium.org; natalie.carter@becnet.org; don_hankins@sbcglobal.net; holstein@cal.net; cshutes@calsport.org; deltakeep@me.com; caroleekrieger7@gmail.com; info@calwild.org; sevans@calwild.org; cmorrill@calwild.org; jrose@biologicaldiversity.org; atwood@biologicaldiversity.org; mkbe.sparkles3@gmail.com; alevine@mcn.org; alevine@mcn.org; rzwillinger@defenders.org; colin@ejcw.org; connere@ewccalifornia.org; ashbaugh.lowell@gmail.com; mrockwell1945@gmail.com; rstork@friendsoftheriver.org; sevans@friendsoftheriver.org; rebeccadawnwu@yahoo.com; john@goldengatesalmon.org; konrad@klamathriver.org; dobegi@nrdc.org; chelsea@yournec.org; custreams@gmail.com; outreachcusp@gmail.com; mike@ifrfish.org; noah@ifrfish.org; jminton@pcl.org; gary.estes@wdlikenoname.net; tbsletteland@gmail.com; lucas@sacrivertrust.org; Larryglass71@gmail.com; jon@baykeeper.org; ben@baykeeper.org; wvt@infomania.com; amerrill@americanrivers.org; regina@californiasalmon.org; tstokely@att.net; Dyane.osorio@sierraclub.org; livingstonjohn@att.net; connere@gmail.com; k@omrl.org; Skyhorse3593@sbcglobal.net; zelinsky.david@gmail.com; asanchez@calwild.org; caleenwintu@gmail.com
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From: Sites Project [info@sitesproject.org]
Sent: 11/12/2021 4:52:34 PM
To: Sites Project [info@sitesproject.org]
BCC: Alicia Forsythe [aforsythe@sitesproject.org]; linda.fisher@hdrinc.com; laurie.warner.herson@phenixenv.com; kim@floydcommunications.com; emichaelson@katzandassociates.com; Sarah Rossetto [srossetto@katzandassociates.com]; maxwellfire@frontiernet.net; wtyler@countyofcolusa.com; jeff.johnson@fire.ca.gov; Farl.Grundy@conservation.ca.gov; Shaundra.Cashdollar@Wildlife.ca.gov; jimb@aqualliance.net; amargosa23@gmail.com; boardclerk@countyofcolusa.org; lorloff@ccwater.com; mpatil@ccwater.com; mmartin@ccwater.com; mmartin@ccwater.com; david.j.smith@dot.ca.gov; kanawhafpdd@gmail.com; oserrano@colusa-nsn.gov; Scott.Frazier@waterboards.ca.gov; George.Low@waterboards.ca.gov; sarakawa@mwdh2o.com; mervaw@gmail.com; Rayborel69@yahoo.com; jane.cirrincione@ncpa.com; melindawright@juno.com; reis@bay.org; drboylan@outlook.com; sevans@friendsoftheriver.org; barbarav@aqualliance.net; caroleekrieger7@gmail.com; info@klamathriver.org; lucas@sacrivertrust.org; Dyane.osorio@sierraclub.org; wvt@infomania.com; livelyfoundation@sbcglobal.net; gordon.stephanies@epa.gov; danejdurham1@comcast.net; wmneel@cox.net; singingwater@att.net; pmputerbaugh@yahoo.com; carenquay@gmail.com; kantor@digitalpath.net; jhmckee021849@yahoo.com; harriet@moss.net; brucevictorbowles@gmail.com; dgeisser@sbcglobal.net; eharamaki@gmail.com; brianaquinn@yahoo.com; kevinjwolf@gmail.com; jk_hayes@yahoo.com; hcsloane@earthlink.net; kwe4@sbcglobal.net; jbyost@gmail.com; lyondick@gmail.com; slasack@gmail.com; malgaff@gmail.com; smo99@aol.com; jay@almery.com; stevemenicucci@hotmail.com; mqqwest@earthlink.net; chamerstad@aol.com; suesteinberg@mac.com; jimprola@yahoo.com; rayrodney@comcast.net; dra@redshift.com; jxwarren1947@yahoo.com; teo@cheesemans.com; dillylvg@icloud.com; careed@ucr.edu; pfishfool1@comcast.net; play@kiteisland.com; emlasack@comcast.net; ebob999@yahoo.com; dfilipelli@mcn.org; mikeduncan1967@yahoo.com; shetonrer@hotmail.com; quinnie107@hotmail.com; ctrarcht@nccn.net; bndass@yahoo.com; abe@slought.org; Wlmartin361@gmail.com; jsallee57@comcast.net; pauleilers@comcast.net; andingela@gmail.com; art@sonic.net; theriverboxes@gmail.com; jimprola@yahoo.com; deyo@umich.edu; lgiese1320@yahoo.com; widdershins3@gmail.com; ericlforsman@gmail.com; mcoulter@dcn.org; kylie.tasker@gmail.com; brunopitton@gmail.com; garyfalxa@gmail.com; nortonsf@ix.netcom.com; heinrich.albert@outlook.com; jbyron@sbcfoundation.org; jonsonario@comcast.net; dkarrs@chevron.com; wvt@infomania.com; philsim75@aol.com; holstein@cal.net; Cherri.burton@gmail.com; celiatt@earthlink.net; boatboy@pacbell.net; riverrock8@gmail.com; aflores@zone7water.com; beholdenone@earthlink.net; elong@ernestalongadr.com; guavabear36@yahoo.com; clblaney@yahoo.com; lishchris@yahoo.com; ewehr@gwdwater.org; leeseve@aol.com; jjwydick@dcn.org; Jennifer-Militzer@sbcglobal.net; bhoffman07@mail.roosevelt.edu; jnsahl@sbcglobal.net; Kattysinc@gmail.com; brien.b.b@gmail.com; klewis@jimbabwe.com; Karlyn.Lewis@jimbabwe.com; Anthony.Navasero@deltacouncil.ca.gov; Dinobuilder62@gmail.com; gr8jibe@yahoo.com; jen94401@yahoo.com; evan.sawyer@noaa.gov; Paul.Olmstead@smud.org; keithmerson@mac.com; tstokely@att.net; deltakeep@me.com; caroleekrieger7@gmail.com; connere@gmail.com; RStork@friendsoftheriver.org; noah@ifrfish.org; Larryglass71@gmail.com; natalie.carter@becnet.org; holstein@cal.net; gary.estes@wdlikenoname.net; ashbaugh.lowell@gmail.com; alevine@mcn.org; rebeccadawnwu@yahoo.com; tbsletteland@gmail.com; jminton@pcl.org; colin@ejcw.org; john@goldengatesalmon.org; mrockwell1945@gmail.com; greg@bayecotarium.org; caleenwintu@gmail.com; k@omrl.org; mkbe.sparkles3@gmail.com; Skyhorse3593@sbcglobal.net
Subject: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement
Attachments: Sites Reservoir Project - RDEIR-SDEIS NOA 11122021.pdf

Dear Interested Party,

In August 2017, the Sites Project Authority (Authority) and Bureau of Reclamation (Reclamation) jointly issued a Draft Environmental Impact Report/Environmental Impact Statement (2017 Draft EIR/EIS) for the Sites Reservoir Project (Project). As a result of changes to the Project and in compliance with State and Federal regulations, the Authority and Reclamation have released a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS). Consistent with the California Environmental Quality Act (CEQA), the RDEIR/SDEIS is being recirculated for public review and comment. The RDEIR/SDEIS includes a complete revision of the 2017 Draft EIR/EIS analysis and describes the

environmental effects and mitigation measures related to construction and operation of the Sites Reservoir Project.

The attached Notice of Availability provides a brief description of the Project and details related to the RDEIR/SDEIS public review period, including how to comment and the various ways to access the draft environmental documents. The RDEIR/SDEIS is also accessible from the following websites:
https://sitesproject.org/environmental-review
https://www.usbr.gov/mp/nepa/nepa_project_details.php?Project_ID=29024

Public participation is essential to the environmental review process and important for development of the Sites Reservoir Project. Release of the RDEIR/SDEIS starts a 60-day public review and comment period. **Comments should be received by 5 p.m. PST, January 11, 2022**, via email at EIR-EIS-Comments@SitesProject.org or via U.S. Mail to either: Sites Project Authority, P.O. Box 517, Maxwell, CA 95955; or, U.S. Bureau of Reclamation, 2800 Cottage Way, W-2830, Sacramento, CA 95825.

Two virtual public meetings will be held to provide information and an opportunity to learn more about the Sites Project and submit comments on the draft environmental analyses. These meetings will be held:

- **December 15, 2021** from 6 p.m. to 8 p.m.
- **December 16, 2021** from 9 a.m. to 11 a.m.

Virtual meeting instructions and other information will be provided in the coming weeks online at https://www.sitesproject.org/environmental-review/.

We value your input and appreciate your participation in this process. If you have any questions, please contact Alicia Forsythe, Sites Project Authority, at 530-438-2309 or aforsythe@sitesproject.org.

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/12/2021 4:52:51 PM
To: Holly Dawley [hdawley@gcid.net]
Subject: RE: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement

Thank you! There has been so many last minute details and hiccups that its keep us all quite busy this week! Glad to have it out in the great big world. 😉

Hope you have a fabulous weekend!

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Holly Dawley <hdawley@gcid.net>
Sent: Friday, November 12, 2021 3:57 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: Re: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement

Congratulations, Ali! That is a big milestone.
Holly

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Friday, November 12, 2021 3:53 PM
To: logan@canalfarms.com <logan@canalfarms.com>; Donald.brandsofr@gmail.com <Donald.brandsofr@gmail.com>; gevans@countyofcolusa.org <gevans@countyofcolusa.org>; MJAzevedo@countyofcolusa.org <MJAzevedo@countyofcolusa.org>; fritz.durst@gmail.com <fritz.durst@gmail.com>; sean@dohertyfarms.com <sean@dohertyfarms.com>; hreinhard@rd108.org <hreinhard@rd108.org>; 1cjm@frontiernet.net <1cjm@frontiernet.net>; ken.hahn@countyofglenn.net <ken.hahn@countyofglenn.net>; grant.carmon@countyofglenn.net <grant.carmon@countyofglenn.net>; jsutton@tccanal.com <jsutton@tccanal.com>; hcharter69@gmail.com <hcharter69@gmail.com>; jdparker@frontiernet.net <jdparker@frontiernet.net>; bhoudesheldt@roseville.ca.us <bhoudesheldt@roseville.ca.us>; jalpine@hotmail.com <jalpine@hotmail.com>; glallen337@gmail.com <glallen337@gmail.com>; SchmitzK@SacCounty.net <SchmitzK@SacCounty.net>; PetersonMi@SacCounty.net <PetersonMi@SacCounty.net>; Jsharris@cityofsacramento.org <Jsharris@cityofsacramento.org>; BEwart@cityofsacramento.org <BEwart@cityofsacramento.org>; asanger@cityofsacramento.org <asanger@cityofsacramento.org>; Wbusath@cityofsacramento.org <Wbusath@cityofsacramento.org>; fhernandez@cityofamericancanyon.org <fhernandez@cityofamericancanyon.org>; JHolley@cityofamericancanyon.org <JHolley@cityofamericancanyon.org>; JimP@chiconut.com <JimP@chiconut.com>; jamie@tnpfarms.com <jamie@tnpfarms.com>; Wvanderwaal@rd108.org <Wvanderwaal@rd108.org>; Lewis Bair <LBair@RD108.org>; Zachary@CanalFarms.com <Zachary@CanalFarms.com>; Jake Spooner <jspoonerfarms@gmail.com>; ted@westerncanal.com <ted@westerncanal.com>; greg@greatrice.com <greg@greatrice.com>; Ben Carter <BenCarter@succeed.net>; Ann Carter <AnnCarter4@comcast.net>; Kendra Carter

<kccarter13@gmail.com>; Charlie Palmer <ccmp503@gmail.com>; Dwayne Chisam <DChisam@avek.org>; DFlory@ppeng.com <DFlory@ppeng.com>; Robert Cheng (Rcheng@cvwd.org) <Rcheng@cvwd.org>; Petya Vasileva <PVasileva@cvwd.org>; Mark Krause <MKrause@dwa.org>; Steve Johnson <SJohnson@dwa.org>; Randall Neudeck (rneudeck@mwdh2o.com) <rneudeck@mwdh2o.com>; Nina E. Hawk (nhawk@mwdh2o.com) <nhawk@mwdh2o.com>; Bob Tincher <bobt@sbvmwd.com>; heatherd@sbvmwd.com <heatherd@sbvmwd.com>; ckao@valleywater.org <ckao@valleywater.org>; eleitterman@valleywater.org <eleitterman@valleywater.org>; AndrewGarcia@valleywater.org <AndrewGarcia@valleywater.org>; jdavis@sgpwa.com <jdavis@sgpwa.com>; leckhart@sgpwa.com <leckhart@sgpwa.com>; Robert J. Kunde (rkunde@wrmwsd.com) <rkunde@wrmwsd.com>; SNicholas@wrmwsd.com <SNicholas@wrmwsd.com>; aflores@zone7water.com <aflores@zone7water.com>; vpryor@zone7water.com <vpryor@zone7water.com>; cmahoney@zone7water.com <cmahoney@zone7water.com>; CCwd2@frontiernet.net <CCwd2@frontiernet.net>; CCwd2@frontiernet.net <CCwd2@frontiernet.net>; Thad Bettner <tbettner@gcid.net>; Holly Dawley <hdawley@gcid.net>; weghorst@irwd.com <weghorst@irwd.com>; kwelch@irwd.com <kwelch@irwd.com>; ttaylor@rrbwsd.com <ttaylor@rrbwsd.com>; dbartel@rrbwsd.com <dbartel@rrbwsd.com>; DMarks@SCVWA.org <DMarks@SCVWA.org>; sccole@SCVWA.org <sccole@SCVWA.org>; flylegacy@yahoo.com <flylegacy@yahoo.com>; Druiz@westsidewd.com <Druiz@westsidewd.com>
Cc: Jerry Brown <jbrown@sitesproject.org>; Marcia Kivett <MKivett@sitesproject.org>; Linda Fisher (linda.fisher@hdrinc.com) <linda.fisher@hdrinc.com>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>; Sarah Rossetto <srossetto@katzandassociates.com>; Kim Floyd <kim@floydcommunications.com>
Subject: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement

Reservoir Committee and Authority Board Members and Alternatives –

I wanted to let you know that the Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS) is now available on the Authority's website. The Federal Register notice along with the CEQA Notice of Completion and Notice of Availability were all posted today. This starts the official review period. See below for information on how to access the document and information on the review period. And as always, feel free to contact me if you have any questions or concerns.

Ali

In August 2017, the Sites Project Authority (Authority) and Bureau of Reclamation (Reclamation) jointly issued a Draft Environmental Impact Report/Environmental Impact Statement (2017 Draft EIR/EIS) for the Sites Reservoir Project (Project). As a result of changes to the Project and in compliance with State and Federal regulations, the Authority and Reclamation have released a Revised Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement (RDEIR/SDEIS). Consistent with the California Environmental Quality Act (CEQA), the RDEIR/SDEIS is being recirculated for public review and comment. The RDEIR/SDEIS includes a complete revision of the 2017 Draft EIR/EIS analysis and describes the environmental effects and mitigation measures related to construction and operation of the Sites Reservoir Project.

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Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Robert Cheng [RCheng@cvwd.org]
Sent: 11/12/2021 11:18:37 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]
Subject: Re: Sites Reservoir Project Notice of Availability of the Revised Draft Environmental Impact Report/ Supplemental Draft Environmental Impact Statement

Congrats Ali, this is a nice milestone.

Sent from my iPhone

On Nov 12, 2021, at 15:54, Alicia Forsythe <aforsythe@sitesproject.org> wrote:

External e-mail: Do not click on links or open attachments unless you recognize the sender and you know the content is safe.

Reservoir Committee and Authority Board Members and Alternatives –

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Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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<Sites Reservoir Project - RDEIR-SDEIS NOA 11122021.pdf>

From: Micko, Steve/SAC [Steve.Micko@jacobs.com]
Sent: 11/14/2021 12:18:44 PM
To: Alicia Forsythe [aforsythe@sitesproject.org]
CC: Spranza, John [john.spranza@hdrinc.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]; Lecky, Jim [jim.lecky@icf.com]; Hassrick, Jason [jason.hassrick@icf.com]; Hendrick, Mike [mike.hendrick@icf.com]; Leaf, Rob/SAC [Rob.Leaf@jacobs.com]; Whittington, Chad/SAC [Chad.Whittington@jacobs.com]
Subject: RE: Sites - Catch Up on Diversion Criteria
Attachments: Daily_Divertible_Storable_Tool_HamCity_Flows_NoFre_Oct-May_WS10700_NoPPZ_rev02.pdf; Daily_Divertible_Storable_Tool_WilkinsSlough_Flows_NoFre_Oct-May_WS10700_NoPPZ_rev02.pdf

Hi Ali,

Attached are plots of Daily Divertible Flow Tool results for the Sacramento River:

- Downstream of Hamilton City (upstream most location affected by full Sites diversions)
- At Wilkins Slough

At each location, three data series are plotted:

- No Sites (No Action Alternative; blue line)
- Sites with Wilkins Slough at 10,700 cfs for Oct – May, **pulse flow protection**, and no criteria at Fremont Weir (orange line)
- Sites with Wilkins Slough at 10,700 cfs for Oct – May, **no pulse flow protection**, and no criteria at Fremont Weir (gray line)

By comparing the orange and gray lines, we can observe the effect of Sites pulse flow protection on Sacramento River flow. (A pulse flow protection is active when the orange line is visible.)
In the Daily Divertible Flow Tool simulation period (WY 2009 – 2018), pulse protection prevents diversions (for several days) 9 times.
For the majority of these occurrences, Sacramento River downstream of Hamilton City flow is so large that Sites diversions (without pulse flow protection) do not mute the pulse signal created by the runoff event.

We included Sacramento River at Wilkins Slough flows in case folks are interested in that location.
It should be noted that, during large flow events, the Sacramento River spills into Sutter Bypass (downstream of Hamilton City and upstream of Wilkins Slough).
Therefore, the magnitude of Sacramento River flow at Wilkins Slough is much smaller, causing the flow change due to Sites diversions to appear more pronounced.

Please let me know if you have any questions.

Best,
Steve

-----Original Appointment-----
From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Tuesday, November 9, 2021 4:44 PM
To: Alicia Forsythe; Spranza, John; Heydinger, Erin; Micko, Steve/SAC; Lecky, Jim; Hassrick, Jason; Hendrick, Mike
Subject: Sites - Catch Up on Diversion Criteria
When: Wednesday, November 10, 2021 11:30 AM-12:30 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Microsoft Teams meeting

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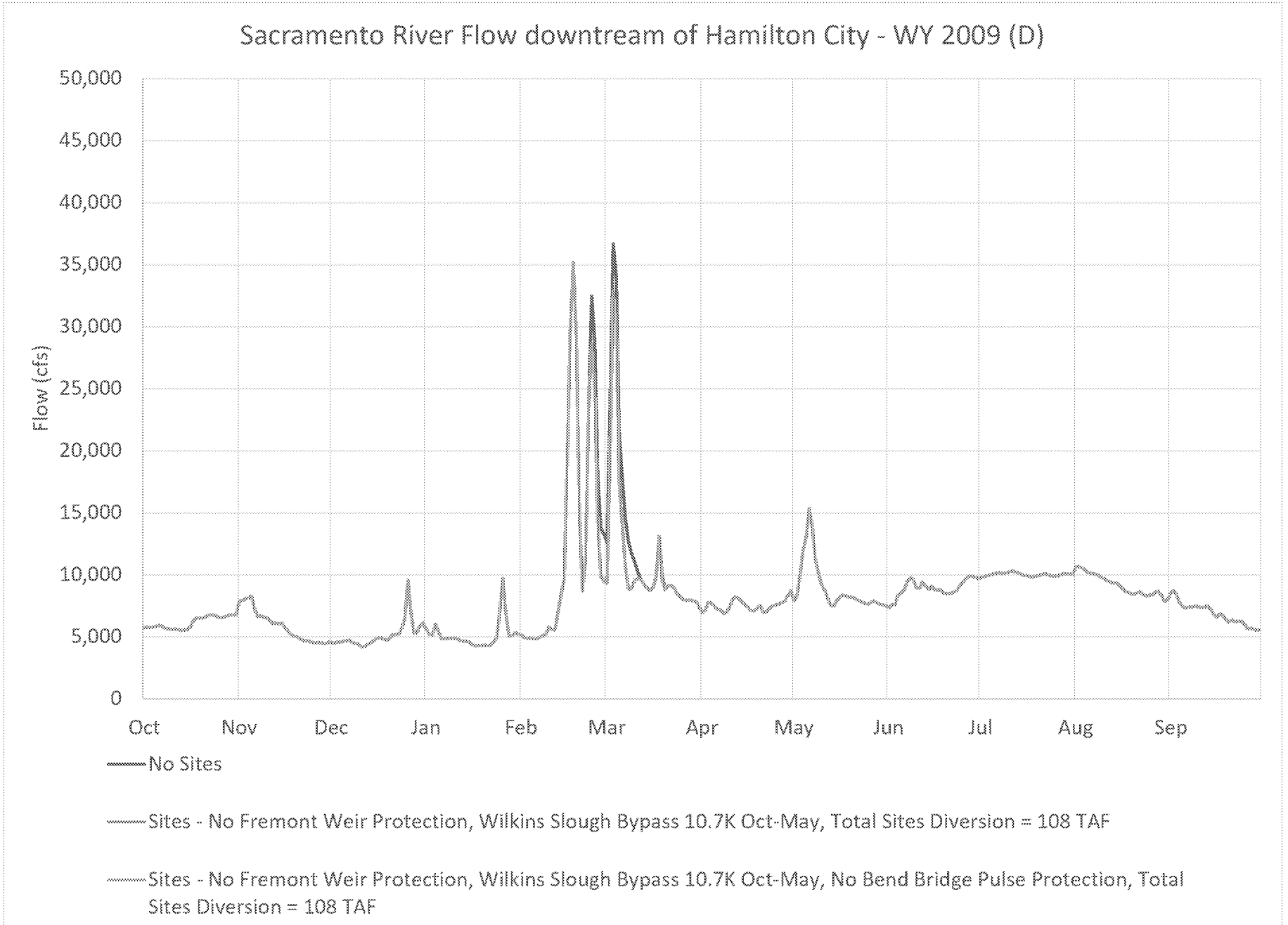
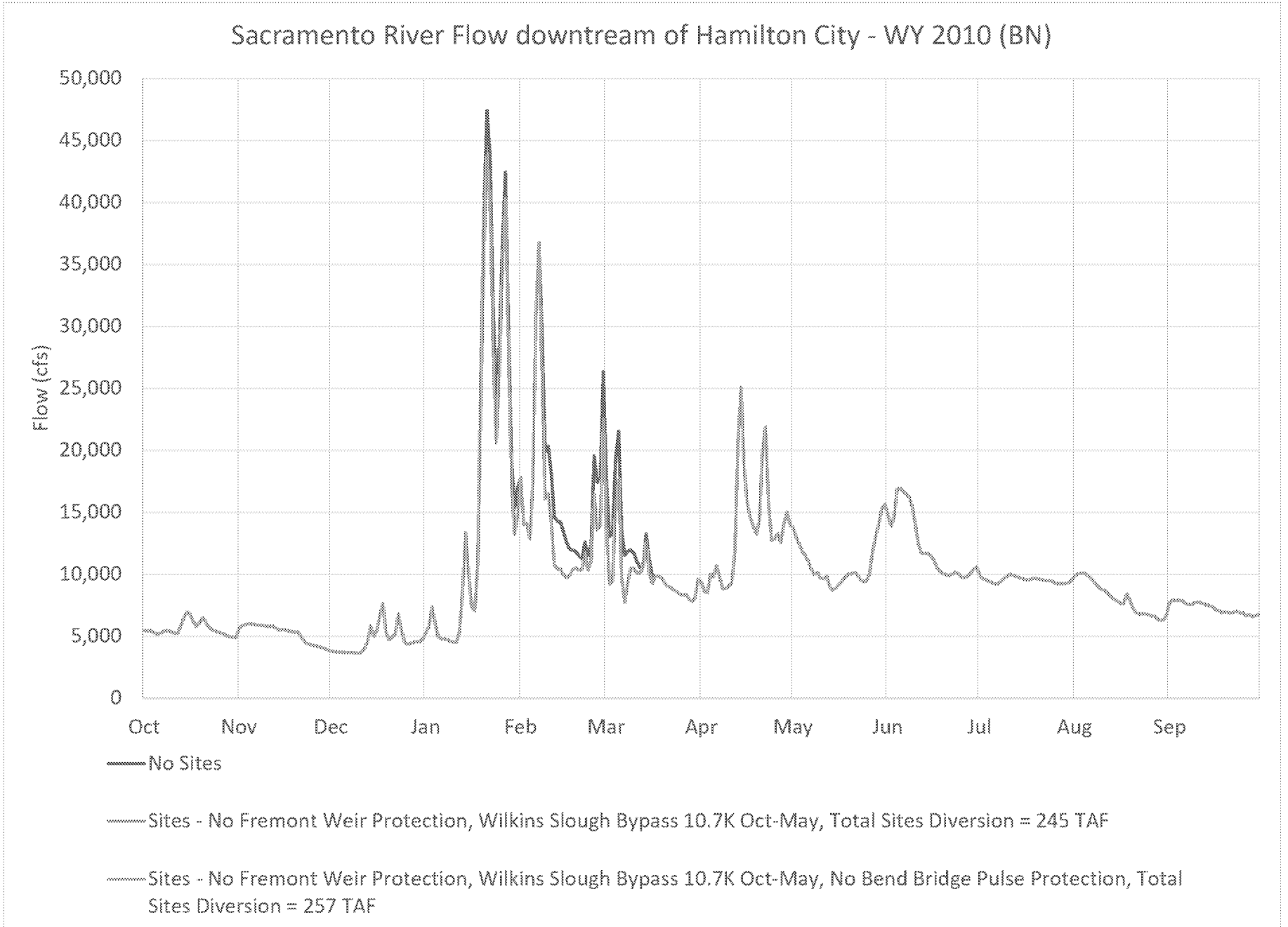
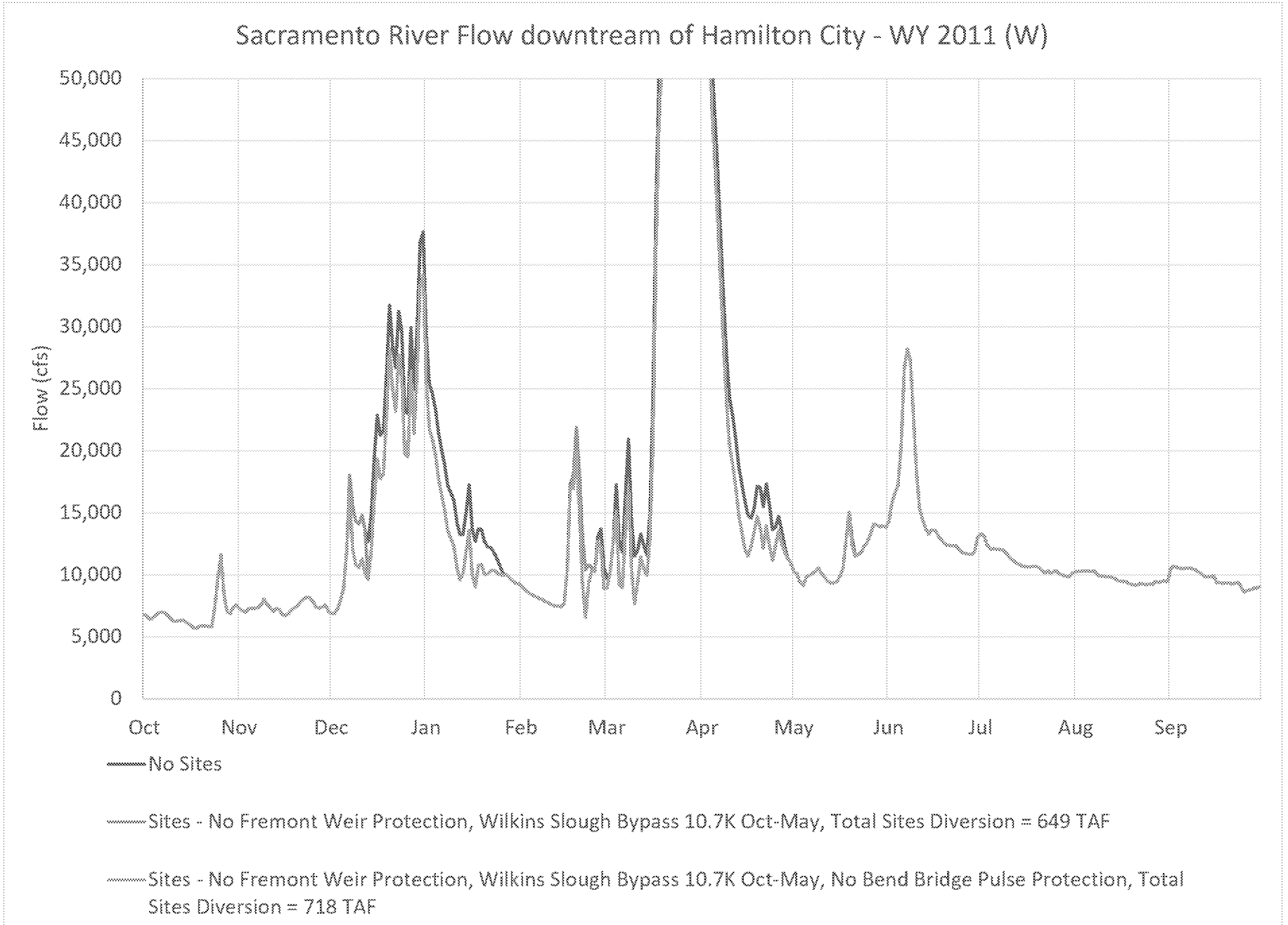
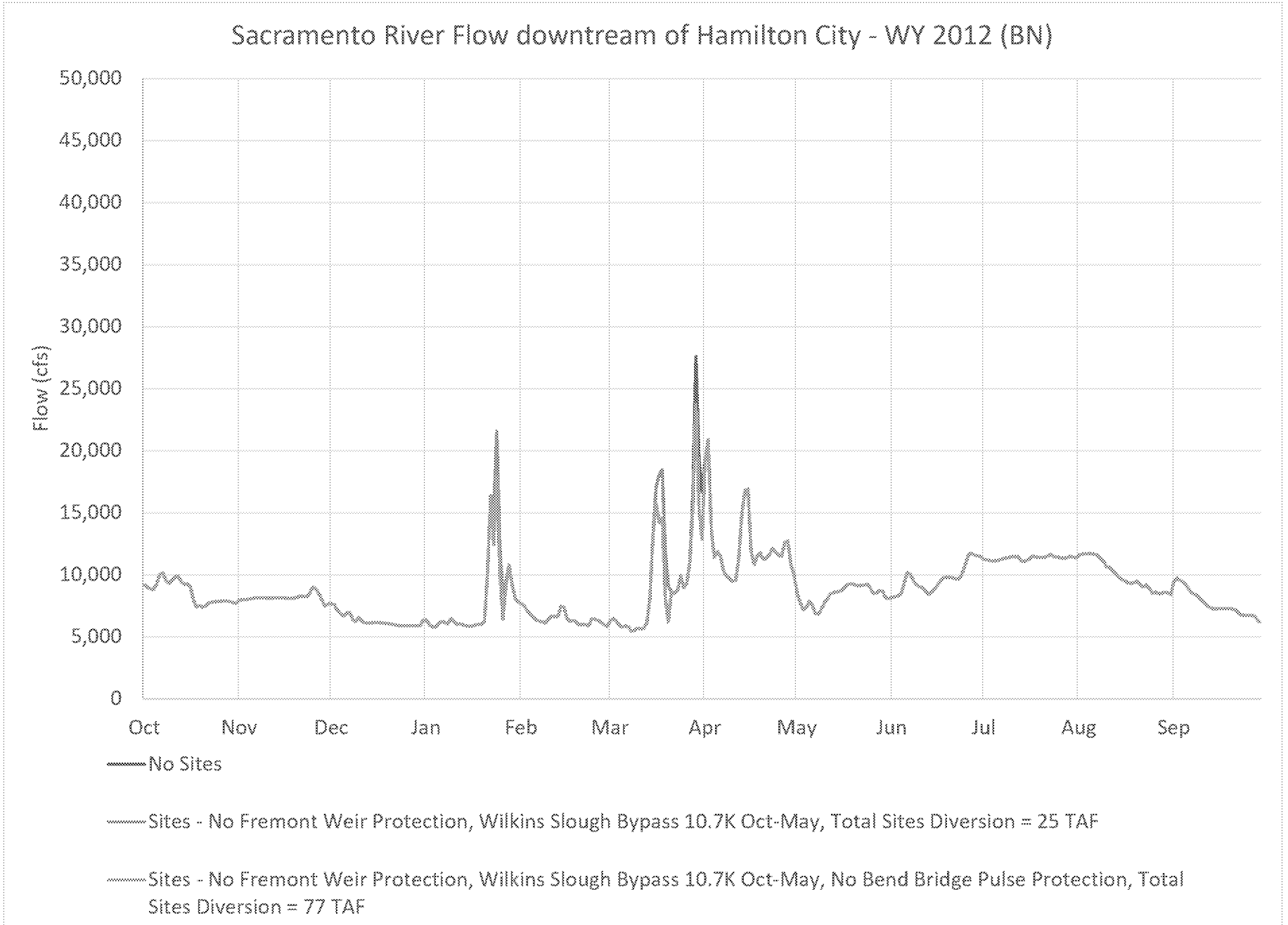
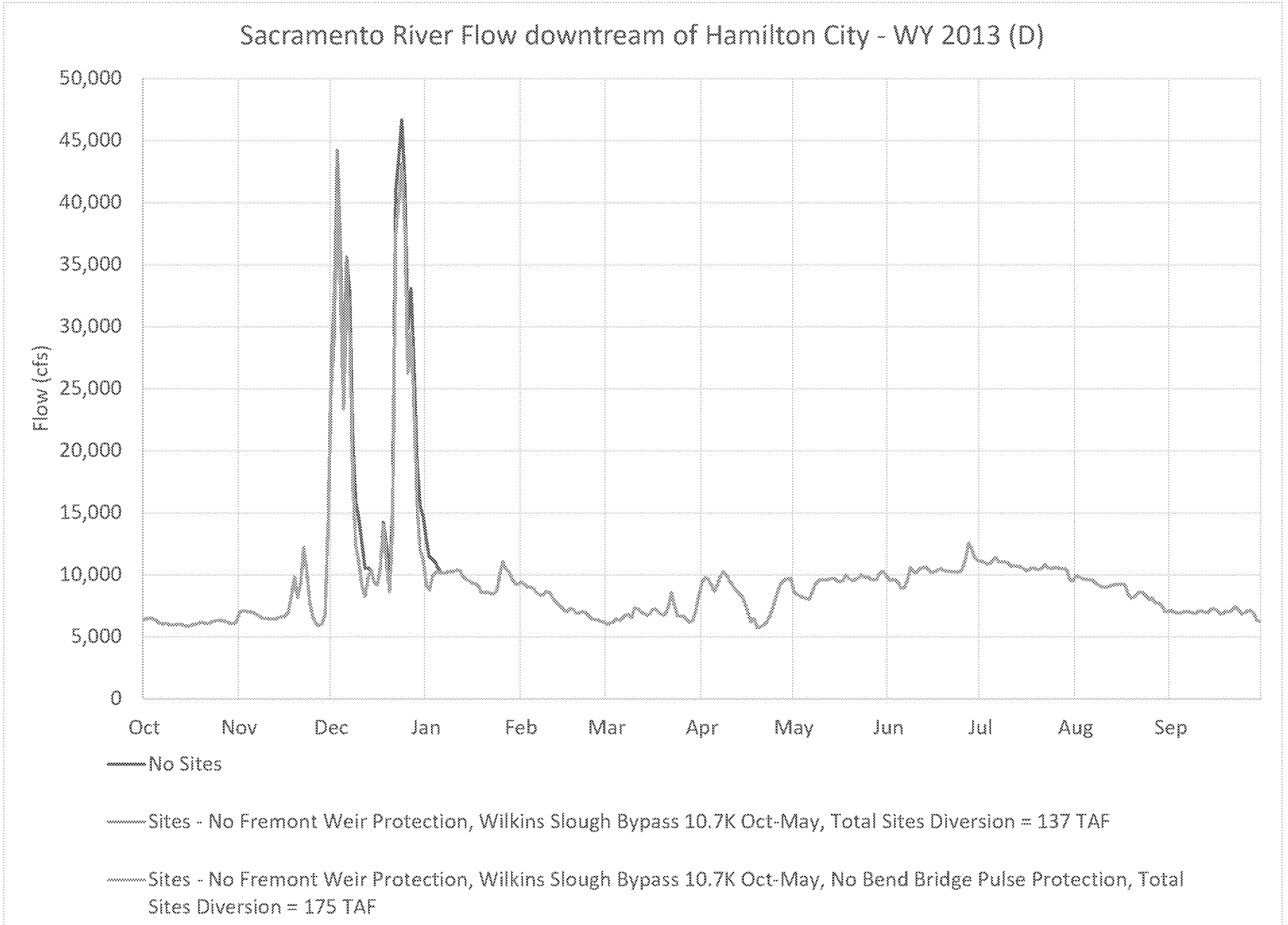
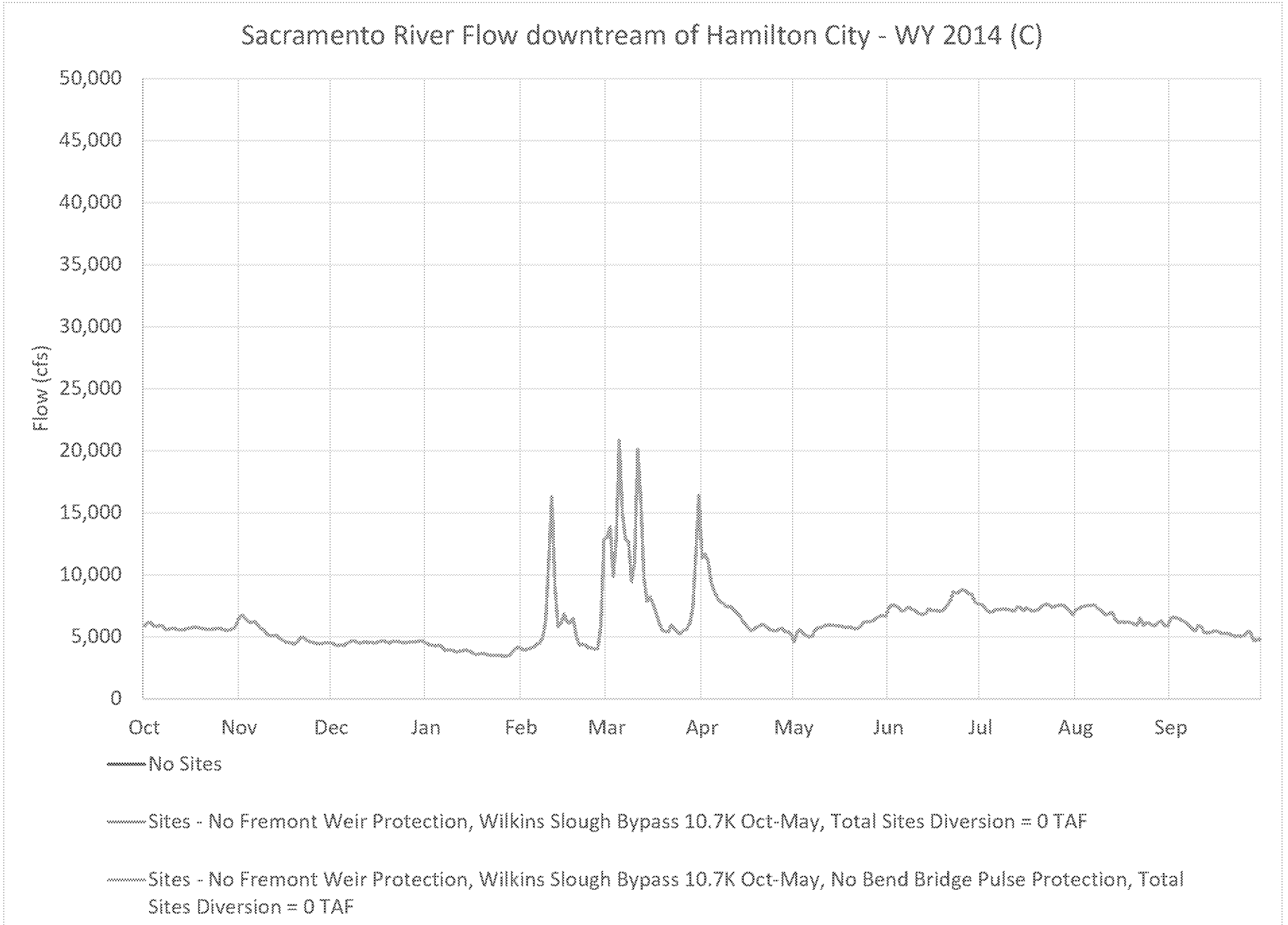

Sacramento River Flow downtream of Hamilton City - WY 2009 (D)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 108 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 108 TAF

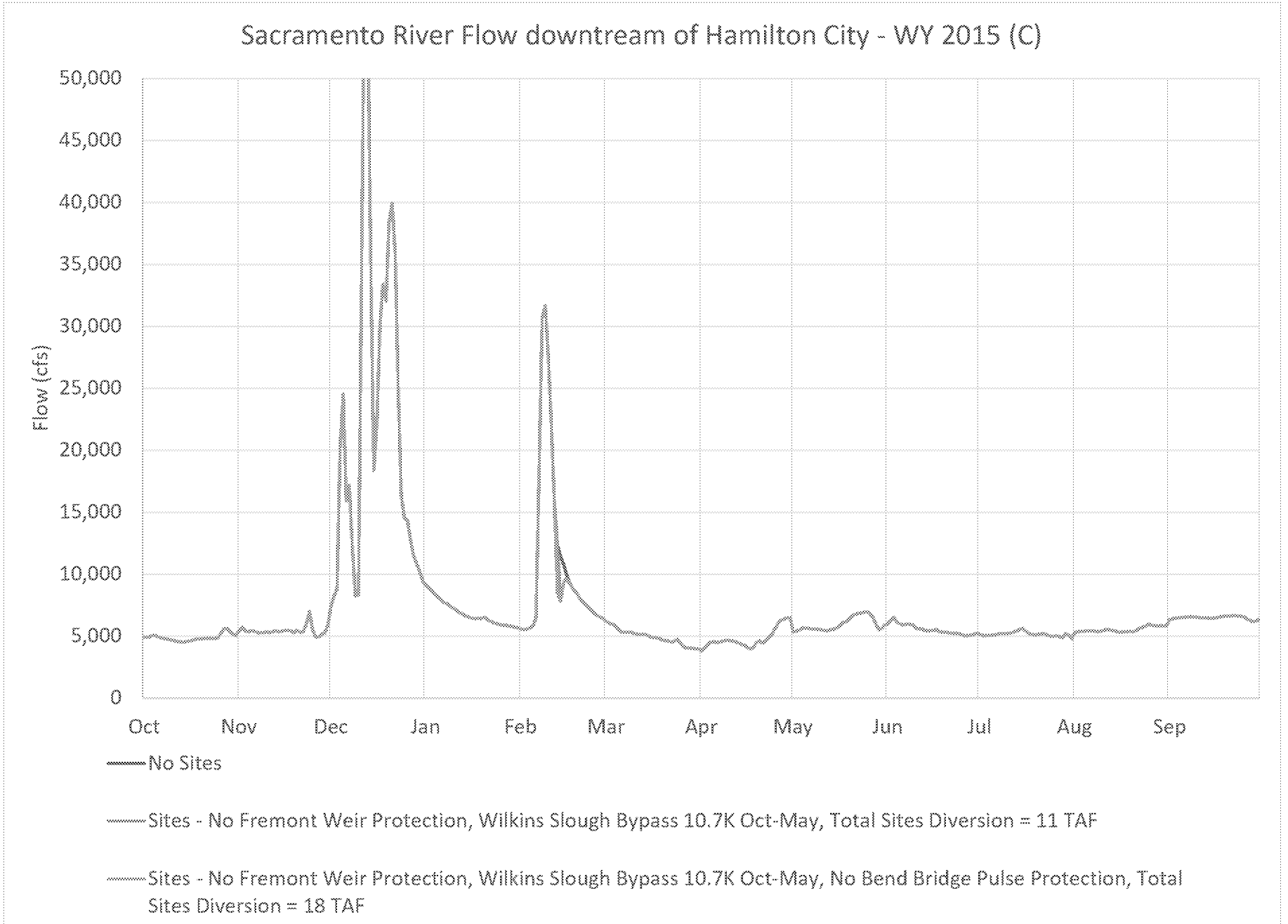

Sacramento River Flow downtream of Hamilton City - WY 2010 (BN)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 245 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 257 TAF

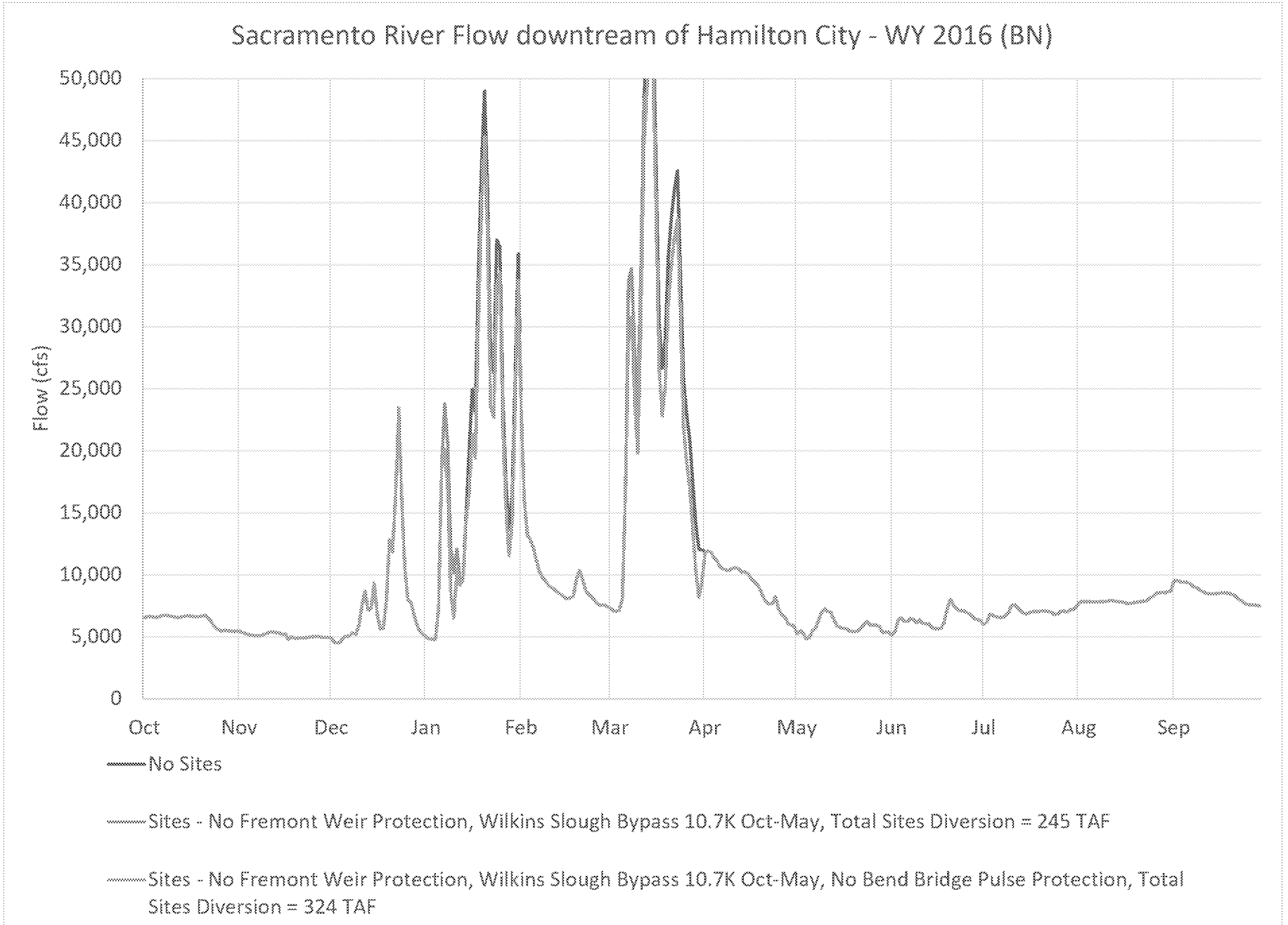

Sacramento River Flow downtream of Hamilton City - WY 2011 (W)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 649 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 718 TAF

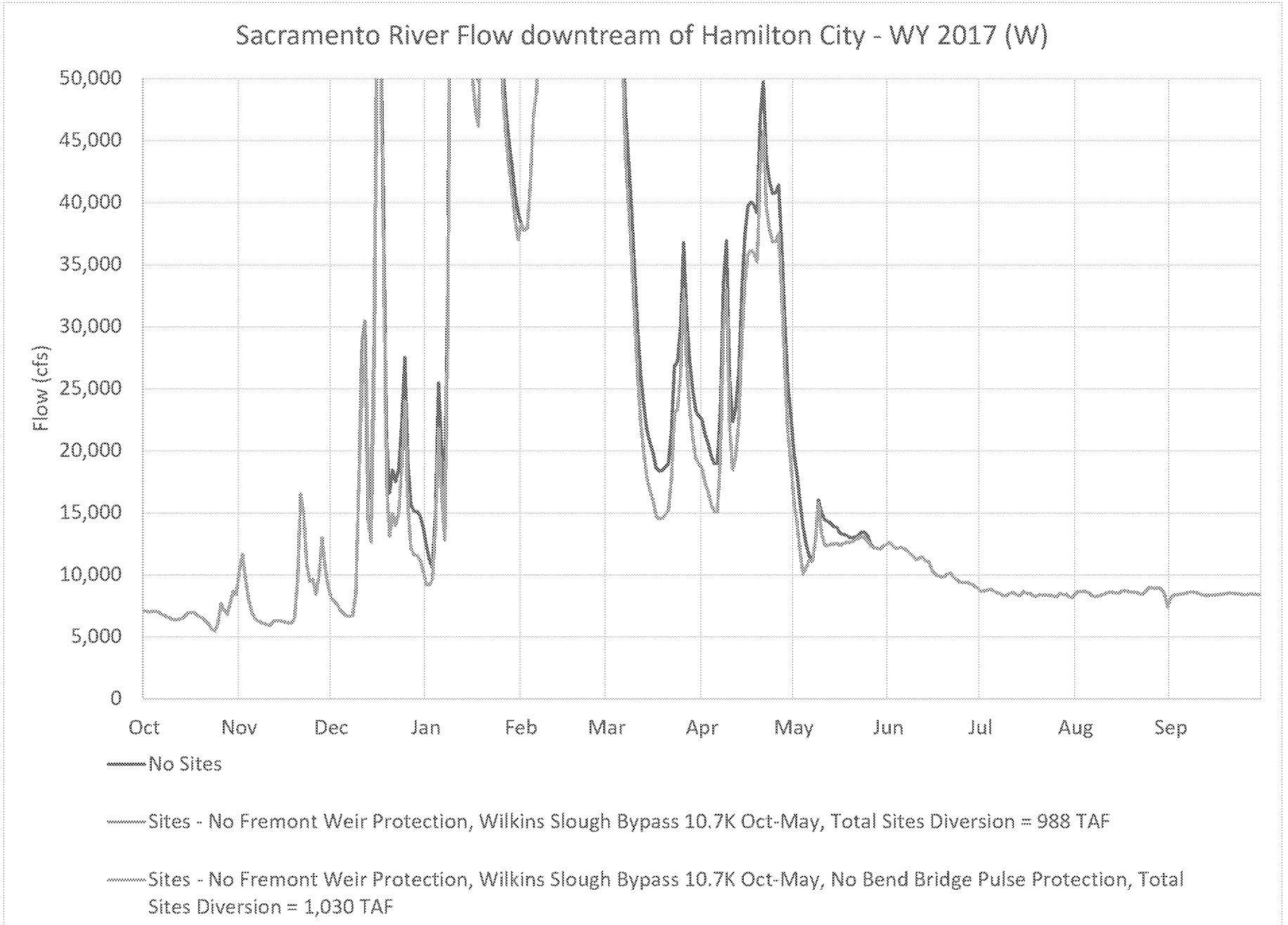

Sacramento River Flow downtream of Hamilton City - WY 2012 (BN)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 25 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 77 TAF

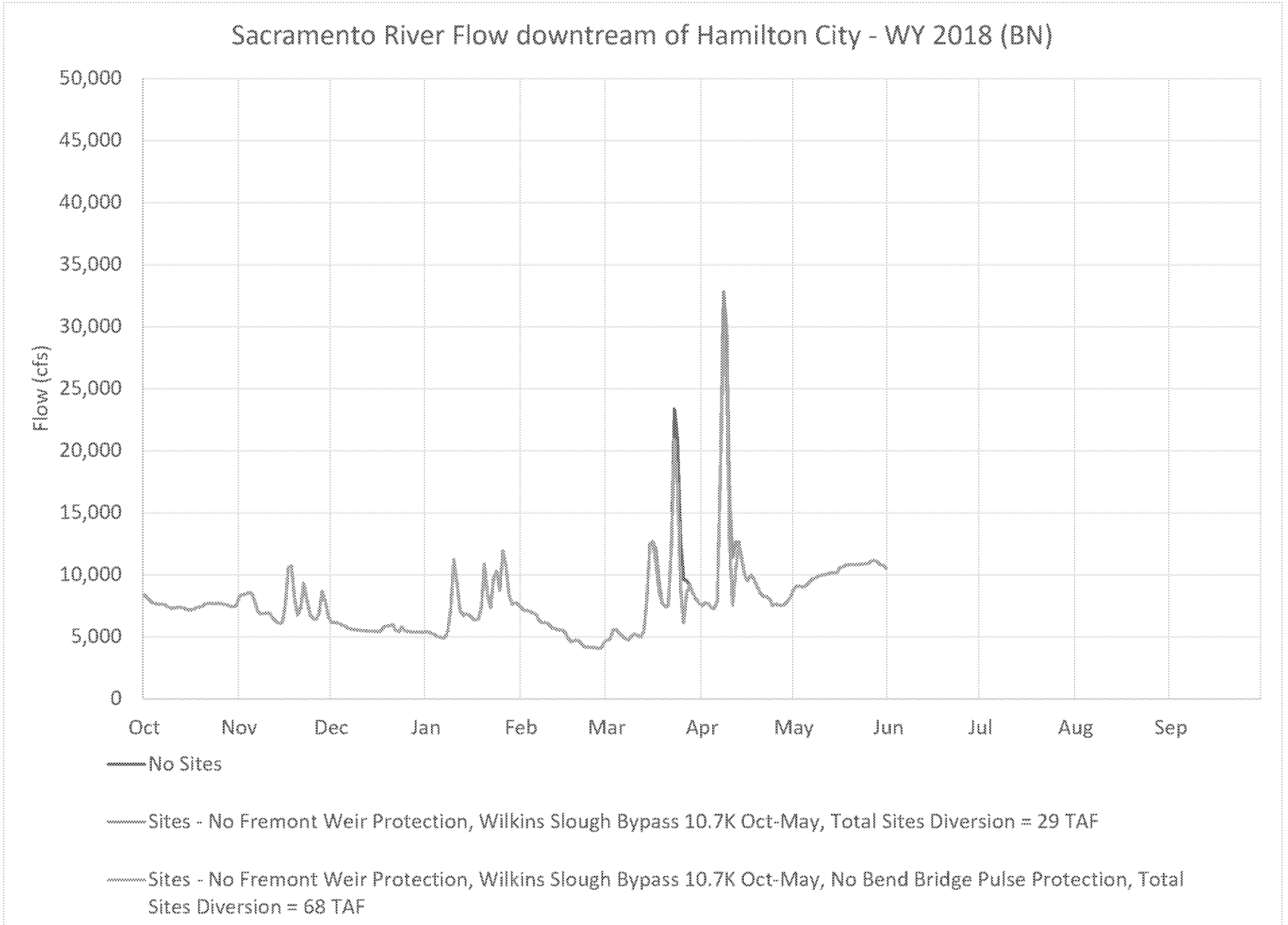

Sacramento River Flow downtream of Hamilton City - WY 2013 (D)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 137 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 175 TAF


Sacramento River Flow downtream of Hamilton City - WY 2014 (C)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 0 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 0 TAF


Sacramento River Flow downtream of Hamilton City - WY 2015 (C)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 11 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 18 TAF


Sacramento River Flow downtream of Hamilton City - WY 2016 (BN)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 245 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 324 TAF


Sacramento River Flow downtream of Hamilton City - WY 2017 (W)
Flow (cfs)
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 988 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 1,030 TAF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50,000
45,000
40,000
35,000
30,000
25,000
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5,000
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
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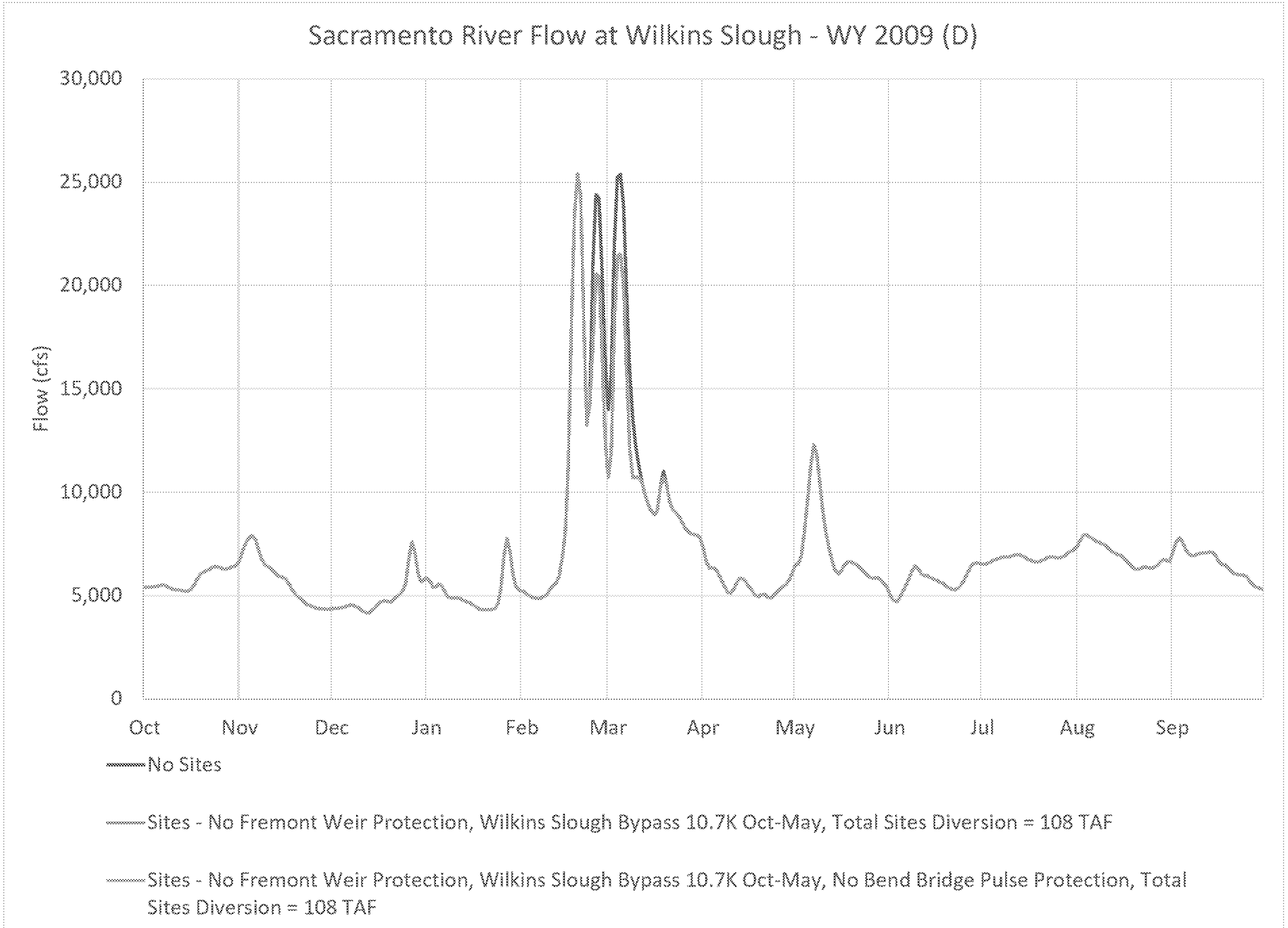
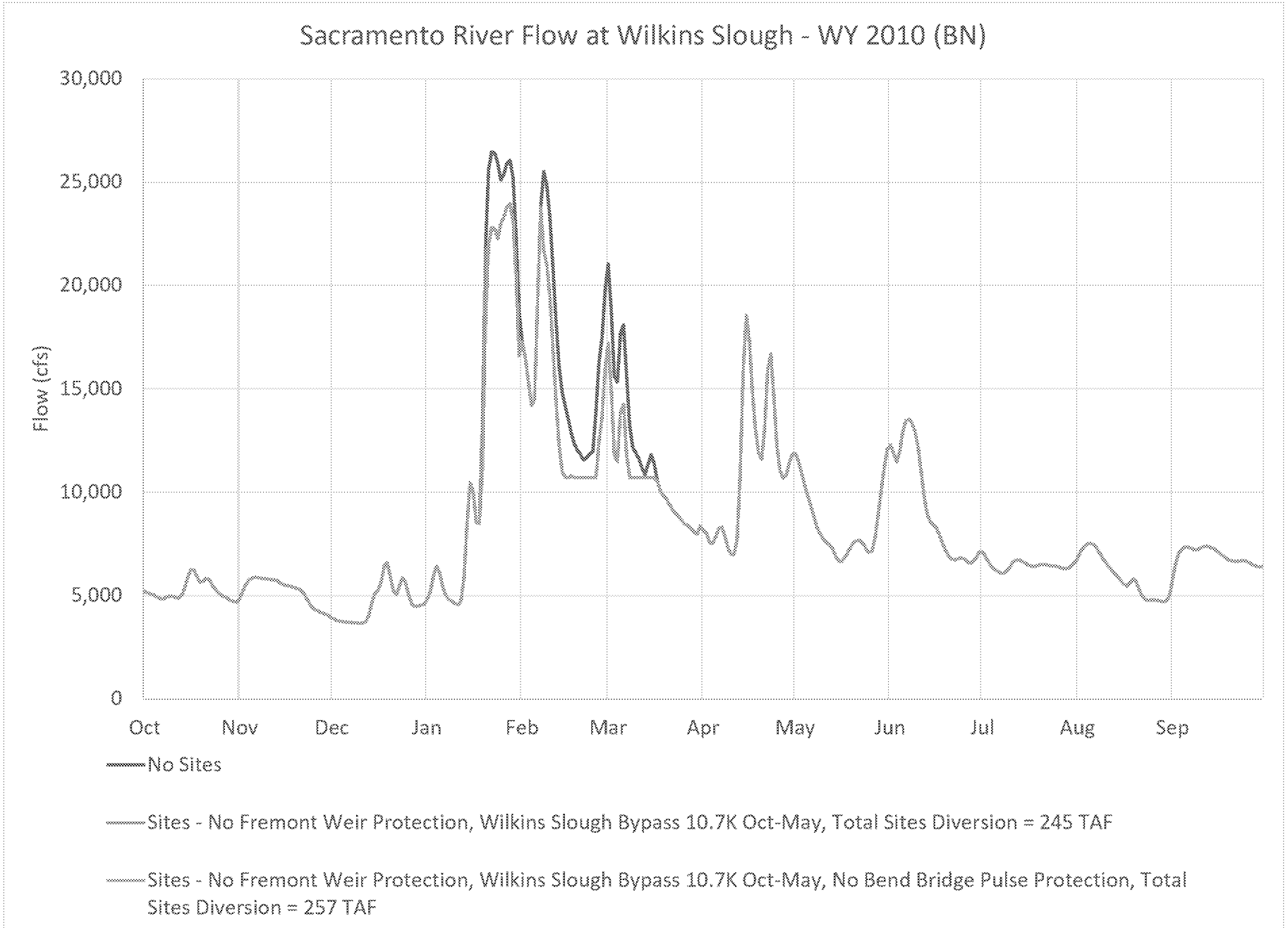
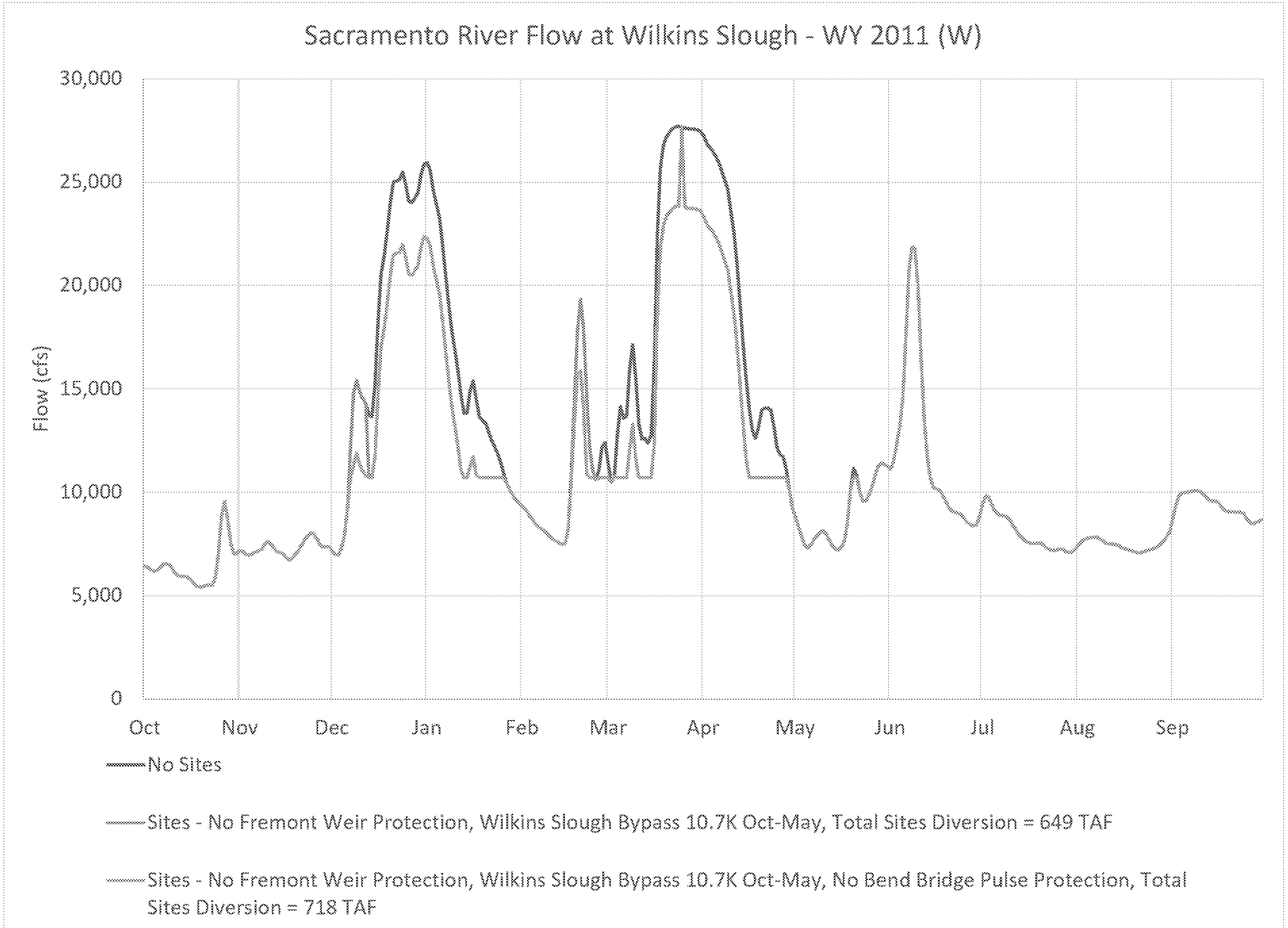
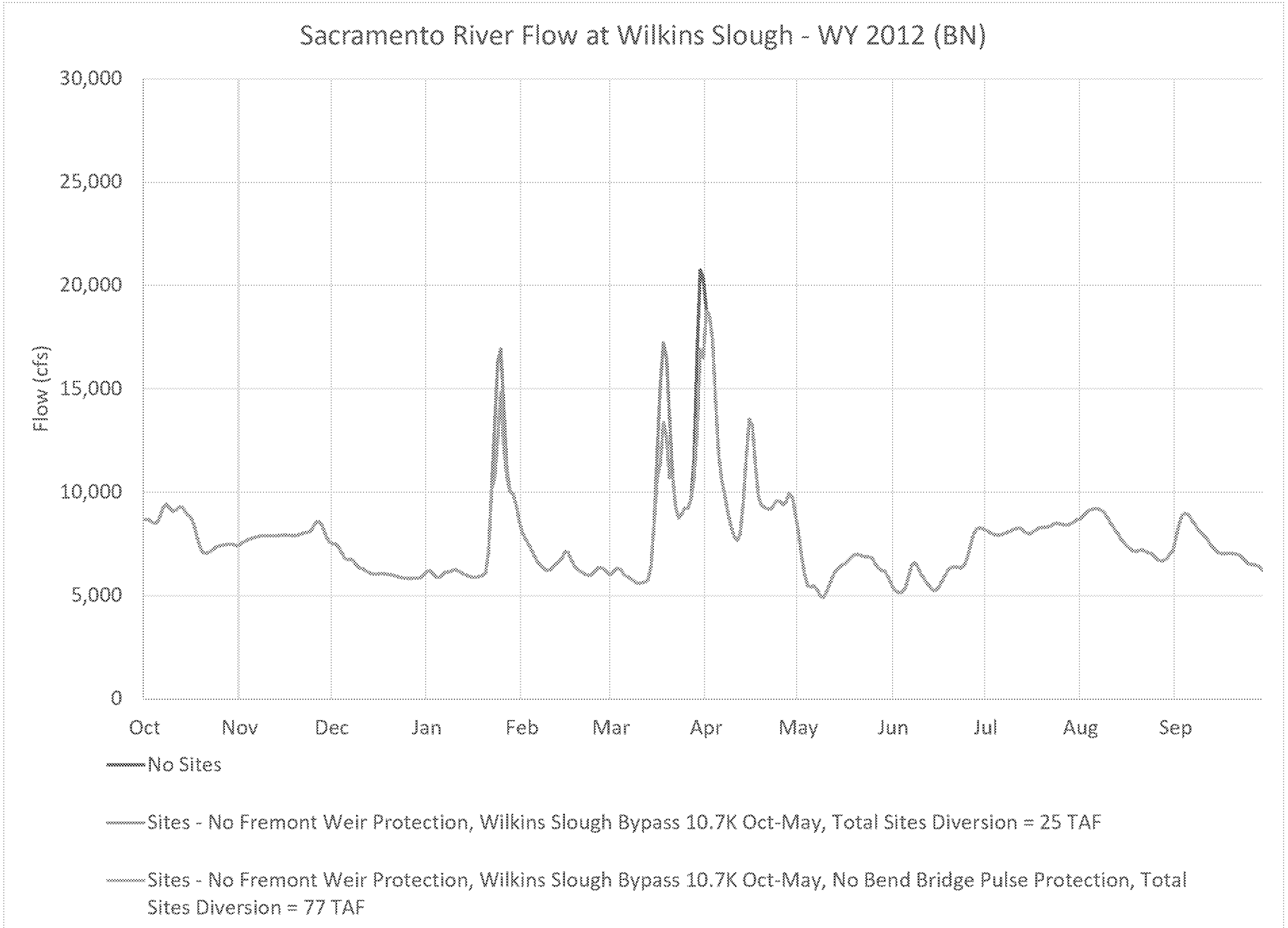
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 68 TAF


Sacramento River Flow at Wilkins Slough - WY 2009 (D)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 108 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 108 TAF


Sacramento River Flow at Wilkins Slough - WY 2010 (BN)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 245 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 257 TAF


Sacramento River Flow at Wilkins Slough - WY 2011 (W)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 649 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 718 TAF


Sacramento River Flow at Wilkins Slough - WY 2012 (BN)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
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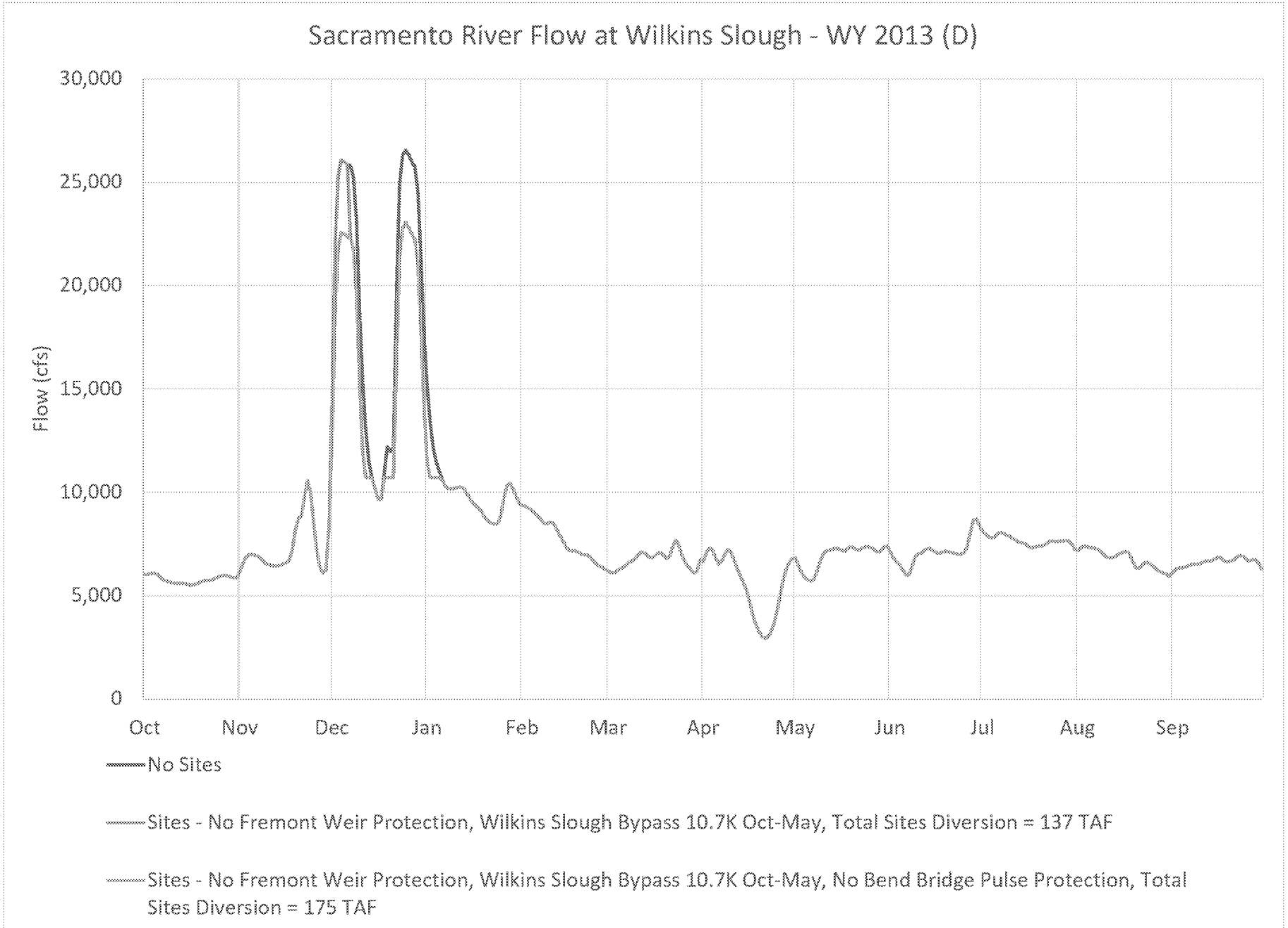
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 25 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 77 TAF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30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
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Apr
May
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Jul
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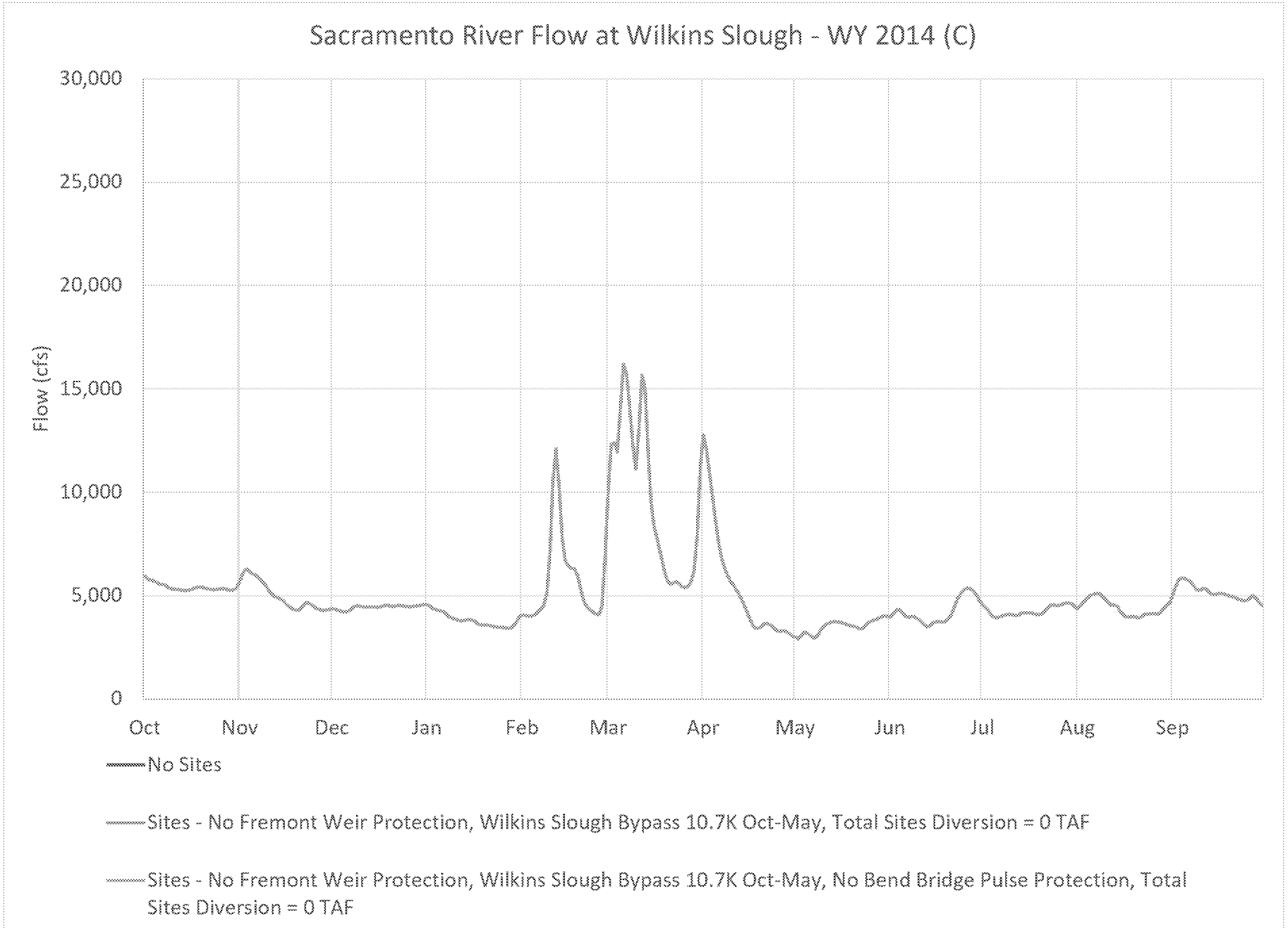
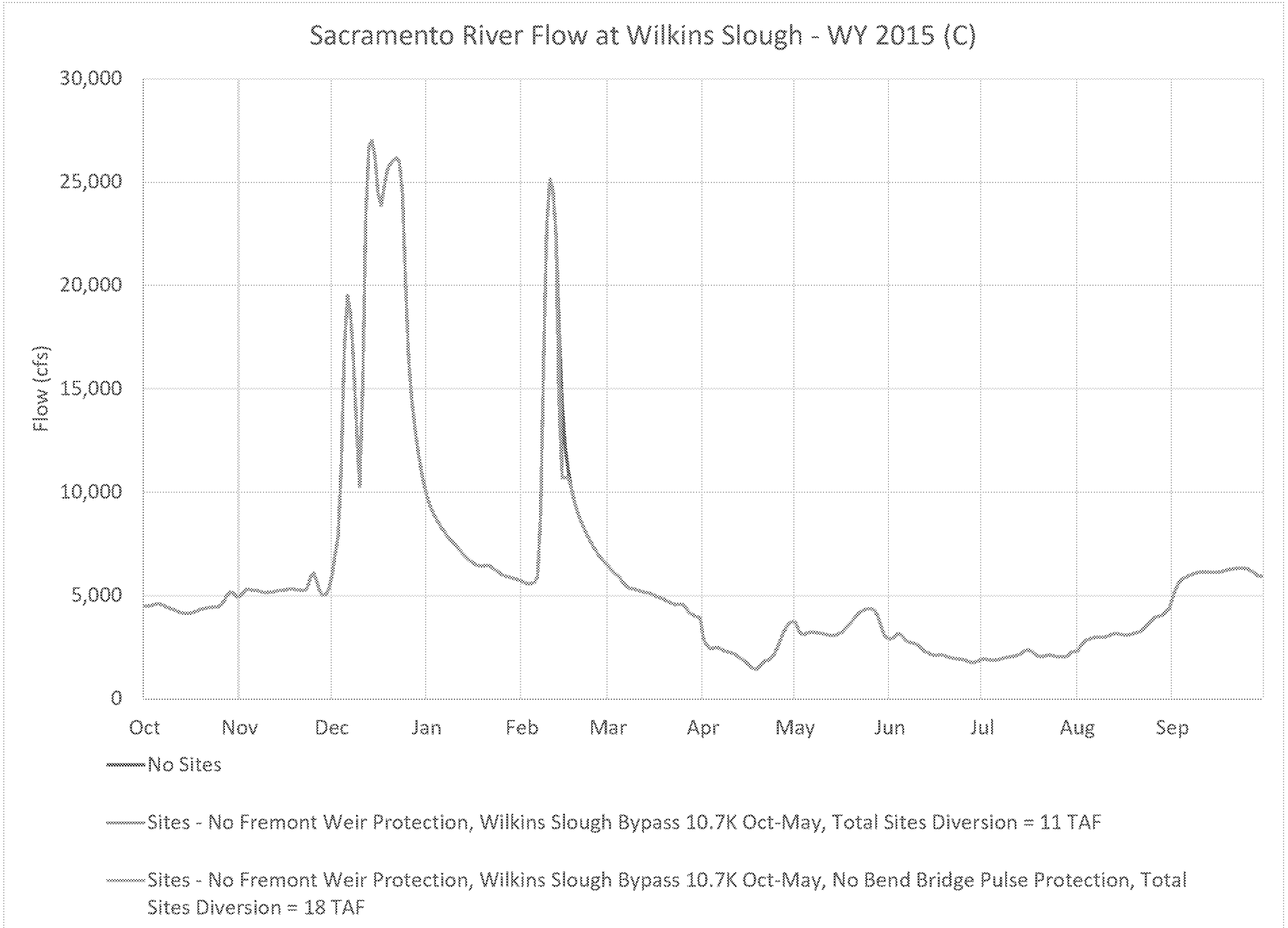

Sacramento River Flow at Wilkins Slough - WY 2014 (C)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 0 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 0 TAF


Sacramento River Flow at Wilkins Slough - WY 2015 (C)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
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Mar
Apr
May
Jun
Jul
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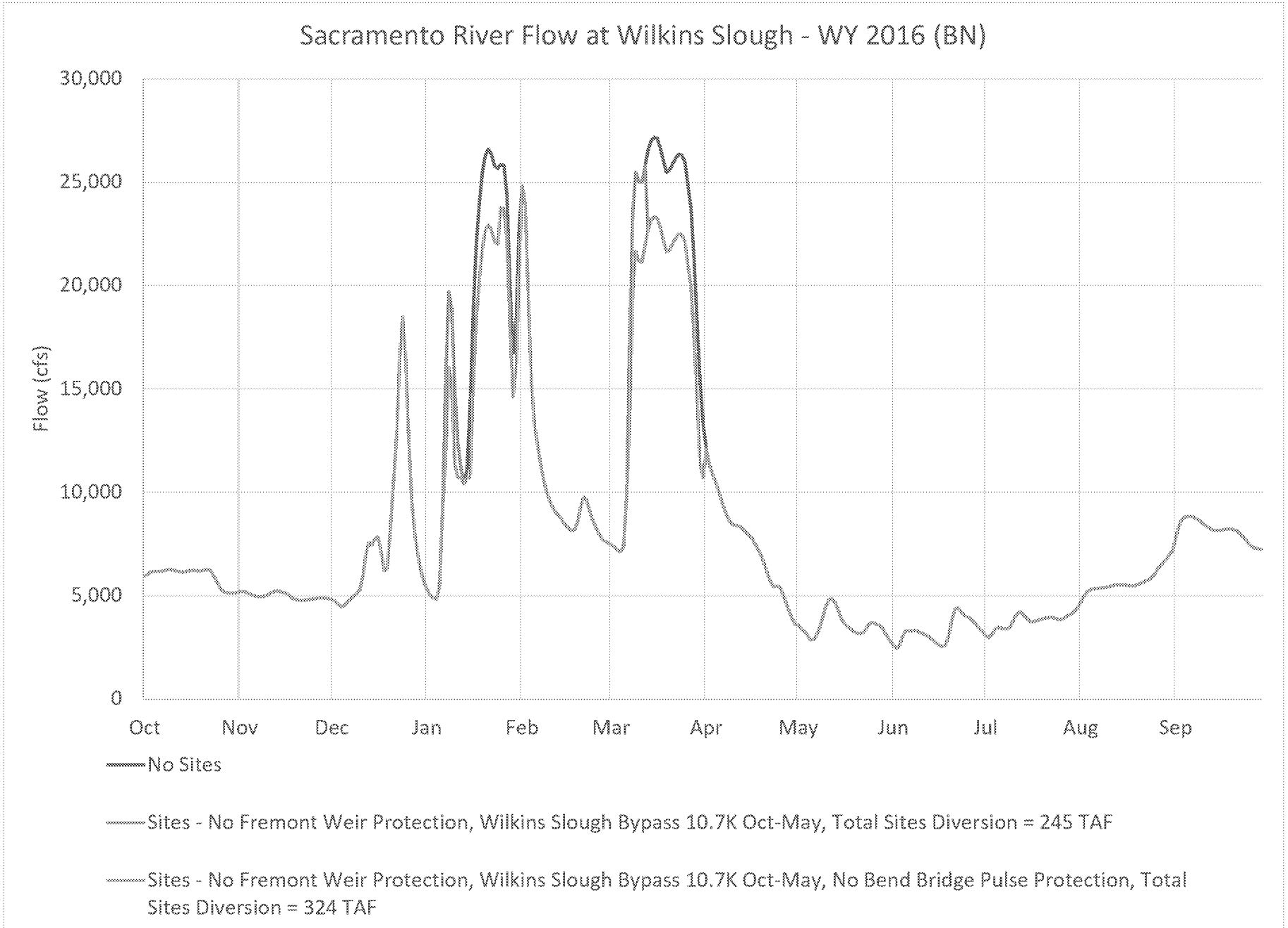
Sacramento River Flow at Wilkins Slough - WY 2016 (BN)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
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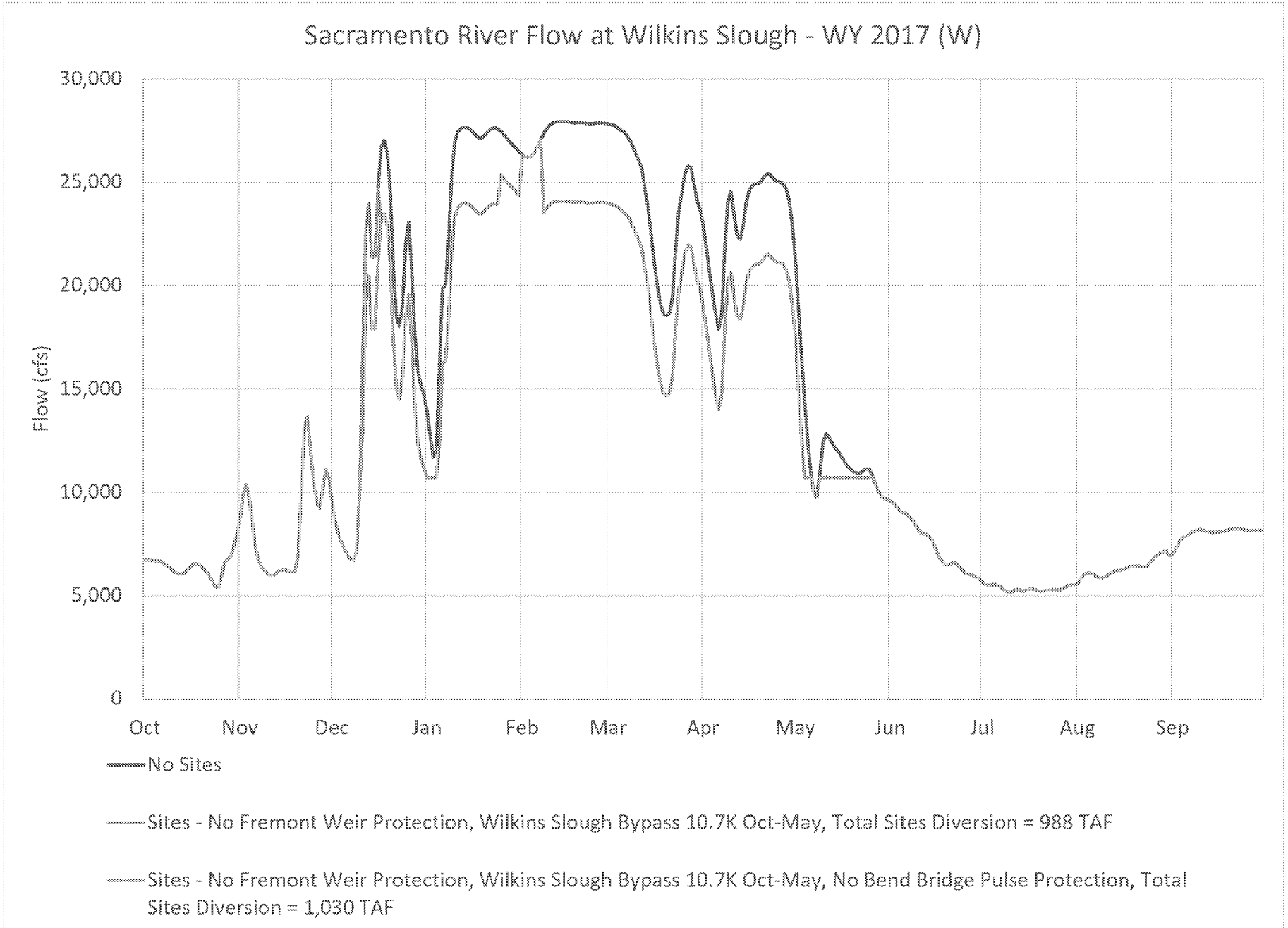
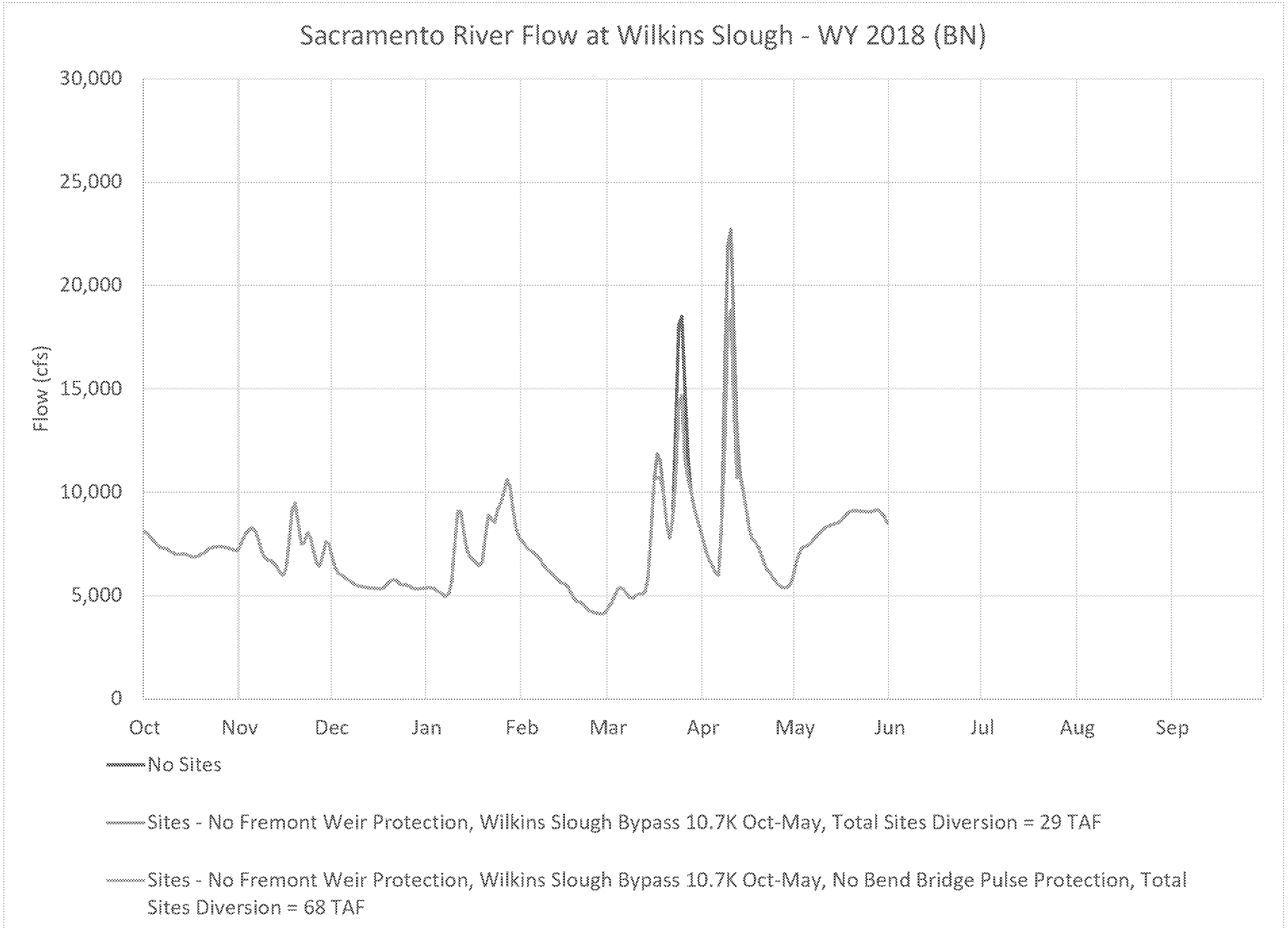
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 324 TAF


Sacramento River Flow at Wilkins Slough - WY 2017 (W)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 988 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 1,030 TAF


Sacramento River Flow at Wilkins Slough - WY 2018 (BN)
30,000
25,000
20,000
15,000
10,000
5,000
0
Flow (cfs)
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
No Sites
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, Total Sites Diversion = 29 TAF
Sites - No Fremont Weir Protection, Wilkins Slough Bypass 10.7K Oct-May, No Bend Bridge Pulse Protection, Total Sites Diversion = 68 TAF

From: Marcia Kivett [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=189D06A7F517441AA28325857F394D13-MKIVETT]
Sent: 11/16/2021 11:12:37 AM
To: 'Ali Forsythe' [aforsythe@sitesproject.org]
BCC: Marcia Kivett [MKivett@sitesproject.org]
Subject: FW: Sites - Chat about Working with Reclamation and Red Bluff PP Example

Is Jerry mandatory at this meeting? If yes, then December 6 at 3:00 could work for Bill, Jeff, Jerry and hopefully Pete. You have a Biweekly EIR/EIS Team Meeting that I assume you could move down 30 minutes.

From: Jeff Sutton <jsutton@tccanal.com>
Sent: Tuesday, November 16, 2021 10:23 AM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Cc: William Vanderwaal <WVanderwaal@rd108.org>; Jerry Brown <jbrown@sitesproject.org>; Heydinger, Erin <erin.heydinger@hdrinc.com>; Marcia Kivett <MKivett@sitesproject.org>
Subject: Re: Sites - Chat about Working with Reclamation and Red Bluff PP Example

Dec 3 or Dec 6 (3 pm become available) are best times for me.

Jeffrey P. Sutton
General Manager
Tehama-Colusa Canal Authority
P.O. Box 1025
Willows, CA 95988
Ph: (530) 934-2125
Cell: (530) 301-1030
jsutton@tccanal.com

Sent from my I Phone

On Nov 16, 2021, at 12:04 PM, Alicia Forsythe <aforsythe@sitesproject.org> wrote:

Excellent suggestion! I've forwarded this onto Pete also.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: William Vanderwaal <wvanderwaal@rd108.org>
Sent: Tuesday, November 16, 2021 9:00 AM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Jeff Sutton (jsutton@tccanal.com) <jsutton@tccanal.com>
Cc: Jerry Brown <jbrown@sitesproject.org>; Heydinger, Erin <erin.heydinger@hdrinc.com>; Marcia Kivett

<MKivett@sitesproject.org>
Subject: Re: Sites - Chat about Working with Reclamation and Red Bluff PP Example

Ali,
I've responded to the suggested times below. I would also suggest including Pete Rude in the discussion. He was my counterpart for the TCCA and was also instrumental in Lauren Carly's work setting the project up.

Cheers
Bill V

William Vanderwaal, P.E.
Deputy Manager - RD-108
Manager - Dunnigan WD
(530) 812-6276

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Tuesday, November 16, 2021 8:47 AM
To: Jeff Sutton (jsutton@tccanal.com) <jsutton@tccanal.com>; William Vanderwaal <wvanderwaal@rd108.org>
Cc: Jerry Brown <jbrown@sitesproject.org>; Heydinger, Erin <erin.heydinger@hdrinc.com>; Marcia Kivett <MKivett@sitesproject.org>
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I am thinking of a first meeting to have you both share the structure, how it worked, what worked well, what didn't go as well. We will take that info back and think about how we might fit Sites into this and then come back with a framework for Sites for your input.

Please let me know your availability for this first meeting on the dates/times below. This will be 1 hour and will be a Teams meeting.

Wednesday, December 1 – Anytime 1 to 5 PM I'll be at ACWA, so maybe?
Thursday, December 2 – anytime I'll be at ACWA, so maybe?
Friday, December 3 – 10 am to 11 am; noon to 1 pm Afternoon works for me.
Monday, December 6 – anytime 11 am to 4 pm Later in the afternoon is probably okay, say 3 pm.

Also, if anyone has the Project Management Plan or any of the structure documents from Red Bluff, I'd love to get a hold of these. Richard was also going to look for these but mentioned that he couldn't find them previously.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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Sent: 11/16/2021 1:27:37 PM
To: Marcia Kivett [MKivett@sitesproject.org]
Subject: RE: Sites - Chat about Working with Reclamation and Red Bluff PP Example

Jerry isn't mandatory. I saw he was out Dec 1 to 3 dates. I mostly just wanted him to know this was going on.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Marcia Kivett <MKivett@sitesproject.org>
Sent: Tuesday, November 16, 2021 11:13 AM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Subject: FW: Sites - Chat about Working with Reclamation and Red Bluff PP Example

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Friday, December 3 – 10 am to 11 am; noon to 1 pm Afternoon works for me.

Monday, December 6 – anytime 11 am to 4 pm Later in the afternoon is probably okay, say 3 pm.

Also, if anyone has the Project Management Plan or any of the structure documents from Red Bluff, I'd love to get a hold of these. Richard was also going to look for these but mentioned that he couldn't find them previously.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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Sites Reservoir
Sites

Key Presentation Take-Aways For MWDSC

Broad Statewide and Bipartisan Support

Key Environmental Benefits – Use of Excess Flows

Improves Reliability in Meeting Climate and Regulatory Challenges

Sites

Sites Strength is in its Broad Statewide Participation

Sacramento Valley

Carter Mutual Water Company
City of American Canyon
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Colusa County Water Agency
Cortina Water District
Davis Water District
Dunnigan Water District
Glenn County
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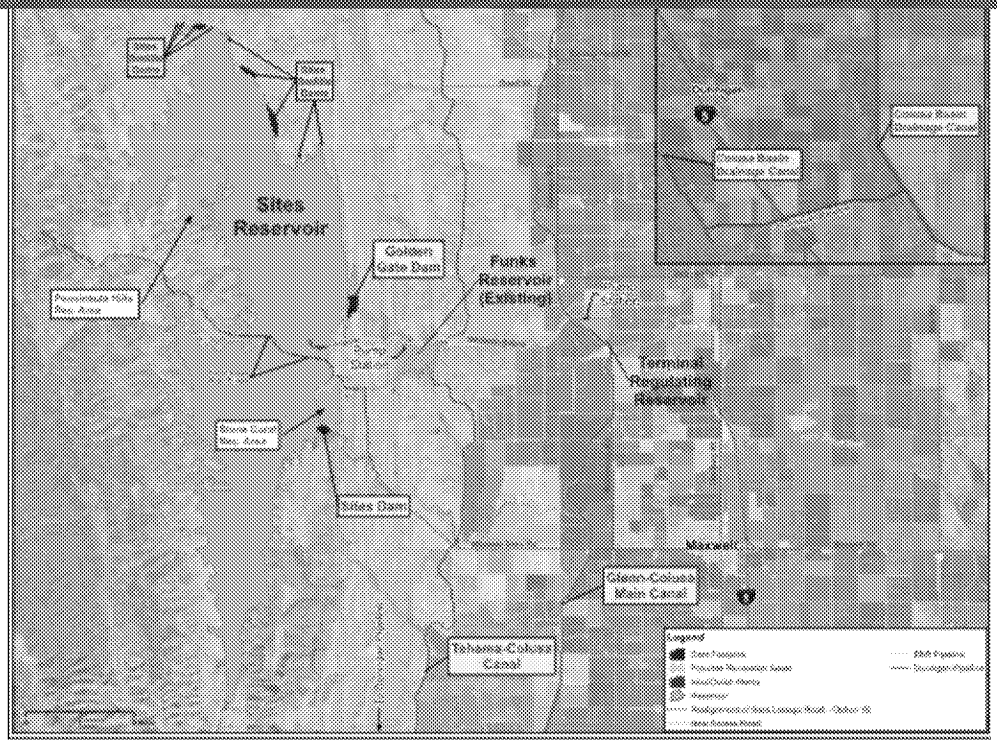

JP has map

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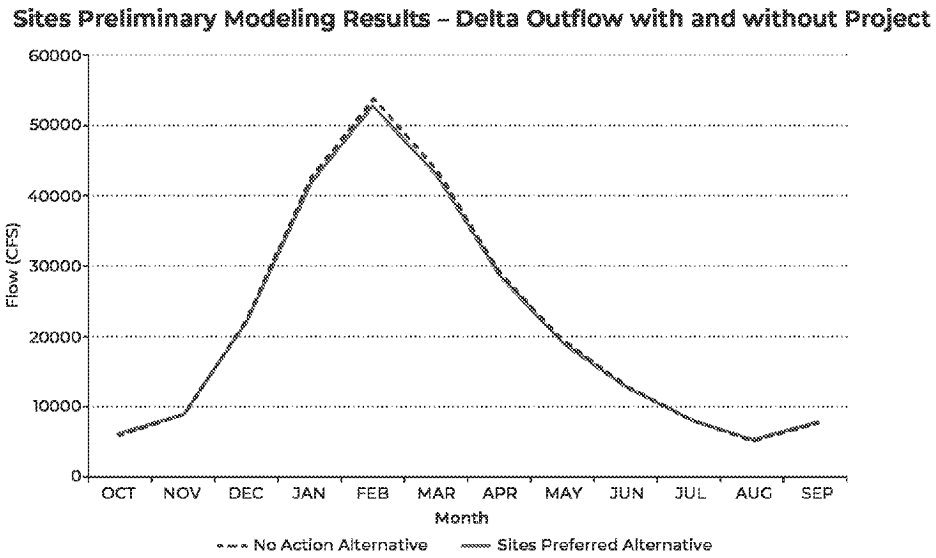

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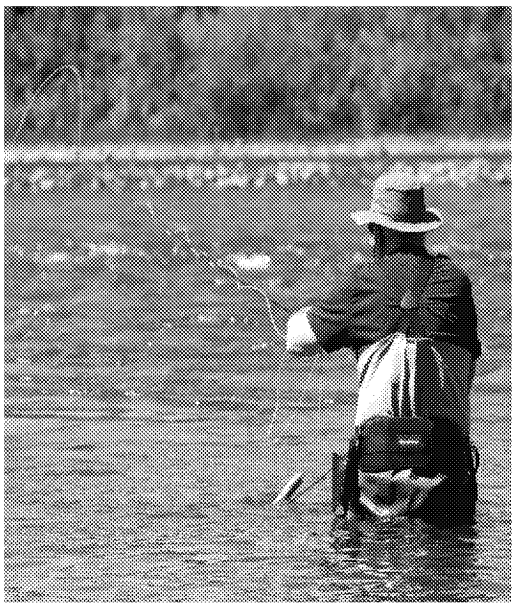

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Conveyance Release / Dunnigan Release	1,000 cubic feet per second (cfs) into new Dunnigan Pipeline to Colusa Basin Drain	1,000 cfs into new Dunnigan Pipeline to Sacramento River. Partial release into the Colusa Basin Drain	Same as Alt 1
Reclamation Involvement	**1. Funding Partner 2. Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges**	**Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges**	**Same as Alt 1, but up to 25% investment**
DWR Involvement	Operational Exchanges with Oroville and use of SWP facilities South-of-Delta	Same as Alt 1	Same as Alt 1
Route to West Side of Reservoir	Bridge across reservoir	Paved road around southern end of reservoir	Same as Alt 1

Ali has slide to send.

Sites is Affordable, Permittable and Buildable

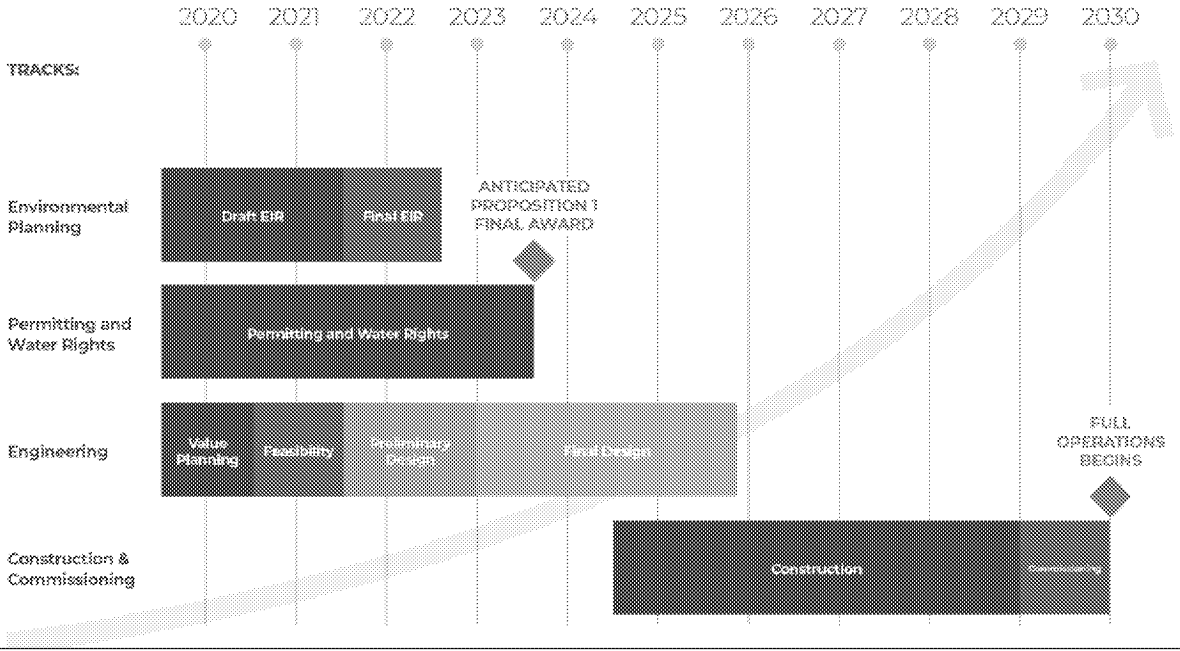
Reservoir Size (MAF)	Alternative 1 (1.5MAF)
Estimated Total Project Cost (2021$, billions)	~$3.9B
Estimated Annualized AF/year release (AFY)	~230,000
Estimated Unit Costs During Repayment Without WIFIA Loans (2021$, $/AF)	~$800
Estimated Unit Costs During Repayment With WIFIA Loans (2021$, $/AF)	~$700

*unit cost estimates based on reservoir losses and evaporation only. Does not include conveyance losses downstream of the Project.

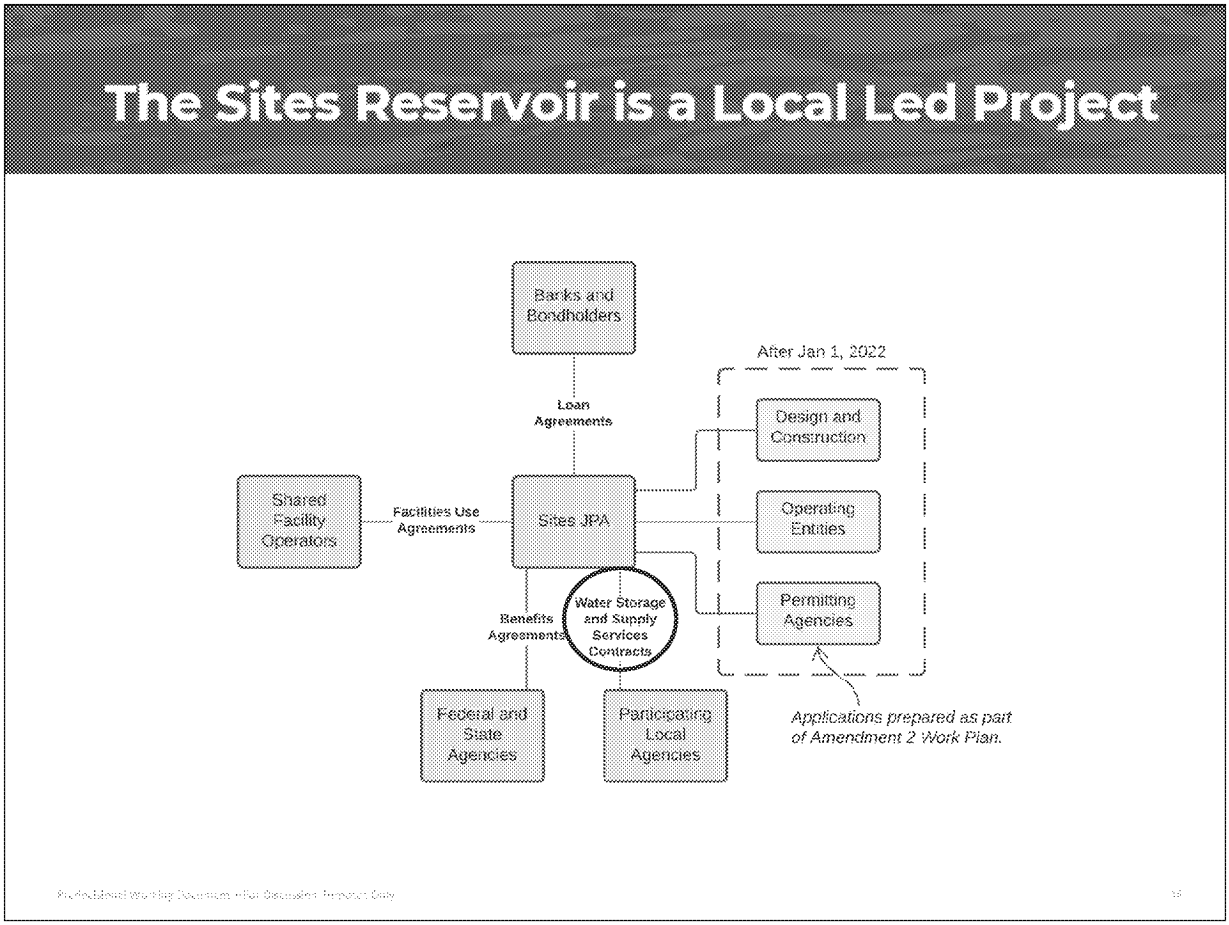
Sites

Looking Ahead

Sites Reservoir Project Schedule

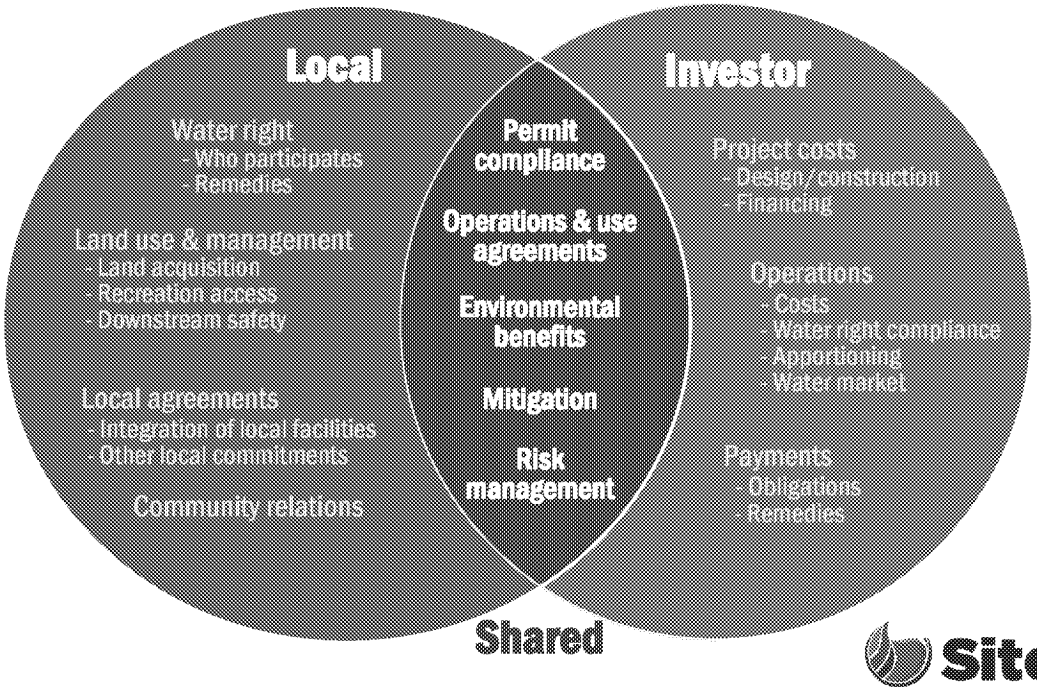


Questions
Sites



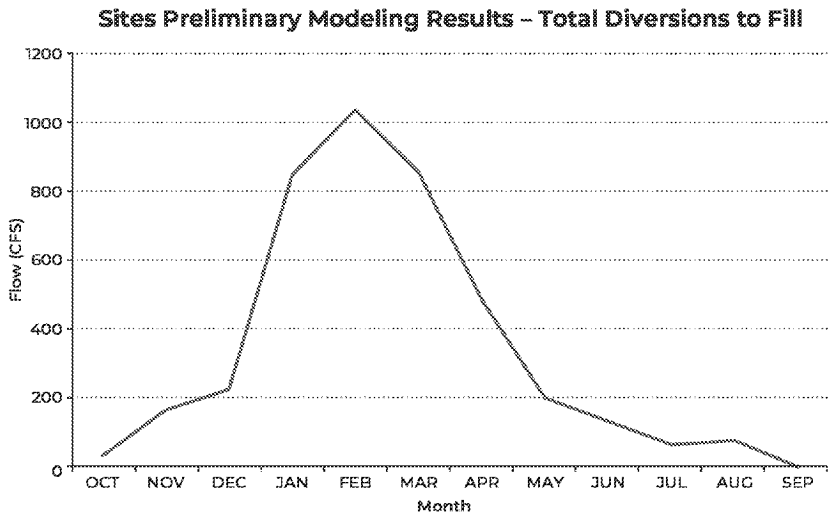
For today we are shifting from thinking of the project as a set of facilities and an operations model to a partnership stitched together by agreements. All of our work today shapes the formation of the agreement between the Sites JPA and the Participants. We acknowledge there are many other agreements, such as permits, which are being advanced currently, but today we are focused on the agreement that forms this team for the long haul.

Governance Interests



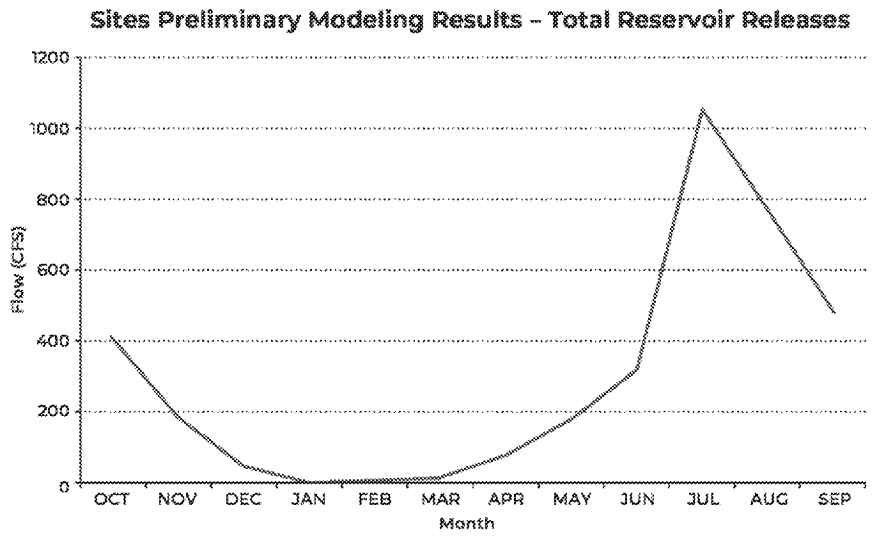
Sites

Sites Captures and Stores Stormwater



Sites

Sites Releases During Drier Periods



Sites

Sites Project Authority & Participants

Sacramento Valley

Authority Board (11 agencies)

Colusa County	4.5%
Colusa County Water District	4.6%
Glenn County	
Glenn-Colusa Irrigation District	2.2%
Placer County WA & City of Roseville	
Reclamation District 108	1.8%
Sacramento Co WA & City of Sacramento	
Tehama-Colusa Canal Authority	
Westside Water District	2.4%

Associate Members (6 non-voting)

Western Canal Water District	
Tehama-Colusa Four	
Cortina Water District	0.2%
Davis Water District	0.9%
Dunnigan Water District	1.3%.
LaGrande Water District	0.4%

Other (2 non-voting)

US Bureau of Reclamation (Cost-share)	7%
California Department of Water Resources (Ex Officio)	18%

Sacramento Valley

Reservoir Committee

American Canyon, City of	1.8%
Carter MWC	0.1%

Beyond the Sacramento Valley

Reservoir Committee

Antelope Valley-East Kern WA	0.2%
Coachella Valley Water District	4.5%
Desert Water Agency	2.9%
Metropolitan Water District	22.5%
Irvine Ranch Water District	0.4%
Rosedale Rio Bravo WSD	0.2%
San Bernardino Valley Muni WD	9.6%
San Gorgonio Pass Water Agency	6.3%
Santa Clara Valley Water District	0.2%
Santa Clarita Valley Water Agency	2.2%
Wheeler Ridge-Maricopa WSD	1.4%
Zone 7 Water Agency	4.5%

Local Water Agencies:

Reservoir Comm members: (Participants) **23**

Working Draft dated 2018 Mar 21

Dual governance

How many are participating at conference (e.g. UWI = 5)

Working Draft, Subject to Change

Sites Project Overview

From: Markham, John [John.Markham@icf.com]
Sent: 11/16/2021 6:47:20 PM
To: Spranza, John [john.spranza@hdrinc.com]; Arsenijevic, Jelica [Jelica.Arsenijevic@hdrinc.com]; Rude, Pete/RDD [Pete.Rude@jacobs.com]; Luu, Henry [henry.luu@hdrinc.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]; steve.micko@jacobs.com; Smith, Kristin [Kristin.Smith@hdrinc.com]; Alicia Forsythe [aforsythe@sitesproject.org]
CC: Vondergeest, Michael [Michael.Vondergeest@icf.com]; Briard, Monique [Monique.Briard@icf.com]
Subject: FW: CWA 404(b)(1) Memo: Site selection/screening criteria

Team –

Based on feedback from HDR and Jacobs (copied), we have revised the Clean Water Act 404(b)(1) memo screening/selection criteria for build alternatives in order to better characterize the constraints associated with onsite Alternative 2 (1.3 MAF alternative). In addition, we added another cost metric for "funding of no less than XX percent investment of total cost of construction," as this speaks to one of the primary differences between onsite Alternatives 1 and 3 and could give us the flexibility to screen out Alt 1 if needed. See below table, specifically for yellow-highlighted cost and logistics criteria as well as footnotes.

We are requesting your assistance for the following: 1) edits/comments; 2) brief statements comparing onsite Alternatives 1/3 (1.5 MAF alternatives) and onsite Alternative 2 against the new screening criteria; 3) supporting studies or preliminary technical analyses for source citations (e.g., initial hydrologic modeling results, refined cost projections); and, 4) whether onsite Alternative 2 would not meet any of the (5) NEPA objectives.

TABLE 2. SITE SCREENING/SELECTION CRITERIA

Screening/Selection Criteria	Descriptors and Metrics
Consistency with the overall NEPA project purpose(s)	
Objective 1	• Increased water supply and improved reliability of water deliveries (Y/N)
Objective 2	• Increased CVP operational flexibility (Y/N)
Objective 3	• Benefits to anadromous fish by improving Central Valley Project operations consistent with the laws, regulations, and requirements in effect at the time of operation (Y/N)
Objective 4	• Incremental Level 4 water supply for CVP Improvement Act refuges (Y/N)
Objective 5	• Delta ecosystem enhancement by providing water to convey food resources (Y/N)
Permanent direct and/or indirect impacts to potential wetland and non-wetland waters of the U.S./State	
Metric 1	• Loss of wetlands (acres)
Metric 2	• Loss of non-wetlands (acres)
Metric 3	• Loss/conversion of ecological functions (high, medium, low)
Availability	
Metric 1	• Associated properties could reasonably be acquired, are zoned appropriately, or are reasonably capable of being re-zoned (Y/N)
Practicability (cost, logistics, existing technology)	
Cost	
Metric 1	• Construction or acquisition costs would result in a cost increase of no greater than 15 percent over the applicant-preferred alternative (Project) (Y/N)

Metric 2	• Reclamation funding of no less than XX percent investment of total cost of construction (Y/N)
Metric 3	• Annual operations costs during (30-year) repayment period would result in a cost increase of no greater than 15 percent over the applicant-preferred alternative (Project) (Y/N)
Logistics	
Metric 1	• Located north of the Delta (Y/N)
Metric 2	• Existing borrow areas, utilities, and access roads are available in the vicinity (Y/N)
Metric 3	• Meet existing water supply requirements for participating members and programs[1] during all water years (wet, above normal, below normal, dry, and critically dry) (Y/N)
Metric 4	• Meet environmental water supply needs, including projected mitigation offsets[2], for listed species during all water years (Y/N)
Existing technology	• Meet site constraints such as steep topography and sensitive natural resources (e.g., watercourses) (Y/N)
Other relevant environmental impacts in the USACE scope of analysis	
Metric 1	• Special status species (high, medium, low)
Metric 2	• Cultural resources (high, medium, low)

[1] Participating members and programs include the following: GCID, TCCA, Reclamation District 108, Colusa County, other Sacramento Valley participants, South of Delta participants, plus Proposition 1 deliveries for Incremental Level 4 refuge water supply (Refuge Level 4) and Yolo Bypass.
[2] Environmental water supply needs, including mitigation offsets, are anticipated to be required by the USFWS and NMFS pursuant to ESA Section 7 and the California Department of Fish and Wildlife (CDFW) pursuant to California Department of Fish and Game Code Sections 1600 et al. and 2081 et. al.

JOHN W. MARKHAM, MPH, PWS | Senior Ecologist & Regulatory Specialist | mobile: 805.698.3240 | john.markham@icf.com |

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Sites Reservoir Project

RDEIR/SDEIS Frequently Asked Questions

The following questions and answers are meant to respond to common questions about the potential environmental impacts of the proposed Sites Reservoir Project.

1. **Would Sites Reservoir divert water from the Sacramento River during dry and critically dry years?**

   Yes, even during drier years there can be significant precipitation events that present conditions where water can be diverted safely from the river and placed in Sites Reservoir. All diversions would be subject to the highly protective operating conditions that are currently being proposed for the Sites Reservoir Project.

2. **Would Sites Reservoir meaningfully address future droughts?**

   Sites Reservoir is an insurance policy for future droughts. Sites Reservoir does not rely on snowpack and if the scientific projections are correct about the impacts of climate change (i.e., California is expected to receive about the same annual precipitation that it currently does but more will come as rain than snow and be subject to year-to-year variability), then having Sites Reservoir would mean we can collect more water in the reservoir for use during future droughts.

3. **Would Sites Reservoir decrease Delta flows?**

   Yes, slightly, when the Project is diverting. However, since the Sites Reservoir diversions would occur only when there are high river flows, any reduction to Delta flows would be minor and would not impact any of the beneficial uses of the water in the Delta. Storing water in Sites Reservoir during times when there is a lot of flow in the Sacramento River for use during times when the flows are low, including during drought periods, is part of the statewide strategy for adapting to changing climate conditions and to return much needed flexibility to our statewide water management system.

4. **Have concerns about the impact of Sites Reservoir operations on the environment been addressed in the current proposal?**

   The Project operations have been modified substantially over the last two years to be more protective of the environment. These modifications have reduced the Project diversions from the Sacramento River substantially (almost in half) as compared to the criteria proposed in 2017. The current Project operations strikes the needed balance between environmental protections and Project affordability that has to exist for the Project to proceed.

5. **Does this Project impact the Trinity River?**

   The Project would not affect or result in changes in the operation of the Central Valley Project (CVP), Trinity River Division facilities (including Clear Creek). Reclamation would continue to operate the Trinity River Division consistent with all applicable statutory, legal, and contractual obligations, including but not limited to the Trinity River Record of Decision (ROD), the 2017 ROD for the Long-Term Plan for the Lower Klamath River, and the provision of (not less than) 50,000 acre-feet identified in Trinity River Division Central Valley Project Act of 1955 to be made available to Humboldt County and downstream water users.

6. How does this Project impact water quality in the Sacramento River and Delta?

The Project would have some impacts to water quality and would also enhance beneficial uses of water, even improving water quality in some areas. For example, increases in outflow in drier years could reduce seawater intrusion into the Delta. During those same periods, exchanges with Sites water could benefit fish by preserving cold-water supplies from Shasta Lake, Lake Oroville, and Folsom Lake later into the year. The Sites Project Authority would implement best management practices to minimize any potential water quality impacts associated with facility operations and maintenance. These would include actions to prevent spills and reduce runoff that may cause sediment or contaminants to flow into waterbodies. Monthly water quality testing would be performed for discharges moving into and through the Yolo Bypass, and mitigation measures – such as mercury sediment management – would be implemented to counteract any impacts to water quality.

7. How will the Project benefit anadromous fish?

The additional water supply provided by Sites Reservoir may provide opportunities for improved management of salmonid habitat, particularly in the Sacramento River above Red Bluff Diversion Dam. By exchanging Sites water for CVP water, Reclamation has an additional tool to maintain and improve habitat for salmonid spawning, incubation, rearing, and migration. By delivering water to CVP contractors from Sites Reservoir, Reclamation may maintain supply in Shasta Lake for important periods to support these habitat conditions. The possible additional water supply in Shasta Lake can then be allocated during real-time management scenarios for a number of uses (e.g., cold-water pool maintenance, spring pulse or fall pulse flow events, reduced fall flows) that may provide enhanced anadromous fish benefits.

8. Will this Project curtail or otherwise reduce allocations for other water right holders?

Sites Reservoir would only divert water when flows in the Sacramento River meet minimum diversion criteria, when the Delta is in "excess" conditions, when all senior downstream water rights have been met, when all environmental permit conditions have been met, and when there is excess capacity within the conveyance facilities, such as the Tehama-Colusa and Glenn-Colusa Canals. The Project would not curtail or otherwise reduce allocations of water for other water right holders.

Sites Reservoir
Sites

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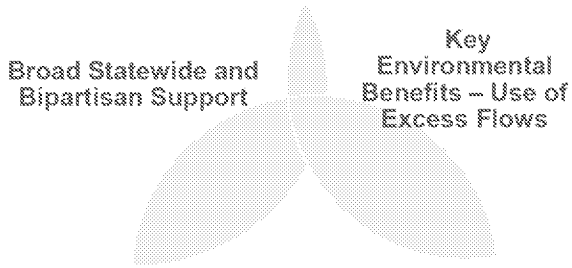

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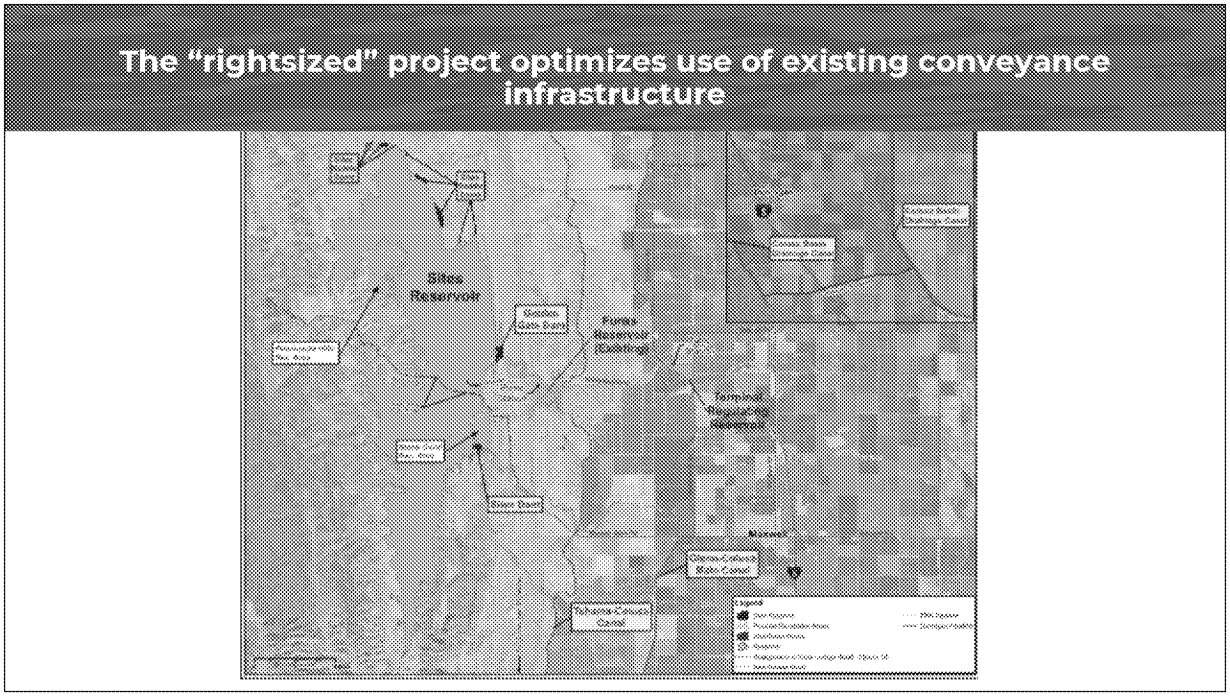
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Terminal Regulating Reservoir
Bureau

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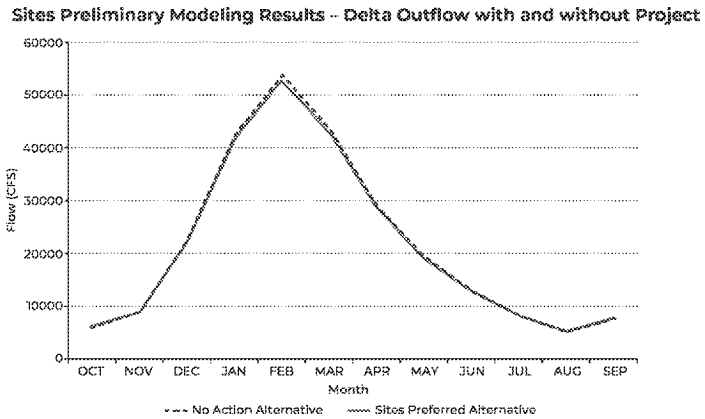

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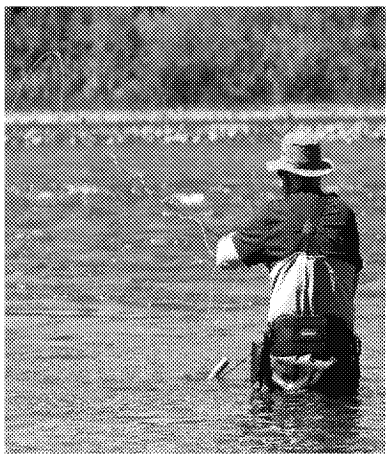

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Diversion Locations	Red Bluff Pumping Plant and Hamilton City	Same as Alt 1	Same as Alt 1
Conveyance Release / Dunnigan Release	1,000 cubic feet per second (cfs) into new Dunnigan Pipeline to Colusa Basin Drain	1,000 cfs into new Dunnigan Pipeline to Sacramento River. Partial release into the Colusa Basin Drain	Same as Alt 1
Reclamation Involvement	1. Funding Partner 2. Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges	Operational Exchanges a. Within Year Exchanges b. Real-time Exchanges	Same as Alt 1, but up to 25% investment
DWR Involvement	Operational Exchanges with Oroville and use of SWP facilities South-of-Delta	Same as Alt 1	Same as Alt 1
Route to West Side of Reservoir	Bridge across reservoir	Paved road around southern end of reservoir	Same as Alt 1

Sites

Ali has slide to send.

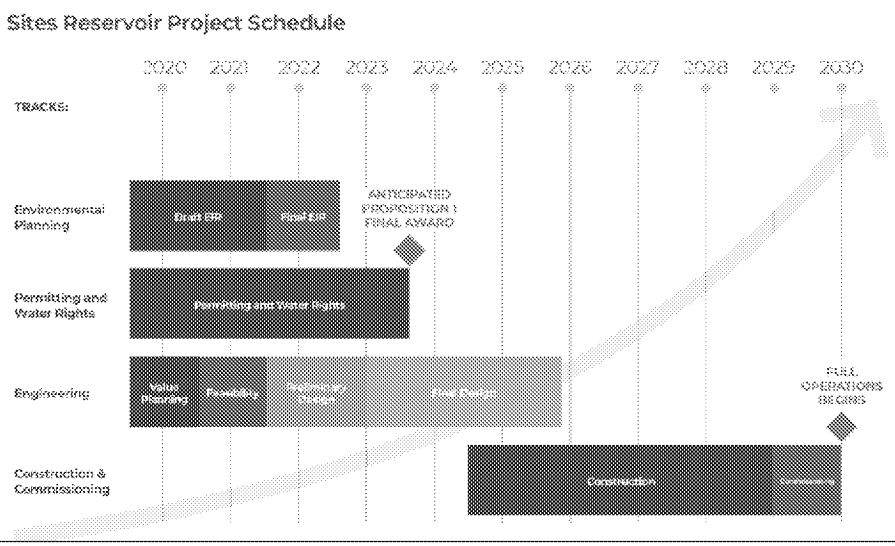
Sites is Affordable, Permittable and Buildable

Reservoir Size (MAF)	Alternative 1 (1.9MAF)
Estimated Total Project Cost (2021$, billions)	~$3.9B
Estimated Annualized AF/year release (AFY)	~230,000
Estimated Unit Costs During Repayment Without WIFIA Loans (2021$, $/AF)	~$800
Estimated Unit Costs During Repayment With WIFIA Loans (2021$, $/AF)	~$700

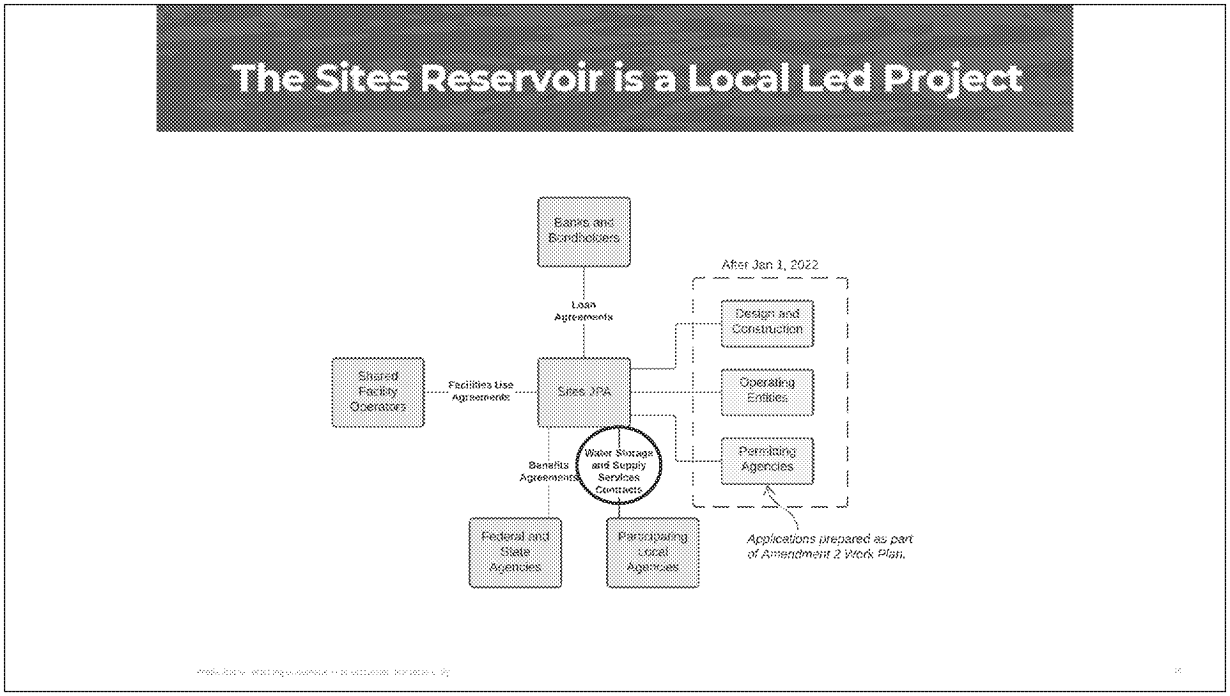
*unit cost estimates based on reservoir losses and evaporation only. Does not include conveyance losses downstream of the Project.

Sites

Looking Ahead

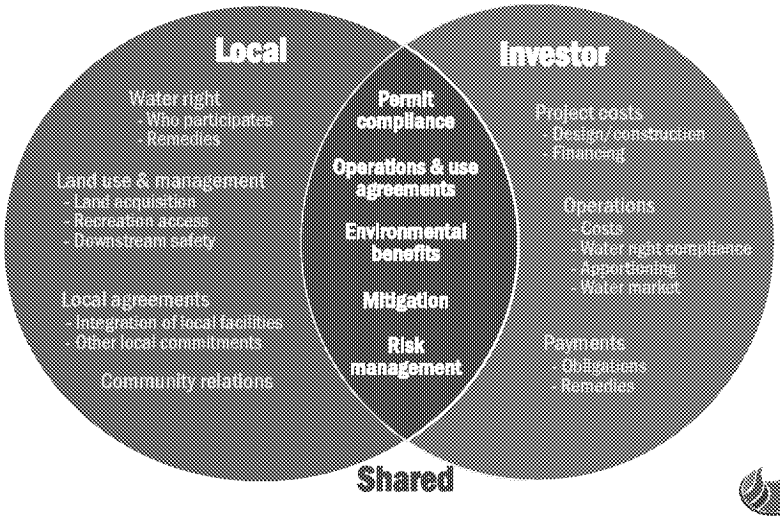


Questions
Sites



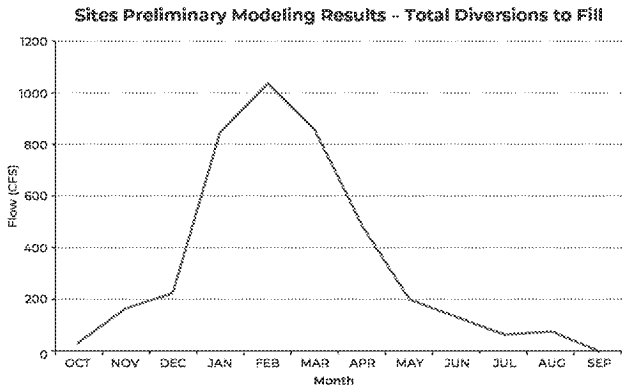
For today we are shifting from thinking of the project as a set of facilities and an operations model to a partnership stitched together by agreements. All of our work today shapes the formation of the agreement between the Sites JPA and the Participants. We acknowledge there are many other agreements, such as permits, which are being advanced currently, but today we are focused on the agreement that forms this team for the long haul.

Governance Interests



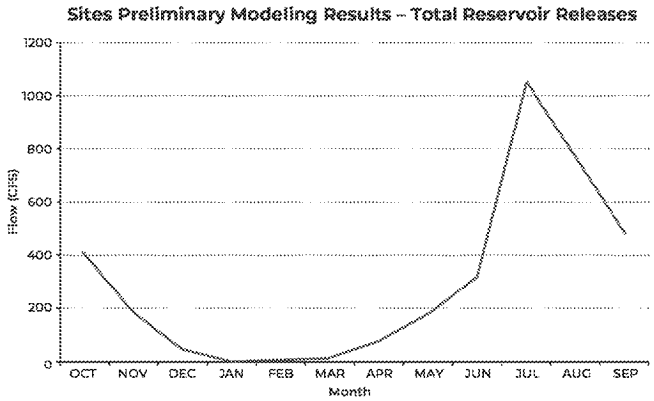
Sites

Sites Captures and Stores Stormwater

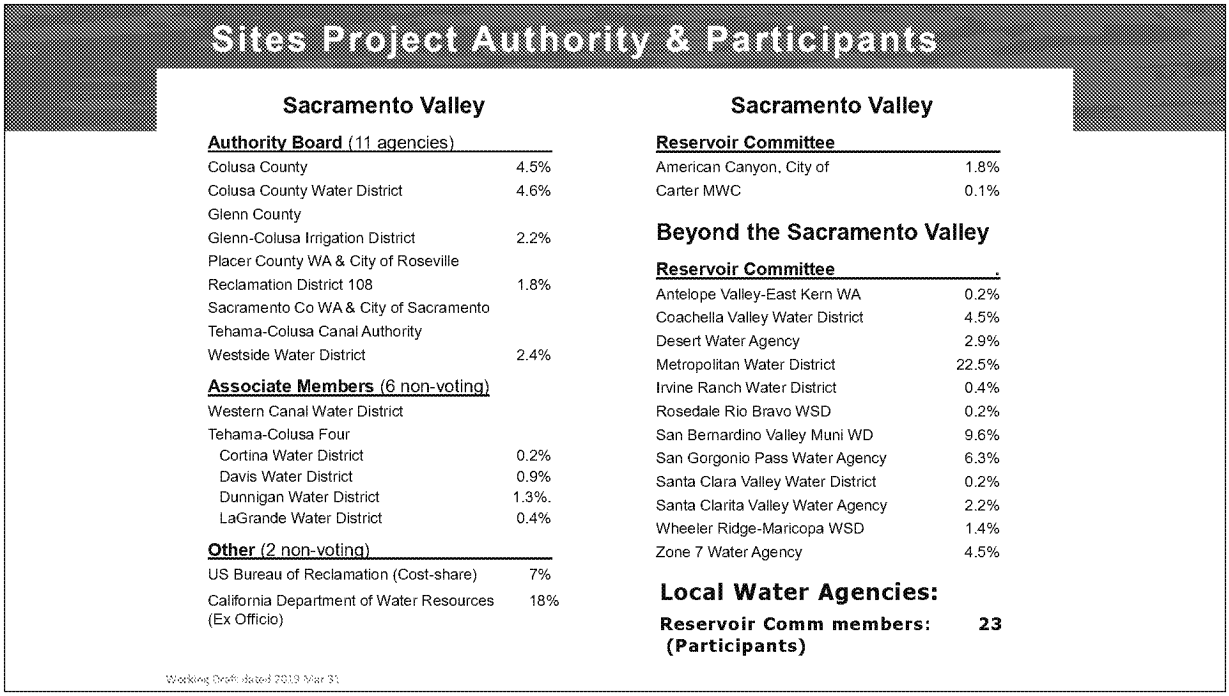


Sites

Sites Releases During Drier Periods



Sites



Dual governance

How many are participating at conference (e.g. UWI = 5)

Working Draft, Subject to Change

Sites Project Overview

From: Janis Offermann [janis@horizonh2o.com]
Sent: 11/17/2021 2:27:47 PM
To: Laverne Bill [LBill@yochadehe-nsn.gov]; Kevin Spesert [kspesert@sitesproject.org]; Alicia Forsythe [aforsythe@sitesproject.org]; Laurie Warner Herson [laurie.warner.herson@phenixenv.com]
CC: Victoria Delgado [VDelgado@yochadehe-nsn.gov]; Rebekah Canavesio [RCanavesio@yochadehe-nsn.gov]
Subject: Cancellation of meeting tomorrow

Hi Everyone
Laverne and I chatted yesterday and decided to cancel our meeting scheduled for tomorrow since he has still not received the site record information from DWR. On that note, I called DWR to inquire about the status of getting the data to Yocha Dehe, and left a message with Jackie Waite, their archaeologist who is in possession of the site records. If I don't hear from her today, I will reach out to Anecita, at DWR, tomorrow.

I will keep you posted.
Thanks
janis

Janis Offermann
Cultural Resources Practice Leader
Horizon Water and Environment
400 Capitol Mall, Suite 2500
Sacramento, CA 95814
916.465.8076 – office
530.220.4918 – mobile

Sites

CALIFORNIA DROUGHT

Sites Reservoir as Part of the Solution

2021 IS THE TYPE OF YEAR SITES RESERVOIR IS DESIGNED FOR

Today almost all of California is experiencing drought, with some areas already facing extreme drought conditions. After a dry winter, many water agencies, farmers, and resource managers will need additional water supplies to get through the even drier summer months ahead. If Sites Reservoir were operational today, California would have nearly 1,000,000-acre feet more water available to them to help get through challenging drought conditions.

If Sites had already been built, more than 1 million acre feet of additional water would be available today to support the environment, farms and cities in 2021.

WHAT IS SITES RESERVOIR?

A modern water storage project that benefits the environment, families, and farms.

Sites Reservoir is a 21st century project that can meet the needs of today and tomorrow. While many traditional water storage projects were designed and built to capture snowmelt, the realities of climate change mean less snow and more rain for California. To capture the excess water from faster moving and often more intense storms that come more frequently, we need a new model for water storage. As an off-stream reservoir, Sites Reservoir captures excess water from major storms. This water is saved and used later when it's most needed.

A RESILIENT WATER FUTURE DEPENDS ON SITES RESERVOIR

As we see longer, drier droughts, punctuated by major storms that produce a tremendous amount of water, the need for Sites Reservoir increases. Our current infrastructure was not designed with our future climate in mind, but Sites Reservoir is. 2021 is an example of how beneficial Sites Reservoir could be to California in future years. It's time to build Sites Reservoir now.

COOPERATIVE OPERATION
Increases effectiveness and efficiency of existing water storage infrastructure

ADAPTABLE TO CLIMATE CHANGE
Contributes to system reliability and performance with climate change

DRY YEAR WATER SUPPLY
Reliable dry year water supply for California communities, farms and businesses

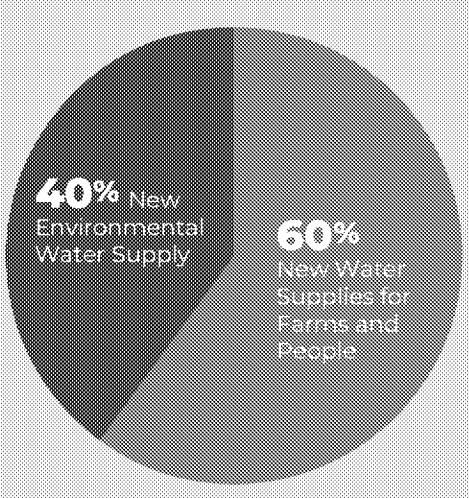
ENVIRONMENTAL SUPPORT
Provides environmental water in drier periods for native fish, and habitat for native species and birds

OFF-STREAM STORAGE
Does not create a barrier to native fish migration

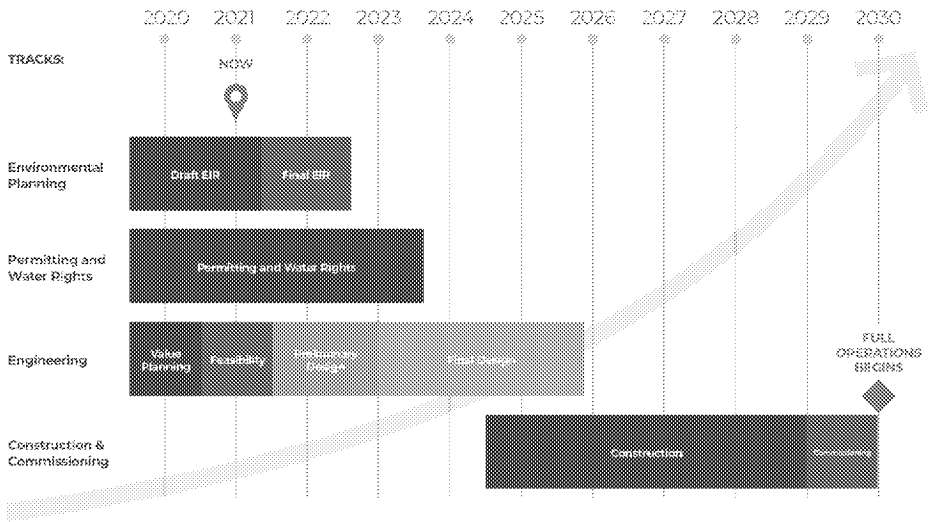
FEDERAL AND STATE AGENCIES MANAGE ENVIRONMENTAL WATER
Adaptable to current and future conditions and priorities

LOCAL LEADERSHIP AND COOPERATION
Aligns with Sacramento Valley's values and fosters regional and statewide collaboration

RECREATIONAL OPPORTUNITIES
Provides northern Sacramento Valley with additional opportunities for recreation



SITES RESERVOIR PROJECT SCHEDULE



30 participants span California

Antelope Valley - East Kern Water Agency
Bureau of Reclamation
California Department of Water Resources
Carter Mutual Water Company
City of American Canyon
City of Roseville
City of Sacramento
Coachella Valley Water District
Colusa County
Colusa County Water District
Cortina Water District
David Water District
Desert Water
Dunnigan Water District
Glenn County
Glenn Colusa Irrigation District
Irvine Ranch Water District
La Grande Water District
Metropolitan Water District of Southern California
Reclamation District 108
Rosedale-Rio Bravo Water Storage District
Sacramento County
San Bernardino Valley Municipal Water District
San Gorgonio Pass Water Agency
SCV Water
Tehama Colusa Canal Authority
Western Canal Water District
Westside Water District
Wheeler Ridge-Maricopa Water Storage District
Zone 7 Water Agency

SITESPROJECT.ORG

Draft_0013697

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/18/2021 1:59:12 PM
To: Jerry Brown [jbrown@sitesproject.org]
Subject: FW: Sites - Member Deliveries for Study 5, 15 and 16

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: JP Robinette <JRobinette@BrwnCald.com>
Sent: Wednesday, November 17, 2021 10:52 AM
To: Brian Grubbs <grubbs@montaguederose.com>; Alicia Forsythe <aforsythe@sitesproject.org>; Heydinger, Erin <erin.heydinger@hdrinc.com>
Cc: Doug Montague <montague@montaguederose.com>
Subject: RE: Sites - Member Deliveries for Study 5, 15 and 16

Thanks Brian.

Erin, can you answer Brian's question about federal releases highlighted below?

Ali, assuming we don't need more adjustments for federal releases, I think I estimated a $120 impact yesterday when we talked and that looks to be pretty close ($106 to $130). In the past I have shown Case 3 for a more aggressive case and Case 1 for a more conservative case. Does this meet your needs?

Thanks,

JP Robinette, PE*
Brown and Caldwell
JRobinette@brwncald.com
T 916.853.5312 | **C** 801.819.4306
*Professional Registration in Specific States

From: Brian Grubbs <grubbs@montaguederose.com>
Sent: Wednesday, November 17, 2021 9:22 AM
To: JP Robinette <JRobinette@BrwnCald.com>
Cc: Alicia Forsythe <aforsythe@sitesproject.org>; Doug Montague <montague@montaguederose.com>
Subject: RE: Sites - Member Deliveries for Study 5, 15 and 16

With the question of Federal releases still outstanding here is a table providing the $/AF yield with notes from Steve's table and our assumptions
Also since the release amounts are rounded to the nearest TAF, these numbers could be refined slightly

Plan of Finance -- 3yr workplan (10/28/2021)
Table 5: Total Debt Service and Annual Operating Cost -notes 2,3

Study Name	Long-term Average Sites Member Releases[1] (TAF)	Case 1: Historical Average Rates (no WIFIA)	Case 2: Historical Average Rates with WIFIA	Case 3: Current Rates (no WIFIA)	Case 4: Current Rates with WIFIA	Case 5: Current Rates with Larger WIFIA Loan
		($000s)	($000s)	($000s)	($000s)	($000s)
		151,842	147,208	133,271	129,803	125,114
		($/AF Yld)	($/AF Yld)	($/AF Yld)	($/AF Yld)	($/AF Yld)
ALT1B 011221	168	904	876	793	773	745
Study 5	161	943	914	828	806	777
Study 15	149	1,019	988	894	871	840
Study 16	147	1,033	1,001	907	883	851

1. Total Sites releases minus Sites releases from the Prop 1 account
2. Changes in variable cost to participants is treated as negligible and so not adjusted
3. Reductions in yield from ALT1B 011221 level are all taken from participant accounts

Brian Grubbs | Managing Director
Montague DeRose and Associates
916-712-1747

From: Brian Grubbs <grubbs@montaguederose.com>
Sent: Wednesday, November 17, 2021 8:57 AM
To: 'JP Robinette' <JRobinette@BrwnCald.com>
Cc: 'Alicia Forsythe' <aforsythe@sitesproject.org>; Doug Montague <montague@montaguederose.com>
Subject: RE: Sites - Member Deliveries for Study 5, 15 and 16

JP,
I would agree that would create a non-bifurcated long term average $/AF. We can create a bifurcated $/AF by spreading the drop in water yield pro-rata to the participants if needed.

One question: Note 1 below in Steve Mickos table says "[1]Total Sites releases minus Sites releases from the Prop 1 account", but what about the federal releases. Isn't the 168 TAF total Sites release less federal and less Prop 1?

Brian Grubbs | Managing Director
Montague DeRose and Associates
916-712-1747

From: JP Robinette <JRobinette@BrwnCald.com>
Sent: Wednesday, November 17, 2021 6:41 AM
To: Brian Grubbs <grubbs@montaguederose.com>
Cc: Alicia Forsythe <aforsythe@sitesproject.org>; Doug Montague <montague@montaguederose.com>
Subject: Fwd: Sites - Member Deliveries for Study 5, 15 and 16

Brian,

See below. Rather than rerunning the model, can we just divide the highlighted numbers by the yields for participants that Steve provided below to get sort of a non-bifurcated, long-term average $/AF? I think two assumptions are key here:

- Annual cost does not change with the revised yield (variable costs would change, but it is negligible).
- Participants take all the reduction in yield in these scenarios.

Table 5

3 Year Work Plan

Bifurcated Debt Service + Annual Operating Cost (Average) ($1000s)

Entity	Case 1: Historical Average Rates (no WIFIA)	Case 2: Historical Average Rates with WIFIA	Case 3: Current Rates (no WIFIA)	Case 4: Current Rates with WIFIA	Case 5: Current Rates with Larger WIFIA Loan
	(2021$)	(2021$)	(2021$)	(2021$)	(2021$)
Antelope Valley-East Kern Water Agency	458	444	402	392	378
Carter Mutual Water Company	262	254	230	224	216
City of American Canyon	3,667	3,555	3,218	3,134	3,021
Coachella Valley Water District	9,167	8,887	8,045	7,836	7,553
Colusa County	8,727	8,461	7,660	7,461	7,192
Colusa County Water District	8,791	8,523	7,716	7,516	7,244
Cortina Water District	393	381	345	336	324
Davis Water District	1,745	1,692	1,532	1,492	1,438
Desert Water Agency	5,958	5,776	5,229	5,093	4,909
Dunnigan Water District	2,594	2,515	2,277	2,217	2,137
Glenn-Colusa Irrigation District	4,364	4,230	3,830	3,731	3,596
Irvine Ranch Water District	917	889	804	784	755
La Grande Water District	873	846	766	746	719
Metropolitan Water District of Southern California	45,834	44,435	40,227	39,180	37,764
Reclamation District 108	3,491	3,384	3,064	2,984	2,877
Rosedale-Rio Bravo Water Storage District	458	444	402	392	378
San Bernardino Valley Municipal Water District	19,617	19,018	17,217	16,769	16,163
San Gorgonio Pass Water Agency	12,833	12,442	11,264	10,970	10,574
Santa Clara Valley Water District	458	444	402	392	378
Santa Clarita Valley Water Agency	4,583	4,443	4,023	3,918	3,776
Westside Water District	4,691	4,548	4,117	4,010	3,866
Wheeler Ridge-Maricopa Water Storage District	2,796	2,711	2,454	2,390	2,304
Zone 7 Water Agency	9,167	8,887	8,045	7,836	7,553
Total	151,842	147,208	133,271	129,803	125,114

DRAFT

Get Outlook for iOS

From: Micko, Steve/SAC <Steve.Micko@jacobs.com>
Sent: Tuesday, November 16, 2021 5:00:25 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Cc: Heydinger, Erin <Erin.Heydinger@hdrinc.com>; JP Robinette <JRobinette@BrwnCald.com>; Leaf, Rob/SAC <Rob.Leaf@jacobs.com>
Subject: RE: Sites - Member Deliveries for Study 5, 15 and 16

Hi Ali,

Right now, releases to all accounts change as a result of the changing diversion criteria.

That being said, I did some back of the envelope calculations.
I tabulated member releases, assuming no changes to Prop 1 releases, for each of the requested studies.

Study Name	Long-term Average Sites Member Releases[1] (TAF)
ALT1B 011221	168
Study 5	161
Study 15	149
Study 16	147

[1]Total Sites releases minus Sites releases from the Prop 1 account

These results are subject to change with refined modeling (that holds Prop 1 releases constant).

Please let me know if you have any questions.

Best,
Steve

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Tuesday, November 16, 2021 4:24 PM
To: Micko, Steve/SAC <Steve.Micko@jacobs.com>
Cc: Heydinger, Erin <erin.heydinger@hdrinc.com>; JP Robinette <jrobinette@brwncald.com>
Subject: [EXTERNAL] Sites - Member Deliveries for Study 5, 15 and 16
Importance: High

Steve – I could use some quick help. We are looking for member release for Study 5, 15, and 16. We should assume that the State water stays the same in all of these (meaning they do not take a reduction in yield with the changes in diversion criteria).

Do you have these numbers handy or is this something that is done more post processing (as we need to hold the State's releases constant)? I am looking for an number equivalent to the 167,640 AF that we in Alt 1B for each of these studies.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Janis Offermann [janis@horizonh2o.com]
Sent: 11/19/2021 9:52:41 AM
To: Alicia Forsythe [aforsythe@sitesproject.org]; Kevin Spesert [kspesert@sitesproject.org]; Laurie Warner Herson [laurie.warner.herson@phenixenv.com]
CC: Risse, Danielle [Danielle.Risse@hdrinc.com]; Lassell, Susan [Susan.Lassell@icf.com]; Havelaar, Christiaan [Christiaan.Havelaar@icf.com]; Rogers, Jenifer [Jenifer.Rogers@icf.com]
Subject: Site record for Yocha Dehe

Hi, Ali
When I talked with Laverne earlier this week, he clarified that Yocha Dehe asked DWR for a GIS layer with the site records linked to the site points and polygons. I was (and I think we all were) originally under the impression that Yocha Dehe would do that task in-house since they have all of the shapefiles for the sites, along with GIS staff; plus, they had mentioned just wanting the site records, not the GIS package. This week, I sent emails and left phone messages to DWR's cultural resources lead, Jackie Waite, and their Tribal Coordinator, Anecita Agustinez, to inquire about the status of the delivery of the data, noting that the revised EIR is now out for public review, so completing our AB52 consultations was of the utmost priority.

Anecita gave me a call back this morning. She said that she had left that task to Jackie, and she would check in with her, but thought that staff availability, along with not having a specific budget for the work, were probably causing the delay.

The cultural team talked about this issue during our call this week. ICF could potentially due the work, and it is something that would be useful for the cultural staff, too. Christiaan noted that would require some work, including cleaning up the GIS for site designation consistency, and then checking all the DPR files for naming consistency so it matches the GIS. It is detailed work, but not difficult; and I would recommend focusing only on the sites, not the isolates, in the immediate future. If DWR has made little or no headway in accomplishing the task, perhaps we need to do it for them.

Sorry I don't have any better news to report. I will let you know if I hear anything more from Anecita or Jackie.
Thanks
Janis

Janis Offermann
Cultural Resources Practice Leader
Horizon Water and Environment
400 Capitol Mall, Suite 2500
Sacramento, CA 95814
916.465.8076 – office
530.220.4918 – mobile

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Wednesday, November 17, 2021 3:47 PM
To: Janis Offermann <janis@horizonh2o.com>; Laverne Bill <LBill@yochadehe-nsn.gov>; Kevin Spesert <kspesert@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Cc: Victoria Delgado <VDelgado@yochadehe-nsn.gov>; Rebekah Canavesio <RCanavesio@yochadehe-nsn.gov>
Subject: RE: Cancellation of meeting tomorrow

Thanks Janis. Please keep me up to date on your discussions with DWR. I am concerned that this is taking so long. I am not sure if its time to elevate this in DWR or who to elevate this to, but this seems like it has taken an incredibly long time to make happen.

I hope everyone has a great few days off next week and has the opportunity to spend some time with family and friends.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Janis Offermann <janis@horizonh2o.com>
Sent: Wednesday, November 17, 2021 2:28 PM
To: Laverne Bill <LBill@yochadehe-nsn.gov>; Kevin Spesert <kspesert@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Cc: Victoria Delgado <VDelgado@yochadehe-nsn.gov>; Rebekah Canavesio <RCanavesio@yochadehe-nsn.gov>
Subject: Cancellation of meeting tomorrow

Hi Everyone
Laverne and I chatted yesterday and decided to cancel our meeting scheduled for tomorrow since he has still not received the site record information from DWR. On that note, I called DWR to inquire about the status of getting the data to Yocha Dehe, and left a message with Jackie Waite, their archaeologist who is in possession of the site records. If I don't hear from her today, I will reach out to Anecita, at DWR, tomorrow.

I will keep you posted.
Thanks
janis

Janis Offermann
Cultural Resources Practice Leader
Horizon Water and Environment
400 Capitol Mall, Suite 2500
Sacramento, CA 95814
916.465.8076 – office
530.220.4918 – mobile

From: Vondergeest, Michael [Michael.Vondergeest@icf.com]
Sent: 11/22/2021 11:15:57 AM
To: Webber, Lisa [Lisa.Webber@icf.com]
CC: Alicia Forsythe [aforsythe@sitesproject.org]; Spranza, John [john.spranza@hdrinc.com]; Markham, John [John.Markham@icf.com]; Arsenijevic, Jelica [Jelica.Arsenijevic@hdrinc.com]; Briard, Monique [Monique.Briard@icf.com]
Subject: Re: Sites delineation review area

Thanks Lisa. Please cc John M and me so he knows we are in the loop since it will potentially affect the permitting document in preparation.
-Mike V

Sent from my iPhone

On Nov 22, 2021, at 10:59 AM, Webber, Lisa <Lisa.Webber@icf.com> wrote:

Thank you Ali, John, and John. I will revise and send this to Matthew today. I would normally copy John S. and Jelica on the email, as they keep up with the data submittals. Would anyone else like to be cc'd on the email?

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Sunday, November 21, 2021 4:25 PM
To: John Spranza <John.Spranza@hdrinc.com>; Markham, John <John.Markham@icf.com>; Webber, Lisa <Lisa.Webber@icf.com>; Arsenijevic, Jelica <Jelica.Arsenijevic@hdrinc.com>; Briard, Monique <Monique.Briard@icf.com>; Vondergeest, Michael <Michael.Vondergeest@icf.com>
Subject: Re: Sites delineation review area

Hi all - I am good with this email with the revisions.

Ali

———————
Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

From: Spranza, John <John.Spranza@hdrinc.com>
Sent: Thursday, November 18, 2021 1:12:55 PM
To: Markham, John <John.Markham@icf.com>; Webber, Lisa <Lisa.Webber@icf.com>; Alicia Forsythe <aforsythe@sitesproject.org>; Arsenijevic, Jelica <jelica.arsenijevic@hdrinc.com>; Briard, Monique <Monique.Briard@icf.com>; Vondergeest, Michael <Michael.Vondergeest@icf.com>
Subject: RE: Sites delineation review area

Lisa, this looks good. I have added a small revision to the text in red.

John Spranza

D 916.679.8858 M 818.640.2487

From: Markham, John <John.Markham@icf.com>
Sent: Wednesday, November 17, 2021 4:44 PM
To: Webber, Lisa <Lisa.Webber@icf.com>; Alicia Forsythe <aforsythe@sitesproject.org>; Arsenijevic, Jelica <Jelica.Arsenijevic@hdrinc.com>; Spranza, John <John.Spranza@hdrinc.com>; Briard, Monique <Monique.Briard@icf.com>; Vondergeest, Michael <Michael.Vondergeest@icf.com>
Subject: RE: Sites delineation review area

CAUTION: [EXTERNAL] This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Lisa –

Thank you. Please see my suggested edits (in blue text and strikeout) below. I have no comments on the kmz.

JOHN W. MARKHAM, MPH, PWS | Senior Ecologist & Regulatory Specialist | mobile: 805.698.3240 | john.markham@icf.com |

ICF | 6701 Rincon Road, Carpinteria CA 93013 | Website: http://www.icf.com/

<image001.png>
Celebrating **50 Years** of Making Big Things Possible | 1969 – 2019 Learn how.

From: Webber, Lisa <Lisa.Webber@icf.com>
Sent: Tuesday, November 16, 2021 3:47 PM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Arsenijevic, Jelica <Jelica.Arsenijevic@hdrinc.com>; John Spranza <John.Spranza@hdrinc.com>; Briard, Monique <Monique.Briard@icf.com>; Markham, John <John.Markham@icf.com>; Vondergeest, Michael <Michael.Vondergeest@icf.com>
Subject: Sites delineation review area

Hi all,

Here is a short and sweet message for you to review and revise as you see fit. I've included a kmz with an outline of the parcels within the area I think we intend for current review. Please note that this kmz does include parcels outside of the outlined area that are no longer in the project footprint, e.g., the siphons, but this is the original map of parcels we sent to the Corps, and I want this submittal to be familiar and consistent with what they've already seen. The outlined area primarily includes the inundation area and dams, staying well west of TC and GCID canals, and also eliminates the South Road proposed under Alternative 2, since that is lower priority. I haven't yet made the list of the parcel #s that this outline represents, but will create an Excel table to go with the kmz and make it easier for Matthew to whittle down his list. I'll be back to this on Monday and would like to get it sent to him early next week, if possible. Thanks ahead of time for your input!

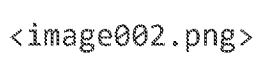
--Lisa

Hi Matthew,

I hope all is going smoothly with getting Cecelia up to speed to help you review the Sites data. I wanted to make you aware of some potential revisions to the jurisdictional delineation ~~project footprint~~ study area associated with ~~the proposed~~ diversion and conveyance systems for the project. These changes are in progress and are expected to be finalized in January or February. Meanwhile, to gain efficiencies ~~save you any unnecessary review time,~~ it would be best to focus your review on the parts of the project that are better defined~~not being changed while we wait for the footprint revisions in the remaining parts of the project~~. I've attached a kmz with a~~n~~ pink outline of the areas that can be reviewed

now and a list of the corresponding parcel numbers to help you identify those areas in the review table. Please give me a call to discuss if you have any questions.

--Lisa


Lisa Webber | Senior Botanist | +1.916.231.7669 direct | lisa.webber@icf.com | icf.com
ICF | 980 9th Street, Suite 1200, Sacramento, CA 95814 USA | +1.916. 549.4990 mobile

From: Markham, John [John.Markham@icf.com]
Sent: 11/22/2021 12:30:04 PM
To: Spranza, John [john.spranza@hdrinc.com]; Arsenijevic, Jelica [Jelica.Arsenijevic@hdrinc.com]; Rude, Pete/RDD [Pete.Rude@jacobs.com]; Luu, Henry [henry.luu@hdrinc.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]; steve.micko@jacobs.com; Smith, Kristin [Kristin.Smith@hdrinc.com]; Alicia Forsythe [aforsythe@sitesproject.org]
CC: Vondergeest, Michael [Michael.Vondergeest@icf.com]; Briard, Monique [Monique.Briard@icf.com]
Subject: RE: CWA 404(b)(1) Memo: Site selection/screening criteria

Greetings all –

Thank you for your responses received to date, just sending this as a reminder in case the prior email was lost in the mix. Looking like next week is best.

- John

JOHN W. MARKHAM, MPH, PWS | Senior Ecologist & Regulatory Specialist | mobile: 805.698.3240 | john.markham@icf.com |

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From: Markham, John
Sent: Thursday, November 18, 2021 1:14 PM
To: Spranza, John <John.Spranza@hdrinc.com>; Arsenijevic, Jelica <Jelica.Arsenijevic@hdrinc.com>; Rude, Pete/RDD <Pete.Rude@jacobs.com>; Luu, Henry <henry.luu@hdrinc.com>; Heydinger, Erin <Erin.Heydinger@hdrinc.com>; Micko, Steve/SAC <Steve.Micko@jacobs.com>; Smith, Kristin <Kristin.Smith@hdrinc.com>; Alicia Forsythe <aforsythe@sitesproject.org>
Cc: Vondergeest, Michael <Michael.Vondergeest@icf.com>; Briard, Monique <Monique.Briard@icf.com>
Subject: RE: CWA 404(b)(1) Memo: Site selection/screening criteria

Team: Please fill out your availability in the following online doodle poll:
https://doodle.com/poll/nsfk6vuagcxeyt3n?utm_source=poll&utm_medium=link.

JOHN W. MARKHAM, MPH, PWS | Senior Ecologist & Regulatory Specialist | mobile: 805.698.3240 | john.markham@icf.com |

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From: Spranza, John <John.Spranza@hdrinc.com>
Sent: Thursday, November 18, 2021 11:50 AM
To: Markham, John <John.Markham@icf.com>; Arsenijevic, Jelica <Jelica.Arsenijevic@hdrinc.com>; Rude, Pete/RDD <Pete.Rude@jacobs.com>; Luu, Henry <henry.luu@hdrinc.com>; Heydinger, Erin <Erin.Heydinger@hdrinc.com>; Micko, Steve/SAC <Steve.Micko@jacobs.com>; Smith, Kristin <Kristin.Smith@hdrinc.com>; Alicia Forsythe <aforsythe@sitesproject.org>
Cc: Vondergeest, Michael <Michael.Vondergeest@icf.com>; Briard, Monique <Monique.Briard@icf.com>
Subject: RE: CWA 404(b)(1) Memo: Site selection/screening criteria

John, I would like to set up a meeting to talk through this table and have some discussion about some of the questions.

John Spranza

D 916.679.8858 M 818.640.2487

From: Markham, John <John.Markham@icf.com>
Sent: Tuesday, November 16, 2021 6:47 PM
To: Spranza, John <John.Spranza@hdrinc.com>; Arsenijevic, Jelica <Jelica.Arsenijevic@hdrinc.com>; Rude, Pete/RDD <Pete.Rude@jacobs.com>; Luu, Henry <henry.luu@hdrinc.com>; Heydinger, Erin <Erin.Heydinger@hdrinc.com>; Micko, Steve/SAC <Steve.Micko@jacobs.com>; Smith, Kristin <Kristin.Smith@hdrinc.com>; Alicia Forsythe <aforsythe@sitesproject.org>
Cc: Vondergeest, Michael <Michael.Vondergeest@icf.com>; Briard, Monique <Monique.Briard@icf.com>
Subject: FW: CWA 404(b)(1) Memo: Site selection/screening criteria

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Team –

Based on feedback from HDR and Jacobs (copied), we have revised the Clean Water Act 404(b)(1) memo screening/selection criteria for build alternatives in order to better characterize the constraints associated with onsite Alternative 2 (1.3 MAF alternative). In addition, we added another cost metric for "funding of no less than XX percent investment of total cost of construction," as this speaks to one of the primary differences between onsite Alternatives 1 and 3 and could give us the flexibility to screen out Alt 1 if needed. See below table, specifically for yellow-highlighted cost and logistics criteria as well as footnotes.

We are requesting your assistance for the following: 1) edits/comments; 2) brief statements comparing onsite Alternatives 1/3 (1.5 MAF alternatives) and onsite Alternative 2 against the new screening criteria; 3) supporting studies or preliminary technical analyses for source citations (e.g., initial hydrologic modeling results, refined cost projections); and, 4) whether onsite Alternative 2 would not meet any of the (5) NEPA objectives.

TABLE 2. SITE SCREENING/SELECTION CRITERIA

Screening/Selection Criteria	Descriptors and Metrics
Consistency with the overall NEPA project purpose(s)	
Objective 1	• Increased water supply and improved reliability of water deliveries (Y/N)
Objective 2	• Increased CVP operational flexibility (Y/N)
Objective 3	• Benefits to anadromous fish by improving Central Valley Project operations consistent with the laws, regulations, and requirements in effect at the time of operation (Y/N)
Objective 4	• Incremental Level 4 water supply for CVP Improvement Act refuges (Y/N)
Objective 5	• Delta ecosystem enhancement by providing water to convey food resources (Y/N)
Permanent direct and/or indirect impacts to potential wetland and non-wetland waters of the U.S./State	
Metric 1	• Loss of wetlands (acres)
Metric 2	• Loss of non-wetlands (acres)

Metric 3	• Loss/conversion of ecological functions (high, medium, low)
Availability	
Metric 1	• Associated properties could reasonably be acquired, are zoned appropriately, or are reasonably capable of being re-zoned (Y/N)
Practicability (cost, logistics, existing technology)	
Cost	
Metric 1	• Construction or acquisition costs would result in a cost increase of no greater than 15 percent over the applicant-preferred alternative (Project) (Y/N)
Metric 2	• Reclamation funding of no less than XX percent investment of total cost of construction (Y/N)
Metric 3	• Annual operations costs during (30-year) repayment period would result in a cost increase of no greater than 15 percent over the applicant-preferred alternative (Project) (Y/N)
Logistics	
Metric 1	• Located north of the Delta (Y/N)
Metric 2	• Existing borrow areas, utilities, and access roads are available in the vicinity (Y/N)
Metric 3	• Meet existing water supply requirements for participating members and programs[1] during all water years (wet, above normal, below normal, dry, and critically dry) (Y/N)
Metric 4	• Meet environmental water supply needs, including projected mitigation offsets[2], for listed species during all water years (Y/N)
Existing technology	• Meet site constraints such as steep topography and sensitive natural resources (e.g., watercourses) (Y/N)
Other relevant environmental impacts in the USACE scope of analysis	
Metric 1	• Special status species (high, medium, low)
Metric 2	• Cultural resources (high, medium, low)

[1] Participating members and programs include the following: GCID, TCCA, Reclamation District 108, Colusa County, other Sacramento Valley participants, South of Delta participants, plus Proposition 1 deliveries for Incremental Level 4 refuge water supply (Refuge Level 4) and Yolo Bypass.
[2] Environmental water supply needs, including mitigation offsets, are anticipated to be required by the USFWS and NMFS pursuant to ESA Section 7 and the California Department of Fish and Wildlife (CDFW) pursuant to California Department of Fish and Game Code Sections 1600 et al. and 2081 et. al.

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ICF Celebrating **50 Years** of Making Big Things Possible | 1969 – 2019 Learn how.

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/22/2021 3:02:52 PM
To: Lassell, Susan [Susan.Lassell@icf.com]; janis@horizonh2o.com; Kevin Spesert [kspesert@sitesproject.org]; Laurie Warner Herson [laurie.warner.herson@phenixenv.com]
CC: Risse, Danielle [Danielle.Risse@hdrinc.com]; Havelaar, Christiaan [Christiaan.Havelaar@icf.com]; Rogers, Jenifer [Jenifer.Rogers@icf.com]; Briard, Monique [Monique.Briard@icf.com]
Subject: RE: Site record for Yocha Dehe

Susan – Yes, please put together a cost estimate and schedule for this effort. I am not sure how much funding is left your current task order, but I'd love to see if we can fit this in before the end of the year if there is budget left.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Lassell, Susan <Susan.Lassell@icf.com>
Sent: Friday, November 19, 2021 6:12 PM
To: janis@horizonh2o.com; Alicia Forsythe <aforsythe@sitesproject.org>; Kevin Spesert <kspesert@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Cc: Risse, Danielle <Danielle.Risse@hdrinc.com>; Havelaar, Christiaan <Christiaan.Havelaar@icf.com>; Rogers, Jenifer <Jenifer.Rogers@icf.com>; Briard, Monique <Monique.Briard@icf.com>
Subject: RE: Site record for Yocha Dehe

Thanks for this great overview Janis.

I'm also adding Monique to the thread, as this continues a discussion we've had previously about the timing of this particular level of effort on archaeological resources data management.

Would it be helpful if we put together some more details on what the cost and schedule would be if given the green light to move forward with this?

Susan

SUSAN LASSELL | +1.916.231.7612 direct | +1.415.238.9086 mobile

From: Janis Offermann <janis@horizonh2o.com>
Sent: Friday, November 19, 2021 9:53 AM
To: Alicia Forsythe <aforsythe@sitesproject.org>; Kevin Spesert <kspesert@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Cc: Risse, Danielle <Danielle.Risse@hdrinc.com>; Lassell, Susan <Susan.Lassell@icf.com>; Havelaar, Christiaan <Christiaan.Havelaar@icf.com>; Rogers, Jenifer <Jenifer.Rogers@icf.com>
Subject: Site record for Yocha Dehe

Hi, Ali

When I talked with Laverne earlier this week, he clarified that Yocha Dehe asked DWR for a GIS layer with the site records linked to the site points and polygons. I was (and I think we all were) originally under the impression that Yocha Dehe would do that task in-house since they have all of the shapefiles for the sites, along with GIS staff; plus, they had mentioned just wanting the site records, not the GIS package. This week, I sent emails and left phone messages to DWR's cultural resources lead, Jackie Waite, and their Tribal Coordinator, Anecita Agustinez, to inquire about the status of the delivery of the data, noting that the revised EIR is now out for public review, so completing our AB52 consultations was of the utmost priority.

Anecita gave me a call back this morning. She said that she had left that task to Jackie, and she would check in with her, but thought that staff availability, along with not having a specific budget for the work, were probably causing the delay.

The cultural team talked about this issue during our call this week. ICF could potentially due the work, and it is something that would be useful for the cultural staff, too. Christiaan noted that would require some work, including cleaning up the GIS for site designation consistency, and then checking all the DPR files for naming consistency so it matches the GIS. It is detailed work, but not difficult; and I would recommend focusing only on the sites, not the isolates, in the immediate future. If DWR has made little or no headway in accomplishing the task, perhaps we need to do it for them.

Sorry I don't have any better news to report. I will let you know if I hear anything more from Anecita or Jackie.
Thanks
Janis

Janis Offermann
Cultural Resources Practice Leader
Horizon Water and Environment
400 Capitol Mall, Suite 2500
Sacramento, CA 95814
916.465.8076 – office
530.220.4918 – mobile

From: Alicia Forsythe <aforsythe@sitesproject.org>
Sent: Wednesday, November 17, 2021 3:47 PM
To: Janis Offermann <janis@horizonh2o.com>; Laverne Bill <LBill@yochadehe-nsn.gov>; Kevin Spesert <kspesert@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Cc: Victoria Delgado <VDelgado@yochadehe-nsn.gov>; Rebekah Canavesio <RCanavesio@yochadehe-nsn.gov>
Subject: RE: Cancellation of meeting tomorrow

Thanks Janis. Please keep me up to date on your discussions with DWR. I am concerned that this is taking so long. I am not sure if its time to elevate this in DWR or who to elevate this to, but this seems like it has taken an incredibly long time to make happen.

I hope everyone has a great few days off next week and has the opportunity to spend some time with family and friends.

Ali

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Project Authority | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

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From: Janis Offermann <janis@horizonh2o.com>
Sent: Wednesday, November 17, 2021 2:28 PM
To: Laverne Bill <LBill@yochadehe-nsn.gov>; Kevin Spesert <kspesert@sitesproject.org>; Alicia Forsythe <aforsythe@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Cc: Victoria Delgado <VDelgado@yochadehe-nsn.gov>; Rebekah Canavesio <RCanavesio@yochadehe-nsn.gov>
Subject: Cancellation of meeting tomorrow

Hi Everyone
Laverne and I chatted yesterday and decided to cancel our meeting scheduled for tomorrow since he has still not received the site record information from DWR. On that note, I called DWR to inquire about the status of getting the data to Yocha Dehe, and left a message with Jackie Waite, their archaeologist who is in possession of the site records. If I don't hear from her today, I will reach out to Anecita, at DWR, tomorrow.

I will keep you posted.
Thanks
janis

Janis Offermann
Cultural Resources Practice Leader
Horizon Water and Environment
400 Capitol Mall, Suite 2500
Sacramento, CA 95814
916.465.8076 – office
530.220.4918 – mobile

From: Alicia Forsythe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A6CDF06A7E904B65BAA21702A82AD329-AFORSYTHE]
Sent: 11/22/2021 3:03:29 PM
To: Risse, Danielle [Danielle.Risse@hdrinc.com]
CC: Spranza, John [john.spranza@hdrinc.com]; Lloyd, John [John.Lloyd@hdrinc.com]; Laurie Warner Herson [laurie.warner.herson@phenixenv.com]
Subject: RE: Site record for Yocha Dehe

Thanks Danielle. I agree with you. I just asked Susan for the cost and schedule estimate. Hopefully they have funds and can get to this quickly.

Ali

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From: Risse, Danielle <Danielle.Risse@hdrinc.com>
Sent: Monday, November 22, 2021 11:05 AM
To: Alicia Forsythe <aforsythe@sitesproject.org>
Cc: Spranza, John <john.spranza@hdrinc.com>; Lloyd, John <John.Lloyd@hdrinc.com>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
Subject: FW: Site record for Yocha Dehe

Hi Ali,
I think it would be a good idea for ICF to put together a cost and schedule for this. I'm not sure where they stand on their Section 106 budget, but if they have some budget left, I think it would be well spent on this in order to get the data to the tribes as soon as possible, so we can keep the discussions with the tribes moving forward.

Let me know if I can help move this forward at all.

Thanks, Danielle

Danielle Risse, M.A.
Office 916-679-8796 **Mobile** 707-372-5007

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From: Lassell, Susan <Susan.Lassell@icf.com>
Sent: Friday, November 19, 2021 6:12 PM
To: janis@horizonh2o.com; Alicia Forsythe <aforsythe@sitesproject.org>; Kevin Spesert <kspesert@sitesproject.org>; Laurie Warner Herson <laurie.warner.herson@phenixenv.com>
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Cc: Risse, Danielle <Danielle.Risse@hdrinc.com>; Lassell, Susan <Susan.Lassell@icf.com>; Havelaar, Christiaan <Christiaan.Havelaar@icf.com>; Rogers, Jenifer <Jenifer.Rogers@icf.com>
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Janis Offermann
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Sacramento, CA 95814

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Cc: Victoria Delgado <VDelgado@yochadehe-nsn.gov>; Rebekah Canavesio <RCanavesio@yochadehe-nsn.gov>
Subject: RE: Cancellation of meeting tomorrow

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I will keep you posted.
Thanks
janis

Janis Offermann
Cultural Resources Practice Leader
Horizon Water and Environment
400 Capitol Mall, Suite 2500
Sacramento, CA 95814

916.465.8076 – office
530.220.4918 – mobile

File Provided Natively

From: john armstrong [armstrongj1@outlook.com]
Sent: 11/23/2021 12:20:57 PM
To: EIR-EIS-Comments [eir-eis-comments@sitesproject.org]
Subject: Sites will be used to water Westland's poisoned lands and fill the Delta tunnel

Sites would be used to water Westland's poisoned lands and fill the Delta tunnel. Screw that, BoR! Find something else to screw up. See you on the 15th.

From: Frank Treadway [treadwayf1@gmail.com]
Sent: 11/23/2021 1:51:16 PM
To: EIR-EIS-Comments [eir-eis-comments@sitesproject.org]
Subject: Fwd: Sites Comments: Frank Treadway, ReddingCA please see below

---------- Forwarded message ---------
From: **Frank Treadway** <treadwayf1@gmail.com>
Date: Tue, Nov 23, 2021 at 1:49 PM
Subject: re: Sites Comments: Frank Treadway, ReddingCA please see below
To: <eir-eis-comments@sitesprojects.org>

Dear Staff at Sites Reservoir Comments, 23 Nov 21

I'm opposed to the construction of the Sites Reservoir for the following reasons:
It's my understanding that a large transfer pipe(s) would be built to carry water from the Sacramento River, somewhere at the Colusa/Glenn area, to fill the proposed Sites Reservoir. If that's the case I find that a great disruption of current ag land. Not to mention that the value of the private land would be bought at below market rate in the name of governmental priority and need.
The thought of going under Interstate 5 for this routing tunnel project is unfathomable.

Finding the adequate flow of water from the Sacramento River will be the next problem facing this project. With the Sacramento River at one its lowest ebb, where will the water come from to fill Sites Reservoir ? As you know Shasta Lake is at one its lowest points in its history. You cannot count on future rain water, that's easy to predict. Nor can you count on snow runoff from Mt. Shasta for any substantial water flow. The project to raise Shasta Dam has all but been canceled. The water level has not reached the top of the dam for years to warrant raising it.

Therefore, where will the water come from to transfer to a project such as Sites ?
Further, who will control the allocation of this water and for what usage ? How will evaporation be controlled ? Will the proposed reservoir be additionally used for recreation purposes ? These are just a few questions that many of us have here in the North State.
Please cancel this extremely expensive project before any further action is taken on the proposed Sites Project.
Thank you, Frank D. Treadway. treadwayf1@gmail.com

From: Alicia Forsythe [aforsythe@sitesproject.org]
Sent: 11/23/2021 2:43:43 PM
To: EIR-EIS-Comments [eir-eis-comments@sitesproject.org]
Subject: Fwd: Sites would be used to water Westland's poisoned lands and fill the Delta tunnel

---

Alicia Forsythe | Environmental Planning and Permitting Manager | Sites Reservoir Project | 916.880.0676 | aforsythe@sitesproject.org | www.SitesProject.org

---

From: john armstrong <armstrongj1@outlook.com>
Sent: Tuesday, November 23, 2021 12:22 PM
To: Alicia Forsythe
Subject: Sites would be used to water Westland's poisoned lands and fill the Delta tunnel

Sites would be used to water Westland's poisoned lands and fill the Delta tunnel. Screw that!

From: Rob Kunde [rkunde@wrmwsd.com]
Sent: 11/27/2021 11:50:46 AM
To: Alicia Forsythe [aforsythe@sitesproject.org]
Subject: Sites Project - Heavy Metals Data

Ali:

Below find an inquiry from Matt Tennis, a Chico area rice farmer and friend, and my response. (I have removed the attachments that I sent to Matt since you already have them.) He has been a voice of reason on agricultural matters for many years and is naturally inclined to support the Sites Project. I had you in mind for a "Sites staff person" on the phone call referenced below although maybe this is an outreach communications matter.

Robert J. Kunde, P.E.
Retired Annuitant
Wheeler Ridge-Maricopa Water Storage District
cell: 661-345-3719 email: rkunde@wrmwsd.com

From: Rob Kunde <rkunde@wrmwsd.com>
Sent: Saturday, November 27, 2021 11:43 AM
To: Matthew Tennis <mdtennis@gmail.com>
Cc: bill@dgsi.com <bill@dgsi.com>
Subject: Re: Heavy Metals Data

Matt:

The Sites Project Environmental Impact Report was released on November 12 for a 60 day public comment period:
Environmental Review - Sites Reservoir (sitesproject.org)

Attached find portions of the Sites Reservoir Project Revised Draft Environmental Impact Report from the Sites Project website, specifically:

A. The Community Guide (4 pages), on page 4, summarizes "Surface Water Quality" impacts from metals.

B. The Executive Summary. Table ES-2 is a "Summary of Impacts and Mitigation Measures" starting at .PDF page 24. Effects regarding metals are listed on pages 25 and 26 under Surface Water Quality. Water Quality Impacts WQ-1 to WQ-2 list Significant and Unavoidable (SU) Impacts even after implementation of three Mitigation Measures. Impacts of the Project for Impacts WQ-3 to WQ-6 are Less Than Significant (LTS).

C. Chapter 6 - Surface Water Quality. This 113 page Chapter contains detailed descriptions of the environmental analyses and effects of the Project on surface water quality. This includes effects of naturally occurring minerals (salinity, mercury, selenium, aluminum, copper, iron and lead) in the Reservoir, local creeks, and downstream water bodies (Sacramento River, Colusa Basin Drain, Yolo Bypass and Delta). These minerals have varying levels of concern as further described in the Chapter.

Actual data (versus summaries) are in Appendix 6E on the Sites Project website (not attached).

The significance of environmental impacts of naturally occurring metals from the Sites Project is a matter of judgement. For example (from Chapter 6):
"6.3.2.4. Dilution of Sites Discharges in the Sacramento River.
Water quality in Sites Reservoir would have limited effect on the water quality in the Sacramento River because the river flow would dilute the Sites Reservoir discharge, with dilution effect dependent of the ratio of Sites water to Sacramento River water... When Sites Reservoir would release water to the Sacramento River, it would constitute 6%–7% of the Sacramento River flow on average and 12%–13% when discharges are relatively high compared to river flow..."

This is one element of my judgement that Sites would not result in significant environmental harm from metals and would be, on balance, acceptable given the Project benefits to both the environment, agriculture and urban residents. But no doubt some will feel that any incremental level of methylmercury effect would be unacceptable.

Would you be willing to discuss the matter further by phone with myself and a Sites staff person? I personally do not know the best way to address this "centerpiece of Chico-area criticism".

Robert J. Kunde, P.E.
Retired Annuitant
Wheeler Ridge-Maricopa Water Storage District
cell: 661-345-3719 email: rkunde@wrmwsd.com

From: Matthew Tennis <mdtennis@gmail.com>
Sent: Saturday, November 27, 2021 6:46 AM
To: Rob Kunde <rkunde@wrmwsd.com>
Cc: bill@dgsi.com <bill@dgsi.com>
Subject: Heavy Metals Data

Hey Rob (and Bill V.),

When will you guys have more heavy metals data on Sites available? This continues to be a centerpiece of Chico-area criticism of the project.

Thanks,

Matt Tennis

From: Markham, John [John.Markham@icf.com]
Sent: 11/16/2021 6:47:20 PM
To: Spranza, John [john.spranza@hdrinc.com]; Arsenijevic, Jelica [Jelica.Arsenijevic@hdrinc.com]; Rude, Pete/RDD [Pete.Rude@jacobs.com]; Luu, Henry [henry.luu@hdrinc.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]; steve.micko@jacobs.com; Smith, Kristin [Kristin.Smith@hdrinc.com]; Alicia Forsythe [aforsythe@sitesproject.org]
CC: Vondergeest, Michael [Michael.Vondergeest@icf.com]; Briard, Monique [Monique.Briard@icf.com]
Subject: FW: CWA 404(b)(1) Memo: Site selection/screening criteria

Team –

Based on feedback from HDR and Jacobs (copied), we have revised the Clean Water Act 404(b)(1) memo screening/selection criteria for build alternatives in order to better characterize the constraints associated with onsite Alternative 2 (1.3 MAF alternative). In addition, we added another cost metric for "funding of no less than XX percent investment of total cost of construction," as this speaks to one of the primary differences between onsite Alternatives 1 and 3 and could give us the flexibility to screen out Alt 1 if needed. See below table, specifically for yellow-highlighted cost and logistics criteria as well as footnotes.

We are requesting your assistance for the following: 1) edits/comments; 2) brief statements comparing onsite Alternatives 1/3 (1.5 MAF alternatives) and onsite Alternative 2 against the new screening criteria; 3) supporting studies or preliminary technical analyses for source citations (e.g., initial hydrologic modeling results, refined cost projections); and, 4) whether onsite Alternative 2 would not meet any of the (5) NEPA objectives.

TABLE 2. SITE SCREENING/SELECTION CRITERIA

Screening/Selection Criteria	Descriptors and Metrics
Consistency with the overall NEPA project purpose(s)	
Objective 1	• Increased water supply and improved reliability of water deliveries (Y/N)
Objective 2	• Increased CVP operational flexibility (Y/N)
Objective 3	• Benefits to anadromous fish by improving Central Valley Project operations consistent with the laws, regulations, and requirements in effect at the time of operation (Y/N)
Objective 4	• Incremental Level 4 water supply for CVP Improvement Act refuges (Y/N)
Objective 5	• Delta ecosystem enhancement by providing water to convey food resources (Y/N)
Permanent direct and/or indirect impacts to potential wetland and non-wetland waters of the U.S./State	
Metric 1	• Loss of wetlands (acres)
Metric 2	• Loss of non-wetlands (acres)
Metric 3	• Loss/conversion of ecological functions (high, medium, low)
Availability	
Metric 1	• Associated properties could reasonably be acquired, are zoned appropriately, or are reasonably capable of being re-zoned (Y/N)
Practicability (cost, logistics, existing technology)	
Cost	
Metric 1	• Construction or acquisition costs would result in a cost increase of no greater than 15 percent over the applicant-preferred alternative (Project) (Y/N)

Metric 2	• Reclamation funding of no less than XX percent investment of total cost of construction (Y/N)
Metric 3	• Annual operations costs during (30-year) repayment period would result in a cost increase of no greater than 15 percent over the applicant-preferred alternative (Project) (Y/N)
Logistics	
Metric 1	• Located north of the Delta (Y/N)
Metric 2	• Existing borrow areas, utilities, and access roads are available in the vicinity (Y/N)
Metric 3	• Meet existing water supply requirements for participating members and programs[1] during all water years (wet, above normal, below normal, dry, and critically dry) (Y/N)
Metric 4	• Meet environmental water supply needs, including projected mitigation offsets[2], for listed species during all water years (Y/N)
Existing technology	• Meet site constraints such as steep topography and sensitive natural resources (e.g., watercourses) (Y/N)
Other relevant environmental impacts in the USACE scope of analysis	
Metric 1	• Special status species (high, medium, low)
Metric 2	• Cultural resources (high, medium, low)

[1] Participating members and programs include the following: GCID, TCCA, Reclamation District 108, Colusa County, other Sacramento Valley participants, South of Delta participants, plus Proposition 1 deliveries for Incremental Level 4 refuge water supply (Refuge Level 4) and Yolo Bypass.
[2] Environmental water supply needs, including mitigation offsets, are anticipated to be required by the USFWS and NMFS pursuant to ESA Section 7 and the California Department of Fish and Wildlife (CDFW) pursuant to California Department of Fish and Game Code Sections 1600 et al. and 2081 et. al.

JOHN W. MARKHAM, MPH, PWS | Senior Ecologist & Regulatory Specialist | mobile: 805.698.3240 | john.markham@icf.com |

ICF| 6701 Rincon Road, Carpinteria CA 93013 | Website: http://www.icf.com/

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Sent: 11/16/2021 6:47:20 PM
To: Spranza, John [john.spranza@hdrinc.com]; Arsenijevic, Jelica [Jelica.Arsenijevic@hdrinc.com]; Rude, Pete/RDD [Pete.Rude@jacobs.com]; Luu, Henry [henry.luu@hdrinc.com]; Heydinger, Erin [erin.heydinger@hdrinc.com]; steve.micko@jacobs.com; Smith, Kristin [Kristin.Smith@hdrinc.com]; Alicia Forsythe [aforsythe@sitesproject.org]
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From: Conner McDonald [conner@cmdwest.com]
Sent: 11/30/2021 11:09:11 AM
To: Kevin Spesert [kspesert@sitesproject.org]
Subject: FW: Sites HC: Aerial Target Coordinates & Landowner coordination
Attachments: Sites Reservoir Project Control V1.kmz; Right_of_Entry_Brochure.pdf

CONNER MCDONALD – SR/WA / *Right-of-Way Services*
CMD WEST
c/ 530-750-9912 e/ CONNER@CMDWEST.COM

From: Rude, Pete/RDD <Pete.Rude@jacobs.com>
Sent: Tuesday, November 30, 2021 10:55 AM
To: Luu, Henry <Henry.Luu@hdrinc.com>
Cc: Conner McDonald <conner@cmdwest.com>; Smith, Jeff/SAC <Jeff.Smith1@jacobs.com>; Joe Feyder/Rey Engineers <jfeyder@reyengineers.com>
Subject: Sites HC: Aerial Target Coordinates & Landowner coordination

Hi Henry,

Per our discussion yesterday, Joe Feyder/REY Engineering has provided the attached KMZ shows the NGS points they will occupy, and all the 40-scale / 20-scale control target approximate locations. They will need access to set all these targets. As is typical, some points can be moved, to safer, more logical locations. Below, Joe gave an example area (Dunnigan Alt 1 Pipeline) showing the coverage that we will have within the purple area, and the targets.

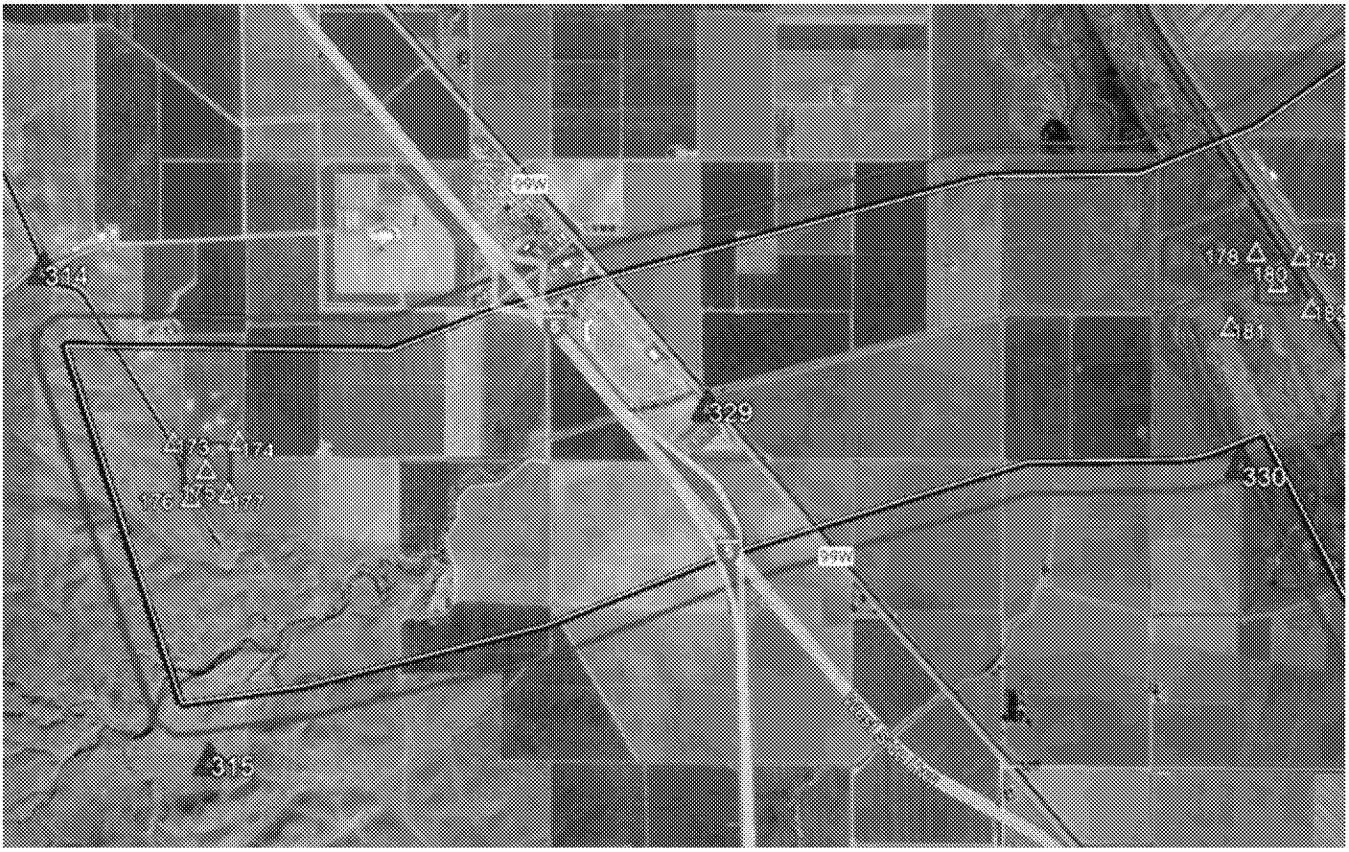
HI Conner - REY Engineering will need access on private land, ideally where they can take 4 WD, next an ATV, or next by walking. They would like a landowner name associated with each target. Not sure if you plan to be out in the field with them. We should probably discuss this sooner rather than later as they are ready to be in the field in January.

I had sent the attached right-of-entry brochure to you in August/September. Something like this, maybe customized for Sites, that would have a Sites contact number on it would be helpful for the surveyors to hand out when they are in the field.....

Peter H. Rude, PE (*CA, HI, CO*) /Jacobs/ Civil Engineer & Principal Project Manager
1-530-229-3396 (office)/ 1-530-917-4164 (mobile)/ 2525 Airpark Drive, Redding, CA 96001
pete.rude@jacobs.com / www.jacobs.com

From: Joe Feyder <jfeyder@reyengineers.com>
Sent: Monday, November 29, 2021 3:48 PM
To: Rude, Pete/RDD <Pete.Rude@jacobs.com>
Cc: Smith, Jeff/SAC <Jeff.Smith1@jacobs.com>; Fox, Bill/RDD <Bill.Fox@jacobs.com>
Subject: [EXTERNAL] RE: Sites HC: Aerial Target Coordinates

Hi Pete,
Red Triangles targets = 40 scale mapping
Yellow Triangle targets =20 scale mapping



Joe Feyder, PLS

R.E.Y. ENGINEERS, INC.

Civil Engineers | Land Surveyors | LiDAR

(916) 934-6033 cell
(916) 850-8811 direct
www.reyengineers.com

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Sites Reservoir Project

Eagle Survey Overview and Internal Planning Meeting

November 30, 2021

Sites

Agenda

I. Welcome and Introductions
II. Eagle Take Permit Requirements
III. Background and Study Plan
IV. Eagle Take Permit Strategy and Considerations
V. Discussion and Next Steps

Draft_0013731

Eagle Take Permit Requirements

- Bald and Golden Eagle Protection Act (BGEPA) protects bald and golden eagles
- Unlawful to "take" eagles without a permit
  - The definition of take includes "disturb individuals, their nests and eggs"
  - Disturbance is defined as "to agitate or bother a bald or golden eagle to a degree that causes…injury to an eagle, a decrease in productivity, or nest abandonment."
- Non-purposeful take permits described in 50 CFR 22.26
  - Individual permit – short-term permits (up to 5 years)
  - Programmatic permit – long-term permits (up to 30 years) (Eagle Conservation Plan)
- Nest take permits described in 50 CFR 22.27

Draft_0013732

Background

- Met with USFWS in fall of 2018
  - Provided project overview
  - Summarized surveys and findings
  - Discussed study plan
  - Discussed permit strategy
- Developed a study plan in 2018, revised early 2019
  - Obtained USFWS feedback
  - Delayed surveys based on change of project timing

Background – Previous Studies

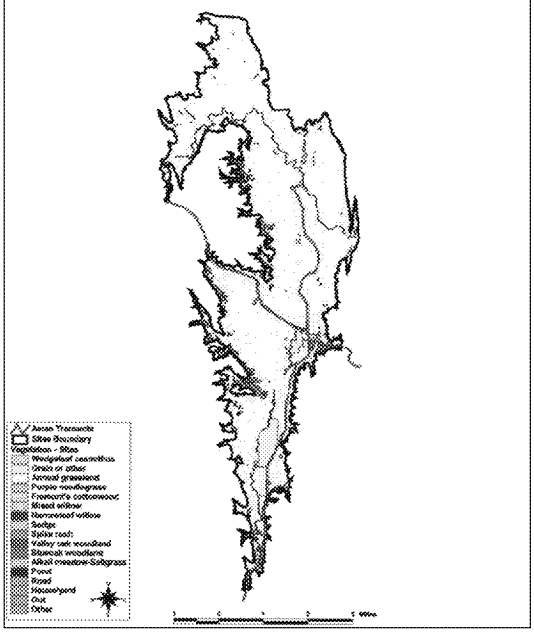
- *North-of-the-Delta Offstream Storage Investigation. Progress Report Appendix K: Survey for State and Federally Listed Avian Species at Four Proposed Offstream Storage Reservoir Locations.* April 2000
- Methods: Monthly avian line transects.
- Findings:
  - Golden eagles are one of the most common large raptors year-round.
  - Several active golden eagle nests were identified around the reservoir rim areas of Sites Reservoir including nesting activity in, or near, three of the five Sites recreation areas.
  - Golden eagle densities:
    - 0.18 to 0.31 birds per square mile (1 per 3-5 sq mi) with the highest density in the winter.
    - Spring and fall densities of 0.73 birds per square mile on the southeast road relocation.
  - Along the Sites new conveyance route, golden eagles were only recorded during winter and only along the western end of the route where agricultural croplands meet the foothills.

Draft_0013734

Background – Previous Studies (cont.)

- History of nesting bald eagles at Golden Gate dam site.
- 2017 DEIR/EIS included a series of mitigation measures focused on understanding, avoiding, and mitigating impacts
- 2021 RDEIR/SEIS includes updated analysis of eagles and habitat impacts with new mitigation measures
- Impacts on golden eagles:
  - Loss of up to 1,006 acres of nesting habitat
  - Loss of up to 13,109 acres of foraging habitat
- Impacts on bald eagles:
  - Loss of nest sites and increase in foraging habitat
- Mitigation:
  - 10 measures to reduce, minimize and mitigate impacts

Figure 7. Avian transect location and habitats at Sites Reservoir



Study Plan

- **Objective 1.** Determine the extent of nesting and foraging habitat loss on the local breeding population of golden eagles (Done)
- **Objective 2.** Determine the distribution, abundance, and productivity of the breeding population of bald and golden eagles within the Initial Survey Area (Project with 2-mile buffer – 37 sq mi) (Winter 2021)
  - Helicopter survey census and ground survey
  - 3 surveys: map, monitor, determine success
- **Objective 3.** Evaluate and quantify the use of the project area by breeding, wintering and migrating bald and golden eagles (2026)
  - Point count surveys (60-minutes at each of 8 points weekly for a year)
- **Objective 4.** Determine the distribution, abundance, and productivity of the breeding population of bald and golden eagles within the Expanded Survey Area (Project with 4-mile buffer – 57 sq mi) (2026)

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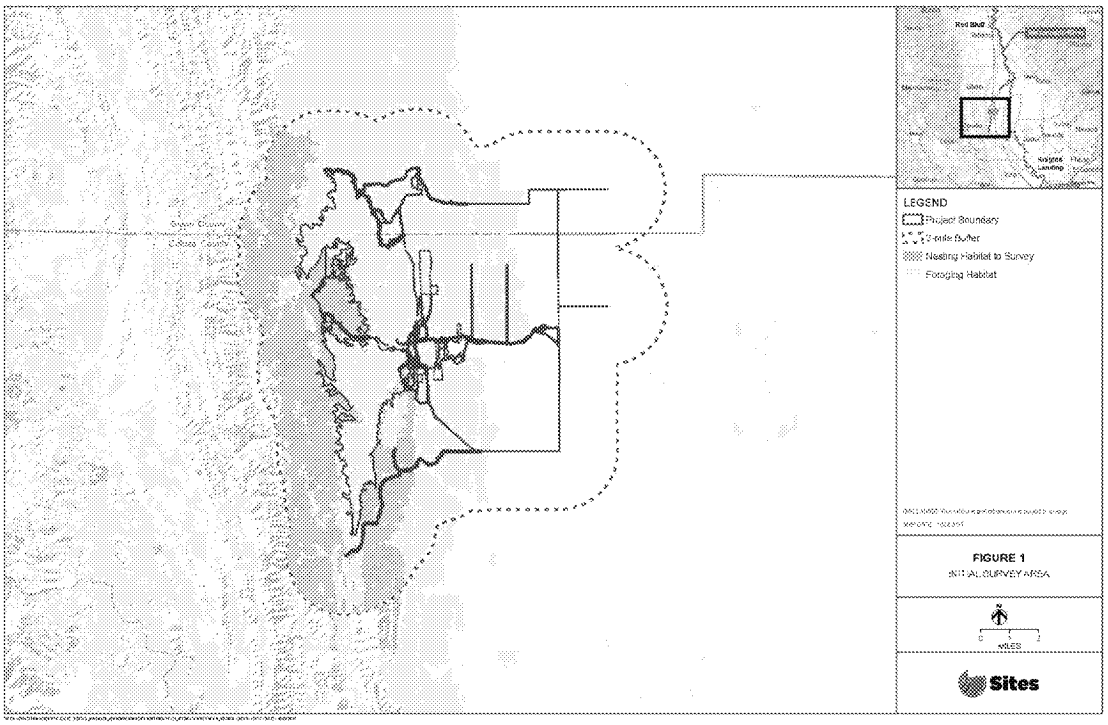

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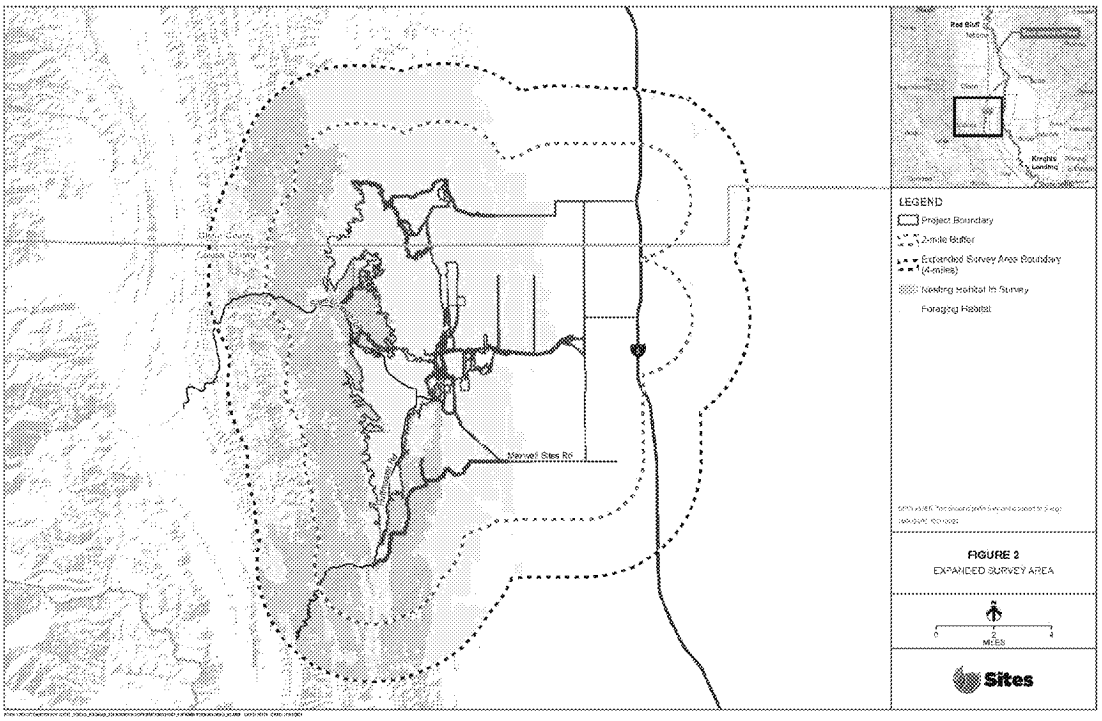
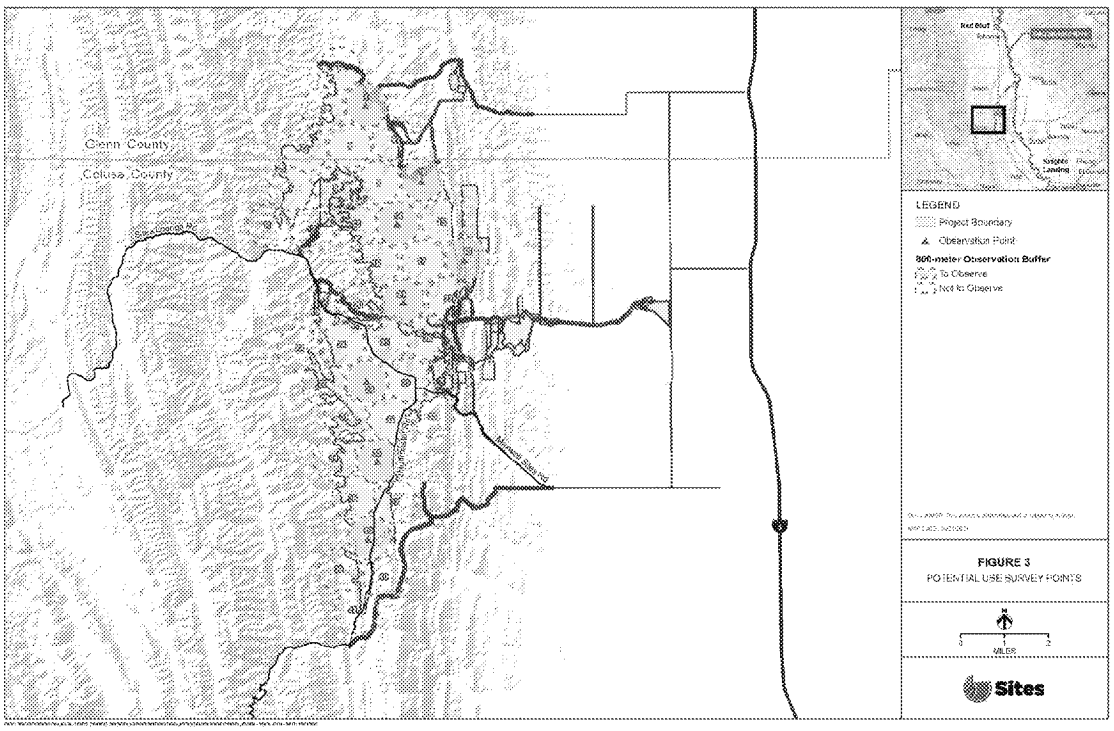


Areas not identified as habitat will not be surveyed.


Glenn County
Colusa County
Red Bluff
Sacramento
Stockton
Los Angeles
LEGEND
Project Boundary
Observation Point
800-meter Observation Buffer
To Observe
Not to Observe
FIGURE 3
POTENTIAL USE SURVEY POINTS
0
1
2
MILES
Sites

Eagle Take Permit Strategy and Considerations

- Geotechnical work – avoidance
- Construction – short-term permit (5 years + 1 year?) and nest removal permit if needed
- Operation – long-term permit
  - Surveys out to 4 miles
  - Develop Eagle Conservation Plan (ECP)
    - Unique ECP focused on…
      - Avoidance – Rationale for location
      - Minimization – Limited opportunities
      - Mitigation – Habitat acquisition and management, retrofits?
      - Monitoring – Evaluate changes over time
  - Submit long-term permit application
  - USFWS to conduct NEPA on take permit

11

Golden eagles:
Permanent loss of foraging and nesting habitat
Permanent loss of multiple territories
Bald eagles:
Permanent loss of nesting habitat and maybe a nest site
Increase in in foraging habitat

Eagle Take Permit Considerations

- Issuance criteria (50 CFR 22.26[f])
  - Taking is necessary to protect an interest
  - Taking is associated with but not the purpose of the activity
  - *Direct, indirect and cumulative effects are compatible with the preservation of eagles (e.g., stable or increasing)*
  - *Applicant has applied all appropriate and practicable avoidance and minimization measures to reduce impacts*
  - *Applicant has applied all appropriate and practicable compensatory mitigation measures to compensate for remaining unavoidable impacts*
  - Issuance will not preclude issuance of other permits
  - Issuance will not interfere with past eagle take

Draft_0013741

Eagle Take Permit Considerations

- Mitigation
  - Run Resource Equivalency Analysis (REA) but propose alternative mitigation that has demonstrated benefits to eagles
    - Mitigation calculation based on eagle life history and losses to future eagle populations
    - Total mitigation is driven by number of nests affected and period affected
    - Only USFWS approved mitigation: electric power pole retrofits in areas with eagles (lead and carcass removal considered)
    - Retrofit costs: $7,500 per pole
    - Territory loss cost: $1.2-$1.5 million (at 1:1.2 ratio [166-200 poles], but 2:1 may be needed)
  - More analysis and discussion needed
    - Flesh out short-term and long-term costs

Draft_0013742

Eagle Take Permit Considerations

- Duration
  - Consider pursuing multiple short-term permits
  - Consider pursuing long-term permit simultaneously
- Monitoring
  - Evaluate regional change in use and productivity
  - Monitoring during construction
  - Two years of surveys for ECP
- NEPA
  - Check with USFWS to tier off EIS if possible

Draft_0013743

Study Plan and Permit Schedule

Year	Build	Survey Option 1	Survey Option 2	Permit Option 1	Permit Option 2
2022	Geo	Helicopter Survey of Initial Survey Area and Ground Survey	Helicopter Survey of Initial and Expanded Survey Area and Ground Survey	A. Short-term permit and nest removal permit applications B. Short-term, nest removal and long-term at same time	Nest removal and long-term permit application
2023	Geo			Short-term and nest removal permits issued (start construction)	
2025	Build				Long-term permit issued (start construction)
2027	Build	Helicopter Survey of Expanded Survey Area and Point County Surveys	Nest Check in Expanded Survey Area and Point County Surveys	Long-term permit application	
2030	Fill			Long-term permit issued	

Draft_0013744

Eagle Take Permit Approach Options

Option	Details	Pros	Cons
1	1 short-term permit, 1 nest removal permit (if needed), and 1 long-term permit	Agency recommended.	Short permit is only 5 years.
2	1 long-term permit, and 1 nest removal permit	Earlier assessment of impacts.	Timing (can't get it fast enough) and cost.

Discussion

- Meet with USFWS
- Finalize study plan
- Begin surveys in January 2022
- Develop long-term strategy and costs
- Finalize permitting approach
- Prepare permit applications in mid-2022

Discussion and Next Steps

- CDFW
  - Golden eagles are "fully protected"
    - Not possible to obtain a permit other than preparing a Natural Community Conservation Plan (NCCP) (Section 2835) or legislative exemption
  - Discuss survey and mitigation approach with CDFW

Draft_0013747