



SACRAMENTO - SAN JOAQUIN

**DELTA CONSERVANCY**

*A California State Agency*

## BOARD MEETING AGENDA

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**March 22, 2023, 9:00 a.m. – 1:00 p.m.**

**Delta Conservancy Conference Room**

**1450 Halyard Drive, Suite 6, West Sacramento, CA 95691**

This meeting will be conducted in a hybrid format. To maximize public safety while maintaining transparency and public access, members of the public can choose to participate either by webinar or in person at the location listed above. People attending in person will be required to adhere to the site's health guidelines, which could include wearing masks, health screening, or social distancing. Questions and public comment can be addressed to [contact@deltacconservancy.ca.gov](mailto:contact@deltacconservancy.ca.gov) prior to, and during the meeting.

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1. **Call to Order**
2. **Welcome, Pledge of Allegiance, Roll Call, and Introductions**
3. **Public Comment** (New Business)
4. **Consent Calendar** (Action Item)
  - Approval of January 26, 2023 Board Meeting Summary and Action Items (Attachment)
5. **Executive Officer's Report**, Campbell Ingram
  - Program Update (Attachment)
  - Budget and Expenditure Report (Attachment)
6. **Ecosystem Restoration and Climate Adaption Grant Program Update**, Dr. Trevor Fox (Attachment)
7. **Consideration of Amendment to Budget of Ecosystem Restoration and Climate Adaption Grant Program Agreement for Marsh Creek Reservoir Restoration and Total Mercury Reduction Planning Project**, Anjali Shakya (Attachment) (Action Item)
8. **Community Enhancement Grant Program Update**, Maya Garrett (Attachment)
9. **Consideration of Award of Climate, Access, and Restoration (CAR) Grant Funds for Delta Aquatic Center of Stockton Planning Project**, Maya Garrett (Attachment) (Action Item)

10. **Consideration of Amendment to Budget of Community Enhancement Grant Program Agreement for Building of the 1883 Clarksburg Schoolhouse and Creation of a Delta Welcome Center Project**, Martha Ozonoff (Attachment) (**Action Item**)
11. **The 2022 Delta Drought Response Pilot Program Report and Technical Analysis**, Dr. Rachel Wigginton (Attachment)
12. **Overview of Resources for Science, Data, and Environmental Compliance and Permitting for Delta Conservancy Projects**, Dr. Sarah Lesmeister (Attachment)
13. **EcoRestore Update**, Charlotte Biggs
14. **Delta Stewardship Council Update**, Brandon Chapin
15. **Delta Protection Commission Update**, Bruce Blodgett
16. **Delta Conveyance Update**, Janet Barbieri
17. **Potential Agenda Items for the May 24, 2023 Board Meeting**, Campbell Ingram (Attachment)
18. **Public Comment**
19. **ADJOURN**
  - To view the members of the Delta Conservancy Board, please visit <http://deltaconservancy.ca.gov/delta-conservancy-board>.
  - Attachments and additional information are on the Delta Conservancy's website at: <http://www.deltaconservancy.ca.gov>.
  - If you need reasonable accommodation due to a disability, or require printed copies of meeting materials, please contact us at least five (5) days prior to the meeting date at (916) 375-2084 or [contact@deltaconservancy.ca.gov](mailto:contact@deltaconservancy.ca.gov). This contact information may also be used for questions.
  - Public comments are generally limited to three (3) minutes but may be more or less at the discretion of the Board Chair.
  - The Board may consider the agenda items listed above in a different order at the Delta Conservancy Board meeting, pursuant to the determination of the Board Chair. All items appearing on this agenda, whether listed expressly for action, may be deliberated upon and subject to action at the discretion of the Delta Conservancy Board.



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## January 25, 2023 Board Meeting Summary and Action Items

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### AGENDA ITEMS

#### Agenda Item 1 – Call to Order

Meeting called to order at 9:02 a.m. by Chair Mashburn.

#### Agenda Item 2 – Welcome, Roll Call, Pledge of Allegiance, and Introductions

After roll call, agenda items were heard by the Board in the order indicated below.

#### Board Members Present:

- Mitch Mashburn
- Sandi Matsumoto
- Diane Burgis – teleconference
- Bryan Cash – teleconference
- Steven Ding – teleconference
- Pat Hume
- Sally Lukenbill – teleconference
- Jim Provenza
- Lilliana Udang
- Leo Winternitz
- Tom Patti (alternate to Steven Ding) – teleconference

#### Ex-Officio Members Present:

- None

#### Liaison Advisors and Counsel Present:

- Marge Kolar
- Bruce Blodgett – teleconference
- Donnie Radcliff – teleconference
- James Waters – teleconference
- Nicole Rinke, Counsel

#### Agenda Item 3 – Public Comment

None

#### **Agenda Item 4 – Consent Calendar**

**Motion:** Supervisor Provenza moved, seconded by Board member Matsumoto that the Board approve the following:

- October 26, 2022 Board Meeting Summary and Action Items
- November 16, 2022 Board Meeting Summary and Action Items

A roll call vote was taken. The motion did not pass with 5 ayes and 5 abstains.

It was determined that the required 6 aye votes could not be reached to approve the November Board Meeting Summary due to the replacement of four Board members. For this reason, the two items were voted on separately.

**Motion:** Supervisor Mashburn moved, seconded by Board Member Matsumoto that the Board approve the following:

- October 26, 2022 Board Meeting Summary and Action Items.

A roll call vote was taken. The motion passed with 6 ayes and 4 abstains.

After the meeting an error was found in the count. Udang was recorded as an aye vote when the vote was an abstain. The record is hereby corrected as follows.

A roll call vote was taken. The motion did not pass with 5 ayes and 5 abstains.

**Motion:** Board Member Matsumoto moved, seconded by Supervisor Provenza that the Board approve the following:

- November 16, 2022 Board Meeting Summary and Action Items.

A roll call vote was taken. The motion did not pass with 5 ayes and 5 abstains.

The Board decided to revisit this item at the March 22, 2023 Board meeting.

#### **Agenda Item 5 – Executive Officer’s Report**

The Executive Officer briefly highlighted several items on the staff report. New staff were introduced, and an update was given on nutria activity in the Delta. Staff researched the Board directive from the November meeting asking that the 20% maximum indirect rate for grants and contracts be explained. Staff found 20% to be the standard cap for indirect costs in State government, though it was not cited in the state contract manual, statute, or the latest bond language. It appears to be the cap that most agencies accept as covering costs while not being “a gift of public funds.” The report suggested that the Conservancy should hold the 20% cap but leave room for negotiation when warranted. The Conservancy hosted the first Delta Restoration Forum on February 8, 2023.

**Agenda Item 6 – Ecosystem Restoration and Climate Adaption Grant Program Update**

Conservancy staff highlighted items from the staff report, which included projects from three funding sources: Proposition 1 Water Quality, Supply, and Infrastructure Improvement Act (Prop 1); Climate Resilience, Community Access, and Natural Resource Protection (CAR); and Nature Based Solutions: Wetland Restoration (NBS: WR). Five grant awards from Prop 1 are being finalized, reports for closed Prop 1 grants are now available, several CAR grants are being finalized, and staff is actively seeking proposals for the CAR and NBS programs.

**Agenda Item 7 – Community Enhancement Grant Programs Update**

Conservancy staff highlighted items from the staff report, which included projects from two funding sources: Proposition 68 California Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018 (Prop 68) and CAR. The program team is managing 10 executed grants. Amendments are expected from some implementation grants due to rising construction costs.

**Agenda Item 8 – Delta Drought Response Pilot Program Update**

Staff provided background on the program. The work for the 2022 water year is now complete, the Conservancy is currently drafting 63 grant agreements for the 2023 water year, and the oversight committee report is being prepared for the March Board meeting.

**Agenda Item 9 – Consideration of 2023 Implementation Plan**

The Deputy Executive Officer summarized the accomplishments of 2022 and presented the 2023 Implementation Plan. This annual Implementation Plan provides a detailed accounting of the tasks the Conservancy will undertake in the coming year to align with the 2022-2027 Strategic Plan. An update on progress will be reported mid-year.

**Motion:** Board Member Winternitz moved, seconded by Supervisor Provenza, to approve the Draft Sacramento-San Joaquin Delta Conservancy 2023 Implementation Plan as presented.

A roll call vote was taken. The motion passed unanimously with 8 ayes (2 Board members could not vote due to teleconference issues).

**Agenda Item 10 – Potential Agenda Items for the March 22, 2023, Board Meeting**

- Consideration of Awards of Ecosystem Restoration and Climate Adaption Proposals
- Consideration of Award(s) of Community Enhancement Grant Program
- Delta Drought Response Pilot Program report for 2022 first year results

**Agenda Item 13 – Public Comment**

None

**BOARD DIRECTIVES TO STAFF**

- Provide an overview of resources for science, data, and environmental compliance and permitting for Delta Conservancy projects
- Provide a list of Delta Conservancy-funded projects that includes the county where projects are located
- Conduct on-site Board meetings at projects sites

**MEETING ADJOURNED** by Chair Mashburn at 10:08 a.m.

**CONTACT**

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**Executive Officer's Report**  
**March 22, 2023**

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**PROGRAM UPDATE**

**STAFFING UPDATE**

Please welcome Lauren Damon, our newest Senior Environmental Scientist. Lauren started with the Conservancy on February 13, 2023. She is the Ecosystem Restoration and Climate Adaptation Projects Supervisor and will be primarily managing grants for Nature Based Solutions. Lauren comes to us from the California Department of Fish and Wildlife with 15 years of experience monitoring and managing the Delta's aquatic resources.

The Conservancy continues to fill vacancies and hire additional staff to support programs. Current recruitments include an Office Technician and a Fiscal and Board Analyst.

**FORM 700 COMPLIANCE**

Notices from the Fair Political Practices Commission have been sent to Conservancy Board Members, alternate Board Members, and Liaison Advisors to complete Form 700, Statement of Economic Interests. Please complete your reporting prior to the final filing deadline of April 1, 2023. Thank you to those who have already completed their statements. Forms are completed on the Fair Political Practices Commission online portal. If you have any questions or need assistance, please contact Jessica Adel at [jessica.adel@deltaconservancy.ca.gov](mailto:jessica.adel@deltaconservancy.ca.gov).

**DELTA DROUGHT RESPONSE PILOT PROGRAM UPDATE (DDRPP)**

On November 16, 2022, the Conservancy Board approved 64 DDRPP grants for the 2023 water year, totaling \$10.87 million. Since January, three proposals withdrew from the program, resulting in 61 grants, totaling just over \$10.5 million. Thanks to an "all hands-on deck" effort by Conservancy staff, all 61 grants have been executed. Approximately one-third of grantees submitted their first invoice in February, with the remaining grantees submitting their first invoices in March. Agenda Item 11 of this Board packet features a presentation outlining the 2022 DDRPP Program Report and Technical Analysis.

**BOARD MEETING SUMMARY APPROVAL**

Due to intervening change in Board membership, it was not possible to approve the minutes from the October 26, 2022, and November 16, 2022 Board meetings at the January 25, 2023 meeting. Therefore, the meeting minutes have been marked unapproved and linked to the video recording of the meetings, thus allowing anyone the ability to confirm the validity of the minutes.

## **NUTRIA ERADICATION**

Please see the most recent update from the California Department of Fish and Wildlife included in this agenda item.

## **DELTA SCIENCE**

### **Fish Friendly Farming:**

The Conservancy, supported through a grant from the California State Water Resource Control Board (SWRCB), has contracted the California Land Stewardship Institute (CLSI) to implement the Fish Friendly Farming (FFF) Program in the Delta. A total of 10,752 acres of farmland has been enrolled in the Delta FFF Program. Implementation has begun on a recirculation pump to reduce return flows on Staten Island. This project will improve water quality by reducing return flows and, thus, reducing transport of chemical off-site and into nearby waterways.

### **Delta Science Coordination:**

Conservancy staff continue to work collaboratively with the broader Delta science community to advance ecological restoration, invasive species management, and regional science coordination in the Delta and Suisun Marsh.

Conservancy staff continues to co-lead the Delta Plan Interagency Implementation Committee (DPIIC) restoration subcommittee (subcommittee) with colleagues from the Delta Stewardship Council. On February 8, 2023, the subcommittee held the first Delta Restoration Forum at the Conservancy office. Over 50 individuals attended the in-person event, with over 100 people joining remotely as part of the hybrid meeting. Forum attendees were given space to introduce themselves to one another, received an update on the amendment to Chapter 4 of the Delta Plan from agency staff, engaged in strategic group conversations, and made connections during an open house. During the group conversations, participants were asked to think about the challenges and opportunities that would come as we implement future ecological restoration that supports flourishing Delta ecosystems and human communities. The outcomes of the forum will be discussed at the next subcommittee meeting and at the next gathering of the DPIIC.

Conservancy staff facilitate the Delta Interagency Invasive Species Coordination Team (DIISCT). The first DIISCT meeting of 2023 will take place on March 14, 2023.

Two upcoming public meetings will feature site visits and may be of interest to Board members. On March 28, 2023, the Delta Independent Science Board is hosting a tour focused on agriculture and wildlife-friendly farming. The next full meeting of the DPIIC is scheduled for April 24, 2023 and will feature a restoration site visit.

## **MEDIA MENTIONS**

The [Daily Republic published an article on February 2](#) about the proposed Pacific Flyway Center obtaining key permits and breaking ground in the coming months. The project is receiving funding from the Delta Conservancy for the “Walk in the Marsh” wildlife habitat-viewing area.



**BOARD DIRECTIVES TO STAFF**

1. Provide an overview of resources for science, data, environmental compliance and permitting for Delta Conservancy projects.
  - Agenda item 12 will address this topic
2. Provide a list of Conservancy-funded projects that includes information on the county where the project is located.
  - Staff will post and email to Board members an updated project list that includes county locations for projects.
3. Conduct on-site board meetings at project sites
  - We anticipate having a project site tour during the May Board meeting.

**DELTA CONSERVANCY BUDGET AND EXPENDITURE UPDATE**

Agenda Item 5 (2): Budget and Expenditure Report

**CORRESPONDENCE**

None

**CONTACT**

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California Department of Fish and Wildlife

### Nutria Eradication Program Update

#### Field Update March 9, 2023

Since March 2018, the nutria eradication efforts in California have:

1. Completed full and/or rapid assessments on over 1.8 M acres
2. Executed entry permits with 4,500 landowners for over 9,300 parcels in 14 counties
3. Set up 7,551 camera stations (1,126 currently active)
  - o Conducted 67,045 camera checks
4. Confirmed nutria within nearly 770 sites
5. Deployed over 9,194 trap sets for a total of 110,013 trap nights
6. Taken or accounted for the take of 3,406 nutria (since March 2017)
  - o Merced- 2,063
  - o Stanislaus- 970
  - o Fresno- 241
  - o San Joaquin- 110
  - o Mariposa- 12
  - o Sacramento -9
  - o Madera- 1 (San Joaquin River; Fresno County line)

Of 3,297 necropsies, the data has shown:

- o 1.14 sex ratio (M:F)
- o Of the females captured:
  - 23% of juvenile (2-6 mos.) females have been pregnant
  - 63% of subadult (6-14 mos.) females have been pregnant
  - 69% of adult (>14 months of age) females have been pregnant
- o 3,891 fetal nutria have been removed from the population
- o Litter size ranged from 1-13, with an average of 5.9
  - Average litter size for adult females (> 14 mos.) in California is 6.4

**Table 1.** The total number of cells with nutria taken, total number of nutria taken, and average number of nutria taken per cell, by year from March 2017 to March 9, 2023.

Year	Total (unique) cells with nutria taken	Total # nutria taken	Average # nutria taken per cell
2017	7	20	2.9
2018	57	348	6.1
2019	73	492	6.7
2020	157	1239	7.9
2021	145	703	4.9
2022	112	580	5.2
2023	17	24	1.4
<b>Grand Total</b>	<b>414</b>	<b>3406</b>	<b>8.2</b>

**SACRAMENTO-SAN JOAQUIN DELTA CONSERVANCY  
BUDGET AND EXPENDITURE REPORT  
July 1, 2022 through December 31, 2022**

Line Number	CATEGORY OF EXPENDITURES Personal Services (PS)	Delta Conservancy Budget	Actual Expenditures	Variance	Percent of Budget Expended
1	Salaries & Wages	\$1,470,472	\$636,635	\$833,837	43%
2	Temporary Help	\$79,755	\$41,308	\$38,447	52%
3	Benefits	\$790,324	\$342,734	\$447,590	43%
4	<b>TOTAL PERSONAL SERVICES</b>	<b>\$2,340,551</b>	<b>\$1,020,677</b>	<b>\$1,319,874</b>	<b>44%</b>

Line Number	CATEGORY OF EXPENDITURES Operating Expenditures and Equipment (OE & E)	Delta Conservancy Budget	Actual Expenditures	Variance	Percent of Budget Expended
5	General Expense	\$13,800	\$129	\$13,671	1%
6	Printing	\$5,783	\$0	\$5,783	0%
7	Communications	\$16,276	\$2,551	\$13,725	16%
8	Postage	\$260	\$58	\$202	22%
9	Travel-In State	\$5,773	\$924	\$4,849	16%
10	Training	\$16,375	\$5,100	\$11,275	31%
11	Facilities Operation	\$107,950	\$52,731	\$55,219	49%
12	Contracts & Personal Services-External	\$194,000	\$0	\$194,000	0%
13	Contracts & Personal Services-Interdepartmental	\$1,998,441	\$12,776	\$1,985,665	1%
14	Information Technology	\$52,512	\$227	\$52,285	0%
15	Central Administrative Service	\$0	\$0	\$0	0%
16	Non-Capital Asset Purchases	\$1,300	\$0	\$1,300	0%
17	Other items of Expense	\$0	\$0	\$0	0%
18	Unallocated Operating Expense & Equipment	\$79,485	\$0	\$79,485	0%
	Multi Year Support Appropriation-Unallocated				
19	Proposition 1 Program Support	\$291,226	\$0	\$291,226	0%
20	Proposition 68 Program Support	\$353,027	\$0	\$353,027	0%
21	Delta Drought Response Pilot Program Support	\$593,287	\$0	\$593,287	0%
22	Nature Based Solutions	\$2,108,753	\$0	\$2,108,753	0%
24	Grants and Subventions	\$65,696,200	\$416,240	\$65,279,960	1%
25	<b>TOTAL OPERATING EXPENDITURES &amp; EQUIPMENT</b>	<b>\$71,534,449</b>	<b>\$490,736</b>	<b>\$71,043,712</b>	<b>1%</b>

Line Number	TOTALS	Delta Conservancy Budget	Actual Expenditures	Variance	Percent of Budget Expended
26	<b>TOTAL PS &amp; OE &amp; E</b>	<b>\$73,875,000</b>	<b>\$1,511,413</b>	<b>\$72,363,586</b>	<b>2%</b>
27	REIMBURSEMENT	(\$11,897,000)	\$0	(\$11,897,000)	0%
28	<b>GRAND TOTAL</b>	<b>\$61,978,000</b>	<b>\$1,511,413</b>	<b>\$60,466,586</b>	<b>2%</b>



**Ecosystem Restoration and Climate Adaption Grant Program Update  
Staff Report**

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**BACKGROUND**

The Ecosystem Restoration and Climate Adaptation (ERCA) Grant Program refers to a collection of projects that support multi-benefit ecosystem restoration, watershed protection, and climate adaptation projects in the Sacramento-San Joaquin Delta and Suisun Marsh. Projects in this program are currently supported through several funding sources: Proposition 1 Water Quality, Supply, and Infrastructure Improvement Act; Climate Resilience, Community Access, and Natural Resource Protection (CAR); and Nature Based Solutions: Wetland Restoration (NBS:WR). The Proposition 1 Grant Program is designed to support multi-benefit ecosystem, watershed protection and restoration projects in accordance with statewide priorities. The CAR is a General Fund allocation and promotes multi-benefit projects within the areas of climate resilience, community access, and natural resources protection. The NBS:WR is a General Fund allocation supporting wetland restoration projects in the Sacramento-San Joaquin Delta.

The Grant Program requires both a concept proposal and a full proposal. Full proposals are subject to a rigorous review and evaluation process by staff and external professional reviewers (when applicable) and are recommended for funding based upon review, evaluation, and funding availability.

**Ecosystem Restoration and Climate Adaptation Grant Program Funding Sources. CEP refers to the Community Enhancement Grant Program (Agenda Item 7). Amounts listed in millions of dollars.**

Funding Source	Total Allocation	Minimum Amount Available for Grants	Total Amount Allocated for Grants	Amount Remaining to be allocated	Allocation Date	Encumbrance Date	Program(s) Supported by Funding Source
Proposition 1	\$50.0	\$42.5	\$42.2	\$0.3	8/13/2014	Variable	ERCA
CAR	\$5.25	\$4.99	\$4.25	\$.74	9/23/2021	6/30/2024	ERCA and CEP
CAR	\$6.125	\$5.82	\$0.0	\$5.82	9/6/2022	6/30/2025	ERCA and CEP
NBS: Wetland Restoration	\$36.0	\$34.2	\$0.0	\$34.2	9/6/2022	6/30/2025	ERCA

**PROGRAM UPDATE**

As of March 8, 2023, there are 18 active projects, five awarded projects with grant development underway, and 12 closed projects.

**ACTIVE PROJECTS**

**CAR– Fiscal Year 2021-2022**

The Board awarded \$390,000 for one planning project.

<b>Project Name</b>	<b>Big Break Regional Shoreline Restoration and Public Access Planning Project (Planning)</b>
<b>Amount Awarded</b>	\$390,000
<b>County</b>	Contra Costa
<b>Project ID</b>	CAR03
<b>Grantee</b>	East Bay Regional Park District
<b>Overview</b>	Create planning documents to support public access and the long-term sustainability of 1,648 acres of open water, wetlands, and upland habitat.
<b>Grant Agreement Status</b>	Active as of 12/14/2022
<b>New Information</b>	Project is ongoing.

**Cycle 5 – Fiscal Year 2021-2022**

The Board awarded approximately \$3.0 million for six projects (two planning and four implementation). One grant agreement has been executed.

<b>Project Name</b>	<b>Van Buskirk Multi-Benefit Ecosystem Restoration Planning Project (Planning)</b>
<b>Amount Awarded</b>	\$467,848
<b>County</b>	San Joaquin
<b>Project ID</b>	P1-2212
<b>Grantee</b>	American Rivers
<b>Overview</b>	Multi-benefit ecosystem restoration planning project that will integrate nature-based design solutions and multi-benefit flood protection concepts, as well as work with partners to seek implementation funding for future projects at the site.
<b>Grant Agreement Status</b>	Active as of 12/22/2022
<b>New Information</b>	Project is ongoing.

**Cycle 4 – Fiscal Year 2018-2019**

The Board awarded approximately \$14.9 million for 10 projects (eight planning and two implementation). Nine grant agreements have been executed. One project was withdrawn after receiving an award.

<b>Project Name</b>	<b>Mello/Jensen Heirs Sandhill Crane Preserve Project (Implementation)</b>
<b>Amount Awarded</b>	\$2,263,472
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1801
<b>Grantee</b>	Agricultural-Natural Resources Trust
<b>Overview</b>	Acquire a conservation easement on 275 acres of farmland to ensure that it remains as wildlife friendly agriculture
<b>Grant Agreement Status</b>	Active as of 12/29/2020
<b>New Information</b>	The Department of General Services has reviewed the appraisal for compliance with their standards and requirements.

<b>Project Name</b>	<b>Blacklock Restoration: Phragmites Control Study (Planning)</b>
<b>Agreement Amount</b>	\$387,440
<b>County</b>	Solano
<b>Project ID</b>	Prop 1-1803
<b>Grantee</b>	Department of Water Resources
<b>Overview</b>	Test methods for controlling invasive species in future restoration at the Blacklock restoration site
<b>Grant Agreement Status</b>	Funding ended 11/01/2022
<b>New Information</b>	The project is complete. Conservancy staff are working to complete closeout. Draft Final Report has been submitted and the Final Report is expected in the Spring of 2023.

<b>Project Name</b>	<b>Delta Waterways Habitat Restoration Planning (Planning)</b>
<b>Agreement Amount</b>	\$347,481
<b>County</b>	Solano
<b>Project ID</b>	Prop 1-1804
<b>Grantee</b>	Solano Resource Conservation District
<b>Overview</b>	Planning for restoration and enhancement of waterways and edge habitats on working lands in Solano County
<b>Grant Agreement Status</b>	Active as of 12/19/2019
<b>New Information</b>	Conservancy staff approved the Grantee's request for an additional site (Kingsley Ranch) within 2.5 miles of the Legal Delta.

<b>Project Name</b>	<b>Paradise Cut Conservation and Flood Management Project, Phase 2 (Planning)</b>
<b>Amount Awarded</b>	\$265,254
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-1806
<b>Grantee</b>	San Joaquin Resource Conservation District
<b>Overview</b>	Outreach and planning to advance the Paradise Cut Flood Bypass in San Joaquin County
<b>Grant Agreement Status</b>	Active as of 9/23/2020
<b>New Information</b>	Conservancy staff approved a modification request to extend the completion dates for three deliverables due to winter weather delays. No change to project end date.

<b>Project Name</b>	<b>Elk Slough Fish Passage and Flood Improvement (Planning)</b>
<b>Amount Awarded</b>	\$984,695
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-1807
<b>Grantee</b>	Reclamation District 999
<b>Overview</b>	Planning for habitat and flood control enhancements along Elk Slough
<b>Grant Agreement Status</b>	Active as of 7/10/2020
<b>New Information</b>	Conservancy staff approved the Grantee's amendment request to extend the Funding End Date from March 31, 2023 to December 31, 2023.

<b>Project Name</b>	<b>Lower San Joaquin Riparian Corridor (Planning)</b>
<b>Amount Awarded</b>	\$522,027
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-1808
<b>Grantee</b>	American Rivers
<b>Overview</b>	Planning for restoration of floodplain and riparian habitat along the lower San Joaquin River
<b>Grant Agreement Status</b>	Active as of 5/3/2021
<b>New Information</b>	Project is ongoing.

<b>Project Name</b>	<b>Phase 1 San Joaquin River Floodplain Restoration and Floodway Enhancement at Banta-Carbona Project (Planning)</b>
<b>Amount Awarded</b>	\$750,931
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-1810
<b>Grantee</b>	Banta-Carbona Irrigation District
<b>Overview</b>	Planning for 30 acres of seasonally inundated floodplain restoration
<b>Grant Agreement Status</b>	Active as of 12/10/2020
<b>New Information</b>	Project is ongoing.

<b>Project Name</b>	<b>Nutria Eradication Project, Phase 2 (Implementation)</b>
<b>Agreement Amount</b>	\$8,483,080
<b>County</b>	Multiple
<b>Project ID</b>	Prop 1-1813
<b>Grantee</b>	California Department of Fish and Wildlife
<b>Overview</b>	Surveys for and removal of invasive species to minimize or avoid impacts to wetland habitats and water quality.
<b>Grant Agreement Status</b>	Active as of 6/8/2020
<b>New Information</b>	Conservancy staff approved the Grantee's amendment request to extend the funding term through June 30, 2026 and make minor modifications to deliverables associated with Nutria detector dogs.

<b>Project Name</b>	<b>Oakley Creekside Park Restoration (Planning)</b>
<b>Amount Awarded</b>	\$436,465
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1814
<b>Grantee</b>	City of Oakley
<b>Overview</b>	Planning for restoration of floodplain and riparian habitat along Marsh Creek
<b>Grant Agreement Status</b>	Active as of 12/11/2020
<b>New Information</b>	Project is ongoing.



**Cycle 3 – Fiscal Year 2017-2018**

The Board awarded approximately \$16.0 million for eight projects (four planning and four implementation). To date, two grants have closed.

<b>Project Name</b>	<b>Restoration Planning at River Garden Farms: Improving aquatic habitat resiliency on working lands along the Sacramento River (Planning)</b>
<b>Agreement Amount</b>	\$647,701
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-1702
<b>Grantee</b>	American Rivers
<b>Overview</b>	Develop restoration design plans for seven different project sites at River Garden Farms to restore ecosystem function in floodplain, wetland, and riparian habitats and provide habitat connectivity on a working farm
<b>Grant Agreement Status</b>	Active as of 1/22/2019
<b>New Information</b>	The Grantee has secured implementation from the Wildlife Conservation Board for riparian project site 1. Project is ongoing.

<b>Project Name</b>	<b>Knightsen Wetland Restoration and Flood Protection Project (Planning)</b>
<b>Agreement Amount</b>	\$1,225,000
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1709
<b>Grantee</b>	East Contra Costa County Habitat Conservancy
<b>Overview</b>	Advance planning for restoring wetlands and managing and treating storm water on public land in Knightsen
<b>Grant Agreement Status</b>	Active as of 3/20/2019
<b>New Information</b>	The Grantee prepared drafts of a preliminary design report, CEQA documents, and a technical memorandum. Updates are being made to address the January 2023 storm events and impacts to the project site.

<b>Project Name</b>	<b>Grizzly Slough Floodplain Restoration Project at the Cosumnes River Preserve (Implementation)</b>
<b>Agreement Amount</b>	\$8,700,800
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1710
<b>Grantee</b>	Department of Water Resources
<b>Overview</b>	Restore wetland and riparian habitat to the 334-acre site by breaching the levee and reintroducing tidal and seasonal flooding, and by establishing native vegetation
<b>Grant Agreement Status</b>	Active as of 4/30/2020
<b>New Information</b>	Project is delayed due to conservation easement issue. Amendment request is expected March 2023.

<b>Project Name</b>	<b>Three Creeks Parkway Restoration Project #2 (Implementation)</b>
<b>Agreement Amount</b>	\$990,543
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1711
<b>Grantee</b>	American Rivers
<b>Overview</b>	This agreement has been cleared to expire on 6/30/22.
<b>Grant Agreement Status</b>	Funding ended 06/30/2022.
<b>New Information</b>	Project is complete. Conservancy staff are working to complete closeout.

<b>Project Name</b>	<b>Stone Lakes Restoration Project (Planning)</b>
<b>Agreement Amount</b>	\$635,573
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1713
<b>Grantee</b>	Ducks Unlimited, Inc.
<b>Overview</b>	Planning to restore approximately 257 acres of seasonal wetland and 39 acres of riparian seasonal wetland, and enhance 20 acres of existing low-quality wetland on the Stone Lakes National Wildlife Refuge
<b>Grant Agreement Status</b>	Active as of 4/2/2019
<b>New Information</b>	Conservancy staff approved the Grantee's request to extend funding timeline through December 31, 2023 due to delays with environmental compliance. Project is ongoing.

<b>Project Name</b>	<b>Nutria Eradication Project (Implementation)</b>
<b>Agreement Amount</b>	\$1,125,577
<b>County</b>	Multiple
<b>Project ID</b>	Prop 1-1718
<b>Grantee</b>	California Department of Fish and Wildlife
<b>Overview</b>	Eliminate nutria from all known and discovered locations in California to prevent nutria from causing significant ecological damage in the Delta
<b>Grant Agreement Status</b>	Funding ended on 4/30/2022
<b>New Information</b>	The project is complete. Conservancy staff are working to complete closeout.

**Cycle 2 – Fiscal Year 2016-2017**

The Board awarded approximately \$4.4 million for four projects (one planning and three implementation). To date, all four grants have closed.

**Cycle 1 – Fiscal Year 2015-2016**

The Board awarded approximately \$3.9 million to seven projects (four planning and three implementation). To date, six grants have fully closed.

<b>Project Name</b>	<b>Wildlife Corridors for Flood Escape on the Yolo Bypass Wildlife Area Project (Implementation)</b>
<b>Agreement Amount</b>	\$836,234
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-Y1-2015-016
<b>Grantee</b>	Yolo Resource Conservation District
<b>Overview</b>	Restore up to 5 miles (22 acres) of floodway-compatible wildlife and pollinator habitat, providing a transit corridor for wildlife during floods
<b>Grant Agreement Status</b>	Funding ended 12/31/2022
<b>New Information</b>	The Grantee is completing final project deliverables.

**APPROVED PROJECTS (TOTAL AMOUNT AWARDED: \$2,567,407)**

Of the Board-approved projects, there are five projects (one planning and four implementation) from Proposition 1 Cycle 5 (Fiscal Year 2021-2022) that are in grant agreement development.

<b>Project Name</b>	<b>Little Franks Tract Invasive Weed Removal and Restoration Project (Implementation)</b>
<b>Amount Awarded</b>	\$427,706
<b>County</b>	Contra Costa
<b>Project ID</b>	P1-2204
<b>Grantee</b>	Contra Costa Resource Conservation District
<b>Overview</b>	Test and identify workable solutions to remove invasive weeds, improve habitat value, and prevent further spread of invasive plants in the Franks Tract State Recreation Area.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Conservancy staff are working with the Grantee to address concerns raised by the Grantee’s Board related to herbicide treatment.

<b>Project Name</b>	<b>Yolo Bypass Wildlife Area Habitat and Drainage Improvement Project, Phase Two (Implementation)</b>
<b>Amount Awarded</b>	\$887,516
<b>County</b>	Yolo
<b>Project ID</b>	P1-2207
<b>Grantee</b>	Ducks Unlimited
<b>Overview</b>	Constructing hydrological improvements that will restore 220 acres of seasonal wetland, enhance management of 1,803 existing seasonal wetland, and improve water management to 1,180 acres of wildlife friendly agricultural wetland.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Grantee is obtaining final signatory approvals. Anticipated execution in March 2023.

<b>Project Name</b>	<b>Ulatis Creek Habitat Restoration Project (Implementation)</b>
<b>Amount Awarded</b>	\$359,639
<b>County</b>	Solano County
<b>Project ID</b>	P1-2208
<b>Grantee</b>	Solano County Resource Conservation District
<b>Overview</b>	Create 20 acres of riparian woodland area along the north bank of Ulatis Creek. A total of 1,880 native trees/shrubs and 25,000 forb/sedge plugs will be planted, 100 pounds of wildflowers will be seeded, and invasive non-native plants (including <i>Arundo donax</i> ) will be controlled throughout the project site resulting in an increase in native habitat area.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Grant agreement draft in progress.

<b>Project Name</b>	<b>Improving Hydrological Resiliency of Managed Wetlands in the Suisun Marsh (Implementation)</b>
<b>Amount Awarded</b>	\$542,546
<b>County</b>	Solano
<b>Project ID</b>	P1-2209
<b>Grantee</b>	Suisun Resource Conservation District
<b>Overview</b>	Improve habitat conditions in the Suisun Marsh by installing new hydrological infrastructure at four project sites that will benefit 3,000 acres of managed wetlands.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Conservancy staff met with Awardee to resolve environmental compliance concerns and now the grant agreement is in its final stages of review.

<b>Project Name</b>	<b>Marsh Creek Reservoir Restoration and Total Mercury Reduction Project (Planning)</b>
<b>Amount Awarded</b>	\$350,000
<b>County</b>	Contra Costa
<b>Project ID</b>	P1-2211
<b>Grantee</b>	Contra Costa County Flood Control and Water Conservation District
<b>Overview</b>	Design a shovel-ready multi-benefit project that would restore the Marsh Creek Reservoir system, provide ecological benefit, improve flood capacity, and enhance public recreation opportunities.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Conservancy staff prepared staff recommendation for Board consideration for a pre-execution amendment to project budget (Agenda Item 7.1).

**CLOSED PROJECTS**

To date, a total of twelve projects funded by Proposition 1 have fully closed (six planning, six implementation). To receive a copy of a final report, please submit a written request specifying the project(s) of interest to [prop1grants@deltaconservancy.ca.gov](mailto:prop1grants@deltaconservancy.ca.gov).

<b>Project Name</b>	<b>Yolo Bypass Wildlife Area Habitat and Drainage Improvement Project (Implementation)</b>
<b>Agreement Amount</b>	\$2,026,814
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-Y1-2015-003
<b>Grantee</b>	Ducks Unlimited
<b>Overview</b>	Implement habitat and working landscape enhancements in the Yolo Bypass Wildlife Area
<b>Grant Agreement Status</b>	Closed as of 03/31/2022
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Fish Friendly Farming Certification Program for the Sacramento-San Joaquin Delta (Planning)</b>
<b>Amount Spent</b>	\$89,448 (\$2 unspent)
<b>County</b>	All Delta Counties
<b>Project ID</b>	Prop 1-Y1-2015-005
<b>Grantee</b>	California Land Stewardship Institute
<b>Overview</b>	Develop a program to work with farmers to improve water quality, that is specific to the crops and water quality concerns in Delta counties
<b>Grant Agreement Status</b>	Closed as of 10/9/2020
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Sherman Island Restoration Project, Phase III (Planning)</b>
<b>Amount Spent</b>	\$93,599 (\$6,367 unspent)
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-Y1-2015-008
<b>Grantee</b>	Ducks Unlimited
<b>Overview</b>	Develop plans and permits to restore up to 1,600 acres of wetlands on Sherman Island to provide habitat, reverse subsidence, and sequester carbon
<b>Grant Agreement Status</b>	Closed as of 3/1/2019
<b>New Information</b>	Closed; a final report is available for review. Design plans are still current. Waiting for Phase II to be completed.

<b>Project Name</b>	<b>Three Creeks Parkway Restoration Project (Implementation)</b>
<b>Agreement Amount</b>	\$836,409
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-Y1-2015-009
<b>Grantee</b>	American Rivers
<b>Overview</b>	Convert denuded flood control channel at the confluence of Marsh, Sand, and Deer Creeks into a healthy stream corridor
<b>Grant Agreement Status</b>	Funding ended 12/31/2021.
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Paradise Cut Conservation and Flood Management Plan (Planning)</b>
<b>Amount Spent</b>	\$99,924 (\$217 unspent)
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-Y1-2015-012
<b>Grantee</b>	San Joaquin Resource Conservation District
<b>Overview</b>	Advance plans for a new flood bypass that will reduce flood risk, improve habitat, and maintain agricultural land along the San Joaquin River south of Paradise Cut
<b>Grant Agreement Status</b>	Closed as of 6/30/2019
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Lower Marsh and Sand Creek Watershed Restoration Planning Project (Planning)</b>
<b>Amount Spent</b>	\$73,493 (\$2,391 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-Y1-2015-019
<b>Grantee</b>	American Rivers
<b>Overview</b>	Create a Programmatic California Environmental Quality Act document for future restoration activities conducted by Grantee and their partners in the Marsh Creek and Sand Creek watersheds
<b>Grant Agreement Status</b>	Closed as of 12/31/2019
<b>New Information</b>	Closed; a final report is available for review. The Programmatic Mitigated Negative Declaration, developed as part of this project, is being used during the planning of the P1-1814 grant.

<b>Project Name</b>	<b>Dutch Slough Revegetation (Implementation)</b>
<b>Agreement Amount</b>	\$2,900,000 (\$270 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1602
<b>Grantee</b>	Reclamation District 2137
<b>Overview</b>	Establish and maintain 468 acres of native tidal marsh, riparian, and grassland vegetation at the Dutch Slough restoration site
<b>Grant Agreement Status</b>	Closed as of 07/15/2022.
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Petersen Ranch: Working Waterway Habitat Enhancement Project (Implementation)</b>
<b>Agreement Amount</b>	\$444,464 (\$1,398 unspent)
<b>County</b>	Solano
<b>Project ID</b>	Prop 1-1605
<b>Grantee</b>	Solano Resource Conservation District
<b>Overview</b>	Restore 13.5 acres of riparian habitat and improve water quality through improved cattle management practices on approximately 525 acres of active farmland along Lindsey Slough
<b>Grant Agreement Status</b>	Closed as of 2/11/2022
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Restoration of Priority Wetlands for Endangered Species at the Cosumnes River Preserve (Implementation)</b>
<b>Amount Spent</b>	\$942,631 (\$145,798 unspent)
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1608
<b>Grantee</b>	Sacramento County Regional Parks
<b>Overview</b>	Restore 110 acres of freshwater wetlands to benefit listed species
<b>Grant Agreement Status</b>	Closed as of 1/28/2021
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Investigations of Restoration Techniques that Limit Invasion of Tidal Wetlands (Planning)</b>
<b>Agreement Amount</b>	\$104,452 (\$21,398 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1612
<b>Grantee</b>	The Regents of the University of California (UC Davis)
<b>Overview</b>	Identify improved methods for tidal wetland revegetation that reduce invasion by non-native plants at Dutch Slough
<b>Grant Agreement Status</b>	Closed as of 11/30/2021
<b>New Information</b>	Closed; a final report is available for review.



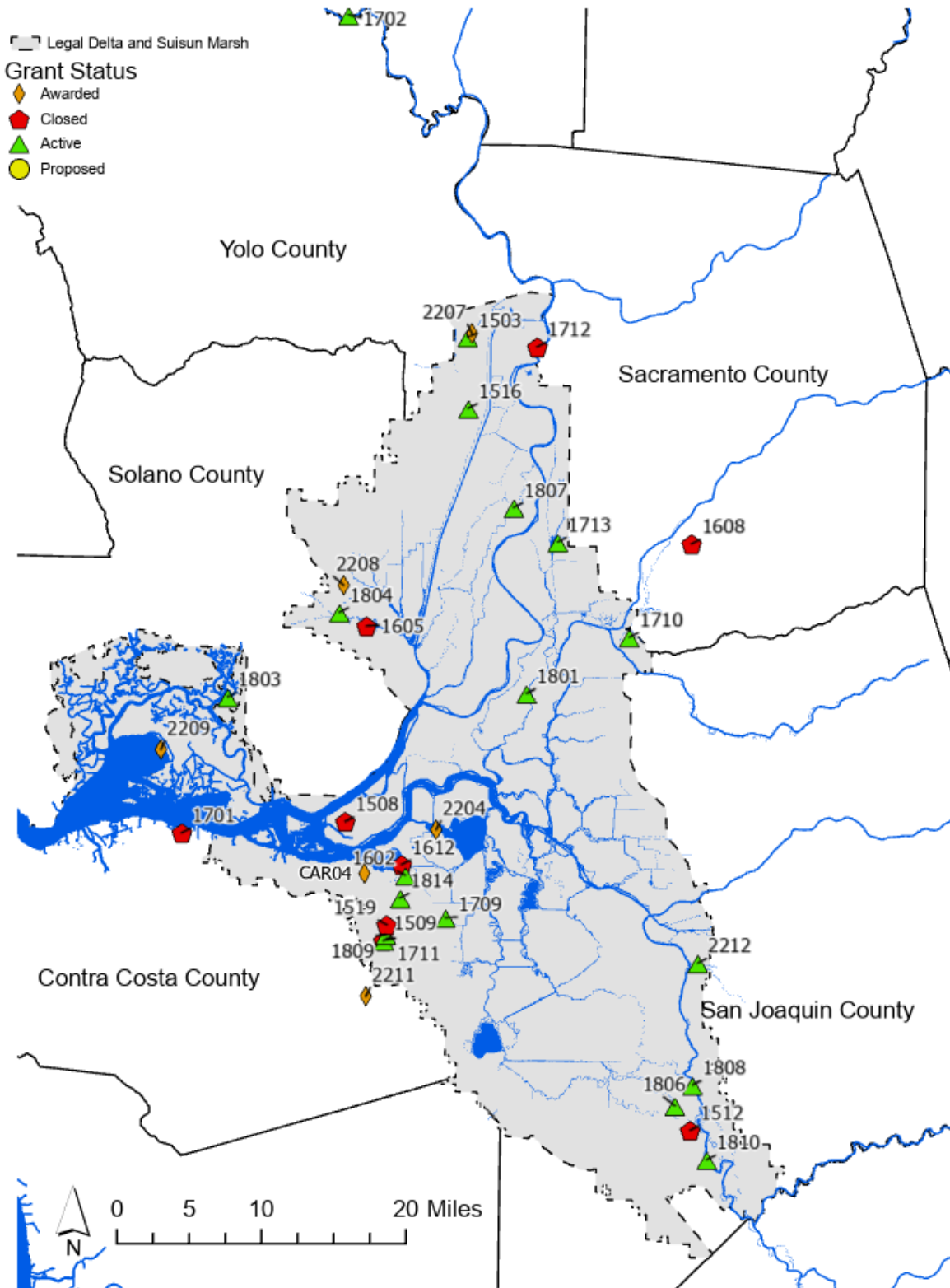
<b>Project Name</b>	<b>Bay Point Habitat Restoration Project (Implementation)</b>
<b>Agreement Amount</b>	\$2,100,000 (\$13,718 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1701
<b>Grantee</b>	East Bay Regional Park District
<b>Overview</b>	Restore 44 acres of wetland and grassland and 5,595 linear feet of saline emergent marsh channel at Bay Point Regional Shoreline Park
<b>Grant Agreement Status</b>	Closed as of 12/31/2021
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Bees Lakes Habitat Restoration Plan (Planning)</b>
<b>Agreement Amount</b>	\$592,500 (\$886.63 unspent)
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-1712
<b>Grantee</b>	City of West Sacramento
<b>Overview</b>	Develop a detailed habitat restoration plan to restore disturbed riparian habitat, control non-native species, improve pond water quality, and improve the ability of the Bees Lakes area to support listed species
<b>Grant Agreement Status</b>	Closed as of 4/27/2021
<b>New Information</b>	Closed; a final report is available for review. Grantee awarded Climate, Access, and Restoration for funds at July 2022 Conservancy Board meeting.

**CONTACT**

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FIGURE 7.1. MAP OF ECOSYSTEM RESTORATION AND CLIMATE ADAPTATION PROJECTS



Two active projects (1718, 1813) and one closed project (1505) are not mapped due to their large spatial coverage.



**Consideration of Amendment to Budget of Ecosystem Restoration and Climate Adaptation Grant Program Agreement for Marsh Creek Reservoir Restoration and Total Mercury Reduction Planning Project Staff Report**

<b>Grantee</b>	Contra Costa County Flood Control and Water Conservation District
<b>Project ID</b>	P1-2211
<b>Award Year</b>	2022
<b>County</b>	Contra Costa County
<b>Category</b>	Planning
<b>Original Award Amount</b>	\$350,000
<b>Amended Request Amount</b>	\$550,000
<b>Request</b>	Budget Amendment

This agenda item presents a request to increase the total budget of the grant award, which has yet to be executed. It does not propose a change to the term or scope of work.

**RECOMMENDATION**

Staff recommends that the Board approve a budget increase of up to \$200,000 as presented in this report.

**DESCRIPTION**

The Awardee requests an addition of \$200,000 to the original grant award to support increased project costs. Specifically, the additional funds will cover a portion of increased consultant design and permitting costs.

In August 2022, the Awardee initiated a competitive qualification-based procurement process to hire a consultant to perform project design, environmental compliance, and permitting. The resulting cost proposal from a qualified consultant was significantly higher than the Awardee’s budgetary estimate. To contain increasing project costs, the Awardee has negotiated a reduction in the consultant’s billing rates and has agreed to take over some tasks that were originally delegated to the consultant. The Awardee will provide both cash and in-kind services for a cost share amount representing approximately 47 percent of the total project budget (see Table 1 below).

Inflation has led to widespread increases in project budgets. The total amount for this project remains within the typical range for planning projects funded by the Delta Conservancy with Proposition 1 funds (\$75,000 to \$1,500,000, average \$550,000).

Table 1. Project Budget Request History and Cost Share Breakdown.

	Delta Conservancy Funding	Awardee Cost Share	Total Project Budget
Board Approved Amount	\$350,000	\$249,898	\$599,898
Current Request	\$550,000	\$479,843	\$1,029,843
Increase	<b>\$200,000</b>	\$229,945	\$429,945

If the requested budget increase is not approved, the Awardee intends to cover the increased costs with funds that have been set aside from other sources for future project implementation. This could result in delayed or deferred project implementation.

**BACKGROUND**

At the July 27, 2022 Board meeting, the Board awarded funding of up to \$350,000 to the Contra Costa Flood Control and Water Conservation District for the Marsh Creek Reservoir Restoration and Total Mercury Reduction Planning Project. The objective of this planning project is to develop shovel-ready design plans, complete California Environmental Quality Act provisions, and submit applications for all necessary permits. The grant agreement for this project has not yet been executed, and this is the first amendment requested for this project.

**SUGGESTED MOTION LANGUAGE:**

Move that the Board approve a pre-execution amendment to the grant agreement with Contra Costa County Flood Control and Water Conservation District for Project ID P1-2211 to award an additional [insert increased funding amount] in project funding.

**CONTACT**

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 (916) 376-4024



**Community Enhancement Grant Program Update  
 Staff Report**

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**BACKGROUND**

The Community Enhancement Grant Program (CEP) refers to a collection of projects that support and enhance communities and economies in the Sacramento-San Joaquin Delta and Suisun Marsh. Projects in this program are currently funded through Proposition 68 California Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018 and the Climate Resilience, Community Access, and Natural Resource Protection (CAR) funds. The Proposition 68 Grant Program is designed to promote a robust Delta economy, support the vitality of Delta communities, and allow staff to provide guidance to project proponents as they develop proposals to meet these goals. The CAR is a General Fund allocation and is designed to promote multi-benefit projects within the areas of climate resilience, community access, and natural resource restoration.

The Grant Program requires both a concept proposal and a full proposal. Full proposals are subject to a rigorous review and evaluation process by staff and external professional reviewers (when applicable), and are recommended for funding based upon review, evaluation, and funding availability.

The below table highlights the allocations for Proposition 68 (bond funds) and CAR (general funds). Each funding source has funds allocated for both administration and grants. The amount remaining to be allocated are funds available for new grants.

**Community Enhancement Grant Program Funding Sources. ERCA refers to the Ecosystem Restoration and Climate Adaptation Grant Program (Agenda Item 6). Amounts listed in millions of dollars.**

Funding Source	Total Allocation	Minimum Amount Available for Grants	Total Amount Allocated for Grants	Amount Remaining to be Allocated	Allocation Date	Encumbrance Date	Program(s) Supported by Funding Source
Proposition 68	\$12.0	\$8.7	\$3.6	\$5.1	6/8/2018	Variable	CEP
CAR	\$5.25	\$4.99	\$4.25	\$.74	9/23/2021	6/30/2024	ERCA and CEP
CAR	\$6.125	\$5.82	\$0	\$5.82	9/6/2022	6/30/2025	ERCA and CEP

**PROGRAM UPDATE**

As of February 21, 2023, there are ten active projects and two working proposals. In the following tables, the DAC/SDAC designations indicates whether the project serves a disadvantaged community (DAC) or a severely disadvantaged community (SDAC), as confirmed by the Delta Conservancy SDAC policy. Proposition 68 requires that 20 percent of the allocation go to projects that support SDAC communities; twenty percent of the Delta Conservancy’s allocation is \$2,400,000. Of the \$3,609,482 for active, awarded, or requested Proposition 68 projects, \$3,271,619 (91 percent) is expected to support SDAC communities.

**ACTIVE PROJECTS (TOTAL AMOUNT OBLIGATED: \$7,469,012)**

<b>Project Name</b>	<b>Land Acquisition for the Clarksburg Schoolhouse &amp; Delta Welcome Center (Acquisition)</b>
<b>Amount Awarded</b>	\$310,373
<b>County</b>	Yolo
<b>Project ID</b>	P6802
<b>Grantee</b>	Friends of the 1883 Clarksburg Schoolhouse
<b>Overview</b>	Acquire 1.13-acre parcel to serve as the permanent home of the restored 1883 Clarksburg Schoolhouse.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 05/02/2022
<b>New Information</b>	The Grantee submitted payment for escrow and will complete the purchase of the property by March Board meeting.

<b>Project Name</b>	<b>Southport Levee Recreational Trail (Planning)</b>
<b>Amount Awarded</b>	\$337,863
<b>County</b>	Yolo
<b>Project ID</b>	P6803
<b>Grantee</b>	City of West Sacramento
<b>Overview</b>	Create planning documents for preparation of paving of 5.6 miles of levee top for recreational use.
<b>DAC/SDAC</b>	Neither
<b>Grant Agreement Status</b>	Active as of 12/20/2021
<b>New Information</b>	Environmental clearance and permitting is now 20 percent complete.

<b>Project Name</b>	<b>Pittsburg Boat Launch Facility &amp; Central Harbor Park Upgrade (Planning)</b>
<b>Amount Awarded</b>	\$172,155
<b>County</b>	Contra Costa
<b>Project ID</b>	P6804
<b>Grantee</b>	City of Pittsburg
<b>Overview</b>	Create planning documents for preparation of recreational and safety enhancements to the Boat Launch Facility & Central Harbor Park.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 10/01/2021
<b>New Information</b>	The Grantee completed 90 percent design plans and submitted a concept proposal to Conservancy staff to fund implementation of the project.

<b>Project Name</b>	<b>Isleton Museum in the Bing Kong Tong Building (Implementation)</b>
<b>Amount Awarded</b>	\$44,500
<b>County</b>	Sacramento
<b>Project ID</b>	P6805
<b>Grantee</b>	Isleton Museum
<b>Overview</b>	Purchase museum-quality display cases to house historical artifacts within the Isleton Museum, located in the newly renovated Bing Kong Tong Building.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 6/17/2022
<b>New Information</b>	The Grantee purchased the display cases and is awaiting delivery.

<b>Project Name</b>	<b>Discover the Delta Education Center (Planning)</b>
<b>Amount Awarded</b>	\$223,456
<b>County</b>	Sacramento
<b>Project ID</b>	P6806
<b>Grantee</b>	Discover the Delta Foundation
<b>Overview</b>	Update 2009 building plans to meet current building codes and obtain updated approvals and permits to implement construction of the Delta Education Center.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 6/27/2022
<b>New Information</b>	The Grantee is updating building plans and will apply for permits soon.

<b>Project Name</b>	<b>Freeport, Delta Gateway Monuments (Planning)</b>
<b>Amount Awarded</b>	\$223,277
<b>County</b>	Sacramento
<b>Project ID</b>	P6808
<b>Grantee</b>	Sacramento County
<b>Overview</b>	Create planning documents in preparation of the installation of two gateway monuments and one interpretive sign in Freeport.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 9/21/2022
<b>New Information</b>	The Grantee started community planning meetings and site research.

<b>Project Name</b>	<b>Asian American Heritage Park Development (Implementation)</b>
<b>Amount Awarded</b>	\$554,772
<b>County</b>	Sacramento
<b>Project ID</b>	P6811
<b>Grantee</b>	Delta Educational Cultural Society
<b>Overview</b>	Create a .07-acre park that will include culturally relevant objects and interpretive exhibits on the history and heritage of the Chinese and Japanese immigrants who once occupied the Asian American Historic District of Isleton.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 03/11/2022
<b>New Information</b>	The Grantee completed design and construction documents and obtained approval from the City of Sacramento for the project.

<b>Project Name</b>	<b>Clarksburg Schoolhouse Restoration and Delta Welcome Center (Implementation)</b>
<b>Amount Awarded</b>	\$1,742,766
<b>County</b>	Yolo
<b>Project ID</b>	P6813
<b>Grantee</b>	Friends of the 1883 Clarksburg Schoolhouse
<b>Overview</b>	Restore the 1883 Clarksburg Schoolhouse (fully restored building, interior and exterior displays, and landscaping) and develop a Delta Welcome Center.
<b>DAC/SDAC</b>	SDAC
<b>Grant Agreement Status</b>	Active as of 7/18/2022
<b>New Information</b>	The Grantee requested an amendment for budget increase of \$328,206 and term extension (Agenda Item 10).



<b>Project Name</b>	<b>Pacific Flyway Center: Walk in the Marsh (Implementation)</b>
<b>Amount Awarded</b>	\$1,486,050
<b>County</b>	Solano
<b>Project ID</b>	CAR01
<b>Grantee</b>	Pacific Flyway Fund
<b>Overview</b>	Build three miles of ADA-compliant hiking trails, boardwalks, and educational signage throughout restored wetlands in Suisun Marsh.
<b>Grant Agreement Status</b>	Active as of 03/22/2022
<b>New Information</b>	The Grantee continues to work on obtaining environmental and regulatory permits.

<b>Project Name</b>	<b>Bees Lake Public Access (Planning)</b>
<b>Amount Awarded</b>	\$2,373,800
<b>County</b>	Yolo
<b>Project ID</b>	CAR02
<b>Grantee</b>	Bees Lake Public Access
<b>Overview</b>	Remove and control invasive species and reestablish native species. Build 700 square foot viewing platform and 1,395 linear feet of ADA-compliant access to riparian forest.
<b>Grant Agreement Status</b>	Active as of 7/29/2022
<b>New Information</b>	The Grantee has initiated contracts with subcontractors.

**WORKING PROPOSALS (TOTAL AMOUNT REQUESTED: \$7,389,406)**

<b>Project ID</b>	<b>Project Name</b>	<b>Applicant</b>	<b>Project Type</b>	<b>Amount Requested</b>	<b>County</b>	<b>DAC/SDAC</b>	<b>Proposal Status</b>
<b>CAR05</b>	Delta Aquatic Center	San Joaquin Community Foundation	Planning	\$2,544,725	San Joaquin	SDAC	Before the Board (Agenda Item 9)
<b>CAR06</b>	Central Harbor Park and Boat Launch Facility Upgrade Project	City of Pittsburg	Implementation	\$4,844,681	Contra Costa	SDAC	Under review

**CONTACT**

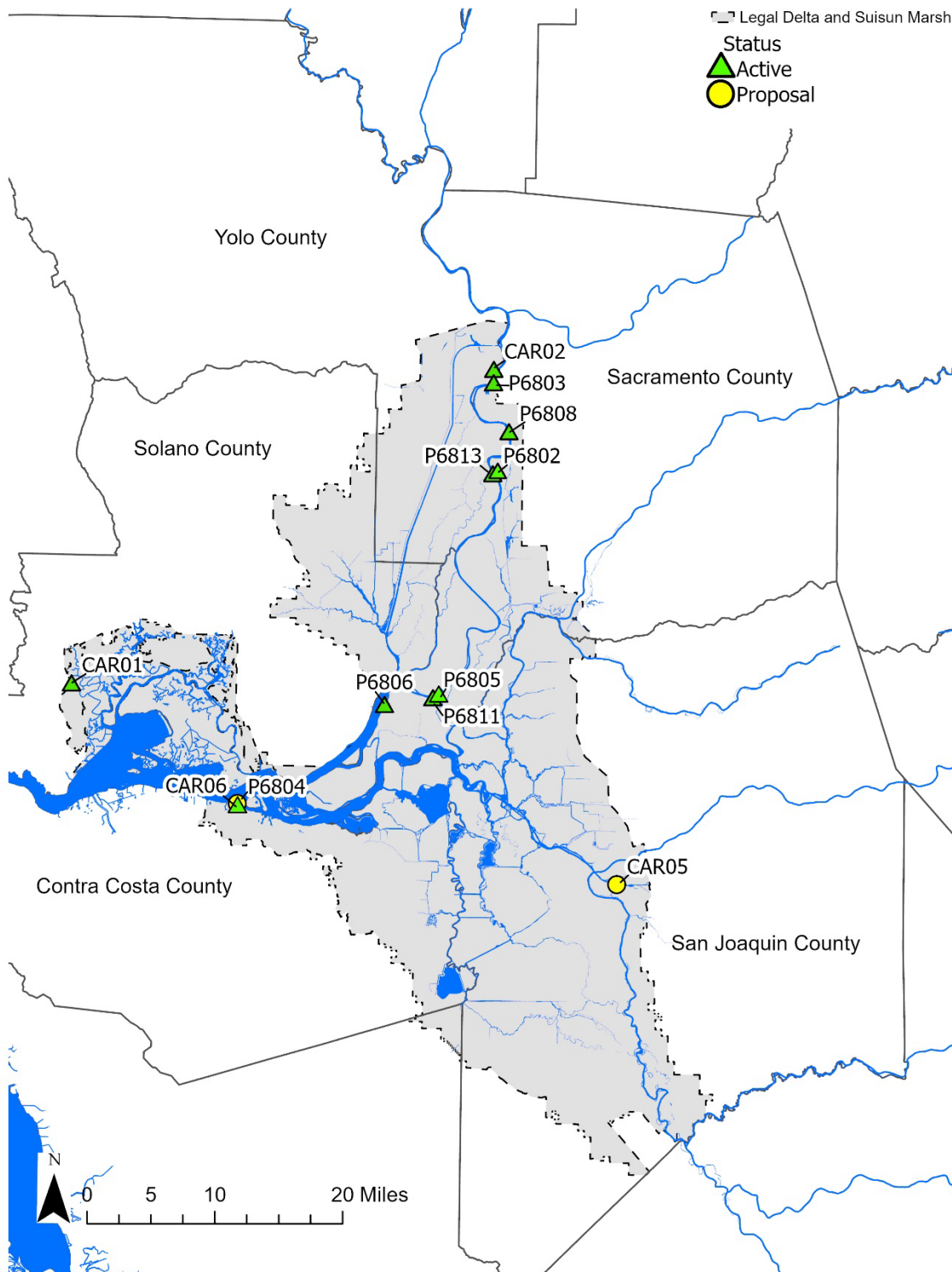
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FIGURE 8.1. MAP OF LOCATION AND STATUS OF COMMUNITY ENHANCEMENT GRANT PROGRAM PROJECTS





**Consideration of Award of Climate, Access, and Restoration (CAR) Grant Funds for the  
Delta Aquatic Center of Stockton Planning Project  
Staff Recommendation**

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This agenda item presents for Board consideration a recommendation to award CAR Program funding for the Delta Aquatic Center of Stockton Planning project.

**PROJECT OVERVIEW**

<b>Applicant</b>	San Joaquin Community Foundation
<b>Project ID</b>	CAR05
<b>Project Type</b>	Planning
<b>County</b>	San Joaquin
<b>Funding Request</b>	\$2,544,725
<b>Total Project Cost</b>	\$2,544,725
<b>Funding Recommendation</b>	\$2,544,725

**RECOMMENDATION**

Conservancy staff recommends that the Board approve up to \$2,544,725 in grant funding for the Delta Aquatic Center of Stockton Planning project (CAR05) proposed by the San Joaquin Community Foundation. Conservancy staff prepared the text below based on staff’s best understanding of the information provided in the application and meetings with members of San Joaquin Community Foundation. Staff followed the General Grant Guidelines, approved by the Conservancy Board January 2022, in working with the applicant and assessing this proposal.

**DESCRIPTION**

Staff recommends a two-phased funding plan for the Delta Aquatic Center planning project, proposed by the San Joaquin Community Foundation. The first phase of funding, \$741,769, would fund the completion of 65 percent design plans (Phase 1), as described below. The second phase of funding, \$1,802,956, would be available to the project team only upon Board approval of California Environmental Quality Act responsible agency findings. The second phase of funding would be used to conduct additional public outreach, develop project design plans, acquire remaining permits, and complete 90 percent design plan and construction documents (Phase 2). By funding planning all the way through CEQA and construction documents the project will be ready to begin implementation immediately upon completion of the planning project.

The overall purpose and goal of the Delta Aquatic Center is to build a world-class water sports facility in Stockton. This ADA-friendly facility on the Delta will make it possible for all, regardless of ability or means, to access the Delta in small, human-powered watercraft. The Delta Aquatic Center of Stockton will provide greater access to the Delta, increase recreation and tourism opportunities, foster health and wellness, preserve the unique cultural environment of the Delta region, promote environmental education, and increase the economic vitality of the region.

This grant will fund the preconstruction planning activities for construction of the Delta Aquatic Center of Stockton. This work includes engaging a firm to conduct the following activities: 1) architectural programming and planning, including community engagement for the design of the Aquatic Center, 2) development of a site master plan for the Aquatic Center, and 3) securing the necessary permits, identifying construction costs, and creating the final construction documents to go out for bids. The aquatic center will include a building, docks, and parking lot. Additionally, they intend to house the Delta Sculling Center, which will conduct programs for disadvantaged, disabled, master, and youth populations. They also intend to partner with other community-based organizations such as the Stockton Black Urban Farmers Association to move their farm to the project site and will promote a multicultural environment by including Chinese Dragon, tule and Southeast Asian boats. The implementation cost for this project is estimated to be \$15 million.

In preparation for the Delta Aquatic Center of Stockton the San Joaquin Community Foundation has produced a feasibility study and business plan.

**Funding Table**

<b>Grant Application Tasks</b>	<b>Phase One</b>	<b>Phase Two</b>
Task 1: Grant Management	\$51,111	-
Task 2: Project Management and Information Gathering	\$34,074	-
Task 3: Community Engagement	\$27,872	\$22,156
Task 4: Design	\$558,220	\$1,144,500
Task 5: Environmental Clearance and Submittal of Permit Applications	\$70,492	\$636,300
<b>Funding Request</b>	<b>\$741,769</b>	<b>\$1,802,956</b>

**SEVERELY DISADVANTAGED COMMUNITY (SDAC)**

The San Joaquin Community Foundation originally applied for funding under Proposition 68. Proposition 68 requires that at least 20 percent of all funding be spent on projects that serve severely disadvantaged communities, which are defined as “a community with a median household income less than 60 percent of the statewide average” (PRC 45 Sec. 80008(a)(1)). Located in San Joaquin County, there are four potential sites in Stockton where the Delta the Aquatic Center of Stockton could be located, and they all serve a severely disadvantaged community.

**COST SHARE**

The San Joaquin Community Foundation, a nonprofit organization, will not contribute cost share. While the Foundation does not have qualifying cost share during the funding term, it is notable that they secured \$48,000 from the County of San Joaquin and \$75,000 from the City of Stockton to pay for the feasibility study, business plan, and other support for the grant application process.

**CONSISTENCY WITH STATE AND LOCAL PRIORITIES**

The project is consistent with, and links to, multiple actions and priorities outlined in the Conservancy's governing statute, the Conservancy’s Strategic Plan, and the Delta Plan. The project will provide public access to the Delta, increase recreation and tourism opportunities, foster health and wellness, preserve the unique cultural environment of the Delta region, promote environmental education, and increase the economic vitality of the region.

### **LOCAL AND INSTITUTIONAL SUPPORT**

The proposal demonstrates local support and includes over forty letters of support from institutions and community members. The applicant submitted letters of support from the City of Lodi, San Joaquin Office of Education, Visit Stockton, the Greater Stockton Chamber of Commerce, and University of Pacific.

The project has received support from the City of Stockton and the San Joaquin County Board of Supervisors in the form of grants from each respective body. These grants were provided to conduct a feasibility study, create a business plan, support grant writing and research, and other needs to move forward the early planning of the project.

### **ADDITIONAL CONSIDERATIONS**

The applicant submitted the proposed project under the Conservancy's Proposition 68 grant program. Conservancy staff determined that the proposed project is ideally suited for CAR funding. By funding through CAR, the result is a shovel-ready public access project that will benefit the Delta community.

The Delta Aquatic Center of Stockton will seek implementation funding from numerous potential sources including, grants, a local bond, Community Economic Resilience Funds (CERF), and additional state funding.

### **BACKGROUND**

Chaptered on September 23, 2021, the Budget Act of 2021 (Senate Bill 170, Item 3875-101-0001 of Section 2.00) provided the Delta Conservancy with \$5,250,000 for projects that support climate resilience, community access, and natural resource protection activities (collectively known as Climate, Access, and Restoration (CAR) Funding). Of the total, \$4,987,500 is available for projects.

Chaptered on September 6, 2022, the Amended Budget Act of 2022 (Assembly Bill 179, Item 3875-101-0001 of Section 111) provided the Conservancy with \$6,125,000 for projects that support climate resilience, community access, and natural resource protection activities (collectively known as Climate, Access, and Resource (CAR22) Funding). Of the total, up to \$5,818,250 is available for projects.

### **SUGGESTED MOTION LANGUAGE**

Move to award funding up to \$2,544,725 to the San Joaquin Community Foundation from the Climate Access and Resource (CAR) Grant Program for the Delta Aquatic Center of Stockton.

### **CONTACT**

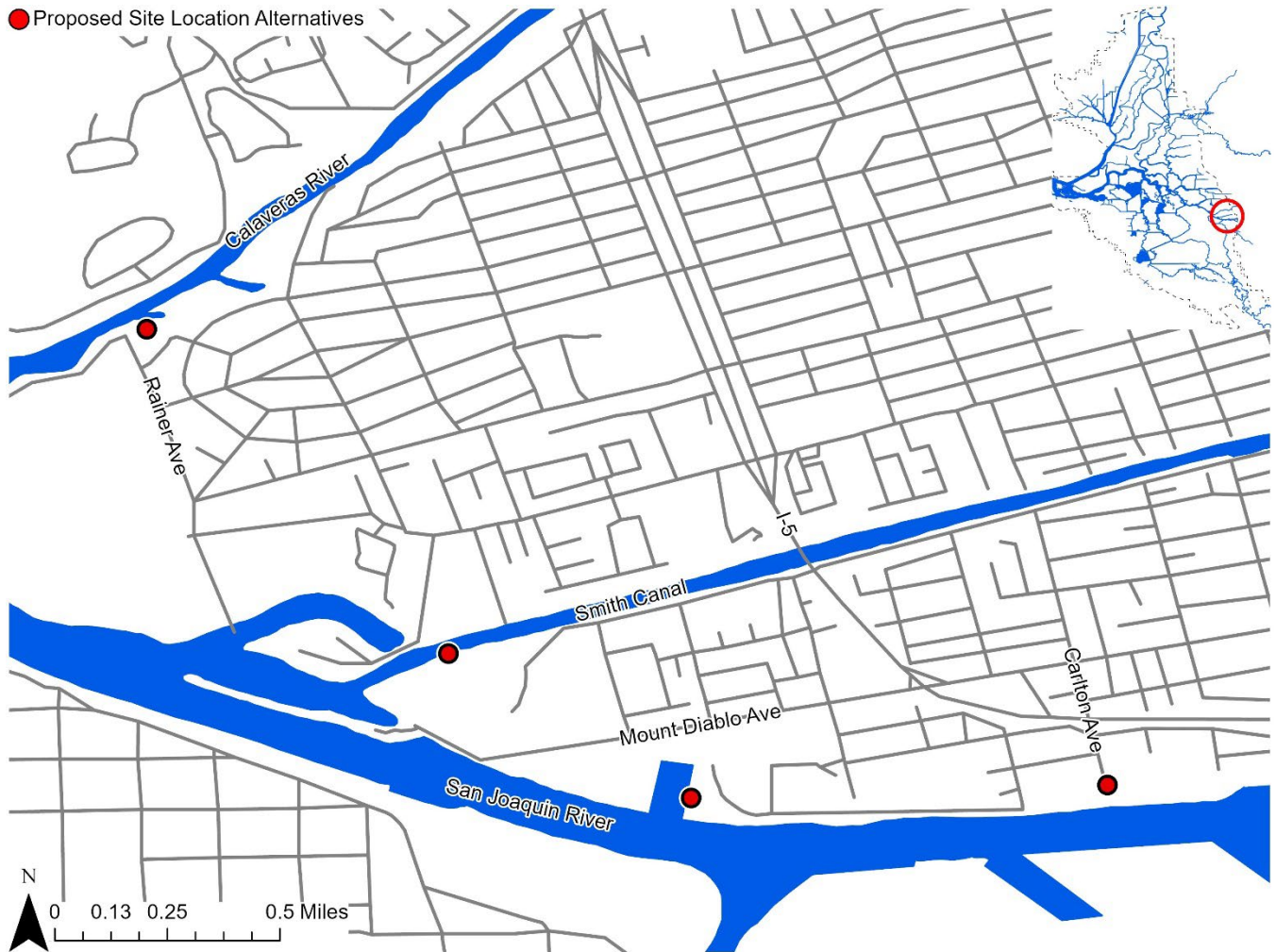
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FIGURE 1. MAP OF DELTA AQUATIC CENTER OF STOCKTON





**Consideration of Amendment to Budget of Community Enhancement Grant Program Agreement for Building Restoration of the 1883 Clarksburg Schoolhouse and Creation of a Delta Welcome Center Project Staff Report**

<b>Grantee</b>	Friends of the 1883 Clarksburg Schoolhouse
<b>Project ID</b>	P6813
<b>Award Year</b>	2022
<b>County</b>	Yolo County
<b>Category</b>	Implementation
<b>Original Award Amount</b>	\$ 1,742,766
<b>Amended Request Amount</b>	\$ 2,070,972
<b>Request</b>	Budget and Term Amendment

This agenda item presents a request to increase the total budget and extend the term of the grant agreement.

**RECOMMENDATION**

Staff recommends that the Board approve the amended budget and term extension explained in this report.

**DESCRIPTION**

The Grantee requests an addition of \$328,206 (19 percent increase) to the grant award to accommodate inflationary costs. The Grantee prepared the proposal budget over a year ago, with costs rising rapidly in the intervening months. Labor costs have also increased due to prevailing wage provisions outlined in the grant agreement. The Grantee also requests a term extension of one year, from March 15, 2025 to March 15, 2026, to accommodate delayed start due to processing an advance payment and budget increase request.

Each item outlined in the Grantee’s amendment request is necessary to create a structurally sound, code-compliant building; without this additional funding the project is at risk of failure. Of note, although not included in this request, the Grantee is expanding their project to include an elevated deck and a walkway, increasing their already substantial in-kind contributions.

**BACKGROUND**

Proposition 68 is the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018 (Public Resources Code Division 45) that made \$12,000,000 available to the Conservancy for uses specified in its governing statute (Sacramento-San Joaquin Delta Conservancy Act, Public Resources Codes, Division 22.3). The Conservancy will use Proposition 68 funds to support projects in the Conservancy’s Community and Economic Enhancement Grant Program. Unlike

traditional grant programs, this program was designed to allow Conservancy staff to collaborate with project applicants to develop proposals that meet the Conservancy and Proposition 68 goals. This is the first amendment request for this project, as well as the first request for the Proposition 68 grant program.

**SUGGESTED MOTION LANGUAGE**

Move that the Board approve an amendment to the grant agreement P6813 with the Friends of the 1883 Clarksburg Schoolhouse to increase the budget by \$328,206 and extend the grant term to March 15, 2026.

**CONTACT**

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## The 2022 Delta Drought Response Pilot Program Report and Technical Analysis Staff Report

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This agenda item presents an overview of 2022 Delta Drought Response Pilot Program Report, which includes a technical appendix that analyzes water savings and evapotranspiration estimates on enrolled acres.

### BACKGROUND

DDRPP 2022 was funded by the Department of Water Resources (DWR) and administered through an interagency agreement with the Sacramento-San Joaquin Delta Conservancy (Delta Conservancy). Developing and implementing the 2022 DDRPP facilitated collaboration among the Delta Water Agencies, the State Team, and Delta water users. The Program promoted a coordinated response to the common threat of poor water quality posed by the extended drought. Along the way, individuals and institutions developed better understanding of the perspectives, objectives, motivations, limitations, and opportunities from their concerted effort.

### DESCRIPTION

The 2022 Delta Drought Response Pilot Program (the Program) Report describes the initiation, solicitation, selection, and analysis of incentivized water conservation actions taken by Delta agricultural water users during the 2021/2022 water year (October 1, 2021 through September 30, 2022). The full report will be available on the Delta Conservancy's website (<http://deltaconservancy.ca.gov/grant-program/delta-drought-response-pilot-program/>) by March 21. The objective of the Program was to implement a variety of water conservation actions and explore their effectiveness. The report draws three major conclusions. First, the analysis found less consumptive use savings than predicted. Second, there was substantial variability in water savings among project sites even when comparing like practices. Last, the need for more data and the continued drought called for renewing a modified DDRPP for water year 2023.

On January 19, 2022, the Conservancy began soliciting applications for grants from farmers willing to undertake water conservation actions during the remainder of the 2022 water year. A Selection Committee evaluated applications and recommended projects for funding. The Delta Conservancy executed agreements with 33 unique Delta farmers, covering approximately 8,800 acres, at a total grant cost of \$7,967,097, based on a fixed price of \$900 per acre enrolled. Grants covered a variety of proposed water conservation actions and were spread among the various subregions of the Legal Delta. Grant applicants were asked to make non-binding estimates of how much water their actions might save during the water year. Total water conservation was estimated to be approximately 22,000 acre-feet for accepted grants. An Oversight Committee worked with farmers to carry out their proposed actions and then evaluate the results of the water conservation practices.

The Committee's analysis compared evapotranspiration – or the combination of water vaporization from soil (i.e., evaporation) and plants (i.e., transpiration) – of DDRPP participant fields, and fields managed by "business-as-usual" practices. The Committee used data from OpenET, which provides satellite-based estimates of evapotranspiration (ET), to make these comparisons. OpenET is a scientifically rigorous, consistent, credible (with both water users and regulatory agencies), transparent, accessible, and inexpensive source of data to compare ET across practices and evaluate the water savings attributable primarily to the incentivized conservation actions under the Program. Notwithstanding rigorous implementation of the water conservation actions from roughly March (when grants were executed) through September, water savings measured through OpenET were less than what grant applicants estimated. The Oversight Committee analysis (Technical Appendix of the 2022 Program Report) estimated water conservation for the Program was between 3,300-5,500 acre-feet. Among the potential reasons for this discrepancy are:

- Water is physically abundant in the Legal Delta even during drought in the watershed; thus, water is continually available and susceptible to evapotranspiration.
- The Program required Healthy Soils practices, which maintained harvested crop stubble or a cover crop to reduce oxidation of peat soils or erosion of bare soils, and plant transpiration from stubble and cover crops can increase evapotranspiration.
- Agricultural fields in the Delta occur at variable elevations, with many fields below the surrounding surface water levels outside of levees, and these conditions require extensive drainage systems to manage seepage and reduce losses to evapotranspiration, regardless of farming practices.
- Water from the water table, adjacent drainage ditches, seepage, or runoff from nearby fields may have contributed to evapotranspiration on Project Sites, particularly for crops with deeper root systems.
- Evapotranspiration was estimated across the entire water year, even though conservation actions were concentrated during the summer.

Even though measured water savings were lower than those initially estimated, the Program provided a wealth of data about water consumptive use, water use actions, and incentives in the unique and complex setting of the Legal Delta. One major pattern seen in this data was the variability in estimated water savings among Project Sites, even when comparing like practices. Additional data gathered from additional sites may help reveal the mechanism driving this variability. The information derived from the 2022 DDRPP analysis was sufficiently valuable to warrant refinement and redeployment of a follow-up Pilot Program during water year 2023. DWR sought and received budget funding to gather additional data, test hypotheses suggested by the 2022 Program, and to study results at varying locations.

**CONTACT**

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## Overview of Resources for Science, Data, and Environmental Compliance and Permitting for Delta Conservancy Projects Staff Report

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This agenda item presents an overview of resources for science, data, and environmental compliance and permitting for Delta Conservancy projects.

### DESCRIPTION

During the January 25, 2023 Board meeting, the chair of the Board directed Conservancy staff to provide an overview of resources for science, data, environmental compliance, and permitting in the Delta. In response, Conservancy staff created a presentation (Agenda Item 12.2) to share with Board members that gives a high-level overview of these topics. The attached presentation summarizes key resources and will be made publicly available on the Conservancy website as a resource to better understand science, data, environmental compliance, and permitting in the Delta.

Conservancy staff approached the Board directive from the perspective of an individual or organization interested in applying for Conservancy funding. Conservancy staff used their collective knowledge and desktop research to outline helpful resources. Conservancy staff coordinated with staff from the Delta Stewardship Council's Delta Science Program to identify additional resources and ensure accuracy of information.

The overview is consistent with the Conservancy's General Grant Guidelines and provides resources related to science strategies, adaptive management, climate change, scientific literature, scientific data, visualizations, environmental compliance, and permitting. While the resources provided in the presentation cover a variety of key topics, the breadth of Delta-centric scientific materials is immense, and the resources provided herein are not comprehensive. Conservancy staff understand the complexity of the subject and are available to help navigate the science or provide the Board and grant applicants with more information.

### CONTACT

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# Science, Data, and Environmental Compliance and Permitting

Delta Conservancy Board Meeting

March 22, 2023

Sarah Lesmeister, PhD

Ecological and Community Programs Manager



SACRAMENTO - SAN JOAQUIN

**DELTA** CONSERVANCY

*A California State Agency*



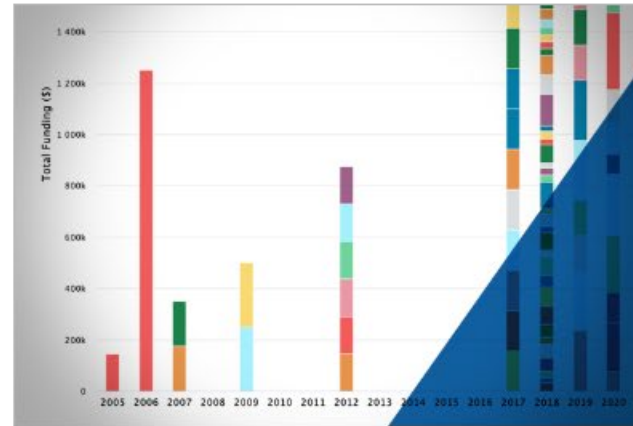
# Science: Delta Science Tracker

## Visualizations



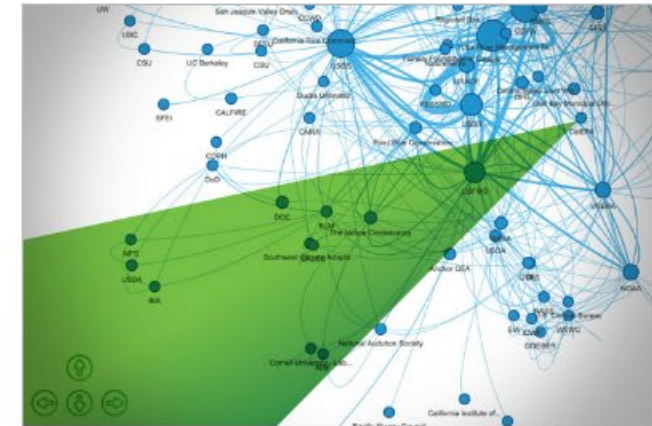
### Science activities

Visualize the number of science activities taking place in a variety of categories.



### Funding

See the distribution of funding to science activities, according to different sources, times, and topics.

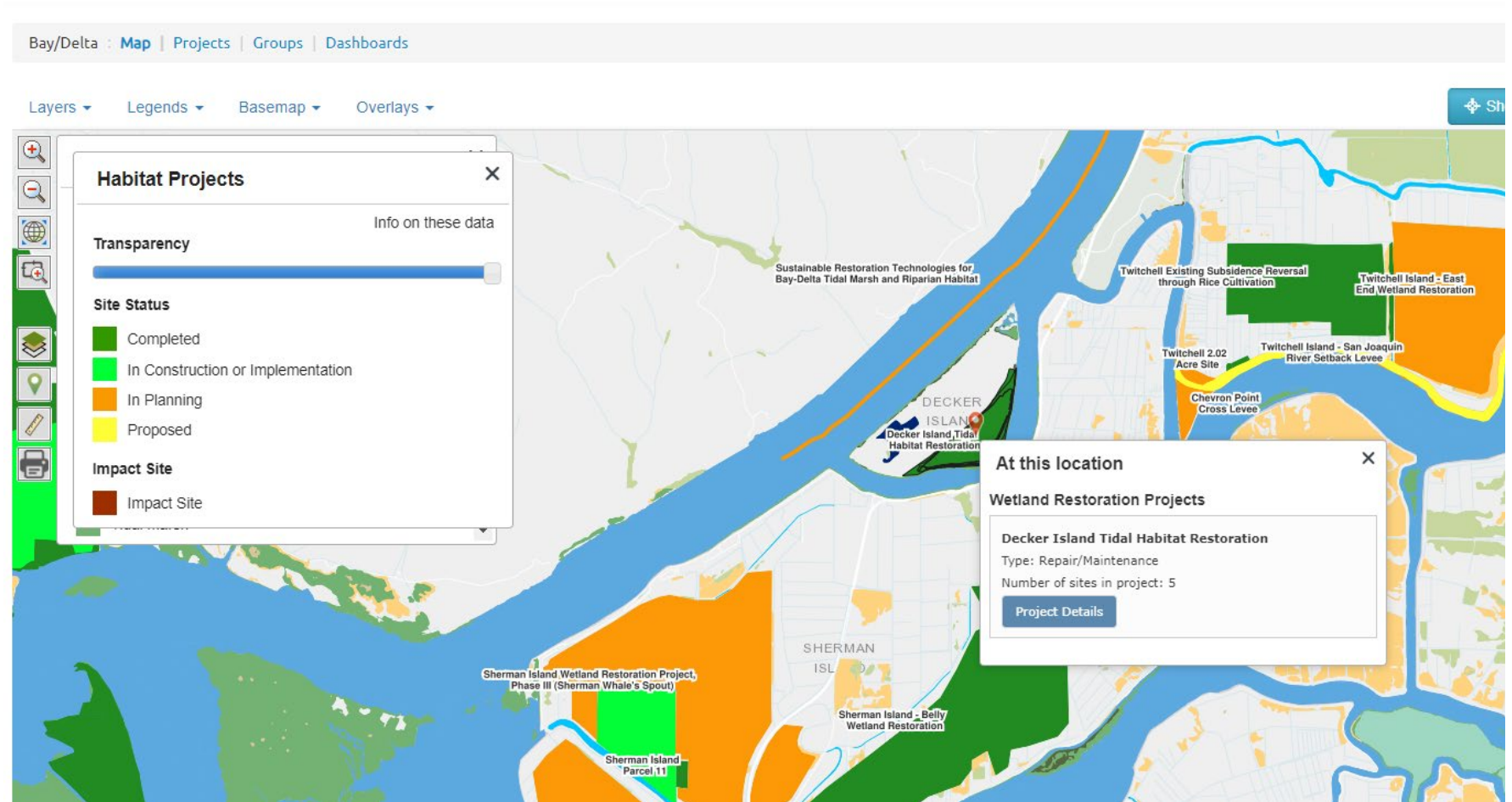


### Collaboration

See the networks of people and organizations working together on different science challenges.

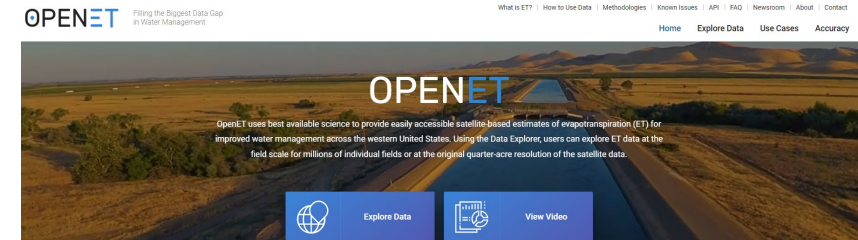
# Data: Restoration Projects

- [EcoAtlas](#)



# Data

- Terrestrial Conditions
  - [California Irrigation Management Information System](#)
  - Evapotranspiration [Open ET](#)
- Real Time Water Conditions
  - [California Data Exchange Center](#)
  - USGS [National Water Information System for California](#)
- Aquatic
  - [California Environmental Data Exchange Network](#)
  - [IEP](#)
    - [Environmental Data Initiative](#)
  - [Delta Aquatic Resource Inventory](#)
- Terrestrial
  - [Statewide Crop Mapping](#)
  - [CDFW Conservation Planning Data and Tools](#)
  - [CDFW Species Management](#)
    - [Swainson's Hawk](#)
- Other
  - [CA Open Data Platform](#)
  - [CNRA Open Data Platform](#)
  - [SFEI Delta Landscape Scenario Planning tool](#)



Share: [f](#) [t](#)

CALIFORNIA DATA EXCHANGE CENTER  
 CALIFORNIA DEPARTMENT OF  
**WATER RESOURCES**

Home Query Tools Precipitation River Forecast River

### SACRAMENTO RIVER AT RIO VISTA BRIDGE (RVB)

Elevation: 0' - SACRAMENTO R basin - Operator: CA Dept of Water Resources/Div of Environmental Services

Datum 0 = 0.0' NAVD  
 River Stage Definitions: Monitor stage **7.4'** Flood stage **11.5'** Danger stage **12.9'**  
 Peak Stage of Record 11.5' on 02/20/1986 00:00

Station comments:  
**12/15/2020** Data is preliminary and subject to revision. For QA/QC'd data, contact the Division of Environmental Services.  
*Query executed Monday at 16:12:47*  
 Provisional data, subject to change.  
 Select a sensor type for a plot of data.

Hourly Data

Earlier

DATE / TIME PST	RIV STG FEET	TEMP DEG F	WIND SP MPH	WIND DR DEG	EL COND uS/cm	CHLORPH ug/L	PH VAL	TEMP W DEG F	TURB W NTU	DIS OXY MG/L	SOLAR R WJM^2
02/27/2023 05:00	5.04	43	9	68	227	3.02	7.8	47.6	8.96	11.0	0.00
02/27/2023 06:00	5.58	43	13	76	223	2.93	7.8	47.6	9.15	11.1	0.00
02/27/2023 07:00	6.04	43	11	64	219	2.91	7.8	47.6	8.66	11.1	20.00
02/27/2023 08:00	6.39	42	12	65	224	2.54	7.8	47.6	9.19	11.0	54.00
02/27/2023 09:00	6.56	43	12	43	224	2.40	7.9	47.6	9.31	11.0	93.00
02/27/2023 10:00	6.47	45	13	108	223	2.44	7.9	47.6	8.92	11.1	28.00
02/27/2023 11:00	6.31	42	7	139	223	2.55	7.9	47.6	8.93	11.1	37.00
02/27/2023 12:00	5.59	43	13	90	224	2.53	7.9	47.6	9.02	11.1	59.00
02/27/2023 13:00	4.94	41	16	77	218	2.56	7.8	47.5	8.76	11.1	175.00

California Department of **Fish and Wildlife**

Home Fishing Hunting Licensing Conservation Learning

Home | Conservation | Birds | Swainson Hawks

### Swainson's Hawks in California

The Swainson's hawk (*Buteo Swainsoni*) was listed as a threatened species in 1983 by the California Fish and Game Commission. This listing was based on loss of habitat and decreased numbers across the state.

#### Distribution and Abundance

It is thought that the historic population of Swainson's hawks in California was as many as 17,136 pairs. In 1980 a report developed by Bloom (PDF) estimated 375 (+50) breeding pairs of Swainson's hawks remaining in California. Bloom's report noted number to the greatest in the Central Valley and in the Great Basin area of northeastern California, with a few Swainson's hawk territories located in Shasta Valley, the Owens Valley, and the Mohave Desert. In 1988 a Department led survey effort revealed no change in Swainson's hawk distribution from the 1980. The 1988 effort led to an estimate of 430 pairs in the Central Valley and a state-wide estimate of 550 breeding pairs. In 2005 a state-wide survey was conducted in the known range. The results showed a state-wide estimate for the number breeding pairs at 2081. Surveys conducted in Butte to San Joaquin counties during the period 2002-2009 showed numbers of breeding pairs of Swainson's hawks at 593 in 2002, 1008 in 2003 and 941 in 2009.



#### Biology

The Swainson's hawk is a medium-sized buteo with relatively long, pointed wings which curve up somewhat in a slight dihedral while the bird is in flight. The most distinctive identifying feature of adults is dark head and breast band distinctive from the lighter colored belly, and the underside of the wing with the linings lighter than the dark gray flight

#### Related Info

- [Five-Year Status Review of the Swainson's Hawk \(Buteo swainsoni\) in California - 2016 \(PDF\)](#)
- [California Partners in Flight Swainson's Hawk Species Profile \(1998\)](#)
- [Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley - Swainson's Hawk Tech. Advis.](#)



# Environmental Compliance

- Board-Approved Projects
  - Conservancy Files
    - Contact Conservancy Staff
- Other Projects
  - Repository of CEQA forms
    - State Clearinghouse [CEQAnet](#)
  - CEQA IS/EIRs: Lead Agencies often host documents
    - Examples:
      - CDFW: [Suisun Marsh Habitat Management, Preservation and Restoration](#)
      - City of Fairfield: [Pacific Flyway Center](#)
  - [Delta Plan Covered Actions](#)
  - Some agency webpages host approved permits
    - Example: CA Water Boards
      - [Public notices for Clean Water Act Section 401](#)

381 document(s) found

SCH Number	Type	Lead/Public Agency	Received	Title
<a href="#">2023030054</a>	NOE	California State Lands Commission (SLC)	3/1/2023	Issuance of a General Lease – Recreational Use – Lease 4141
<a href="#">2023030053</a>	NOE	California State Lands Commission (SLC)	3/1/2023	Issuance of a General Lease – Recreational Use – Lease 4121
<a href="#">2023030052</a>	NOE	California State Lands Commission (SLC)	3/1/2023	Issuance of a General Lease – Recreational Use – Lease 3683
<a href="#">2023030051</a>	NOE	California State Lands Commission (SLC)	3/1/2023	Issuance of a General Lease – Recreational Use – Lease 3675
<a href="#">2023030050</a>	NOE	California State Lands Commission (SLC)	3/1/2023	Amendment of Lease – Lease 3661
<a href="#">2021030038</a>	NOD	City of San Diego	3/1/2023	Paseo Monrill
<a href="#">2023030049</a>	NOE	California State Lands Commission (SLC)	3/1/2023	Issuance of a General Lease – Recreational Use – Lease 3546



# Permitting

- Federal
  - US Army Corp of Engineers
    - Clean Water Act Section 404, Section 10 Rivers and Harbors Act
  - US Fish Wildlife Services and National Marine Fisheries Services
    - Biological Opinion
- California (State)
  - Department of Fish and Wildlife
    - Lake or Stream Bed Alteration Agreement, Incidental Take Permit, Consistency Determination, Habitat Restoration and Enhancement Act
  - Department of Transportation
    - Encroachment
  - Coastal Conservancy
    - Letter of Consistency
  - Water Boards (State, Regional)
    - 401 General Water Quality Certification of Small Habitat Restoration, Construction Activities Storm Water General, 401 Water Quality Certification of Waste Discharge, Permission to Encroach on Waterways within Floodways
- Regional
  - BCDC Marsh Development Permit
  - CEQA NOD if project falls under EIR for Suisun Marsh Habitat Management, Preservation and Restoration Plan
- City/County
  - Grading Permit, Environmental Health Department, Road Use
- Others
  - Flood and Hydrological Analysis

# Science: Strategies

## Delta Conservancy Strategic Plan

- [2022-2027 Strategic Plan](#)

## Delta Stewardship Council

- [Delta Plan](#)
  - [Chapter 4: Protect, Restore and Enhance the Delta Ecosystem](#)
- Delta Science Program
  - [2019 Science Plan](#)
  - [2022-2026 Science Action Agenda](#)
  - [2023 State of Bay-Delta Science](#)
- Inter-agency Ecological Program
  - [2020-2024 Science Strategy](#)



# Science: Climate Change

- [CA Climate Resilience Strategy](#)
- [Natural and Working Lands Climate Smart Strategy](#)
- [CA Water Resilience Portfolio](#)
- [San Francisco Estuary Blueprint](#)
- [Delta Adapts](#)
- [Adapting to Rising Tides](#)
- [CDFA Climate Smart Ag Programs](#)

## Primary Climate Stressors



Precipitation and Hydrologic Patterns



Air Temperature



Sea Level Rise



Frequency of Extreme Events

## Secondary Climate Stressors



Wildfire



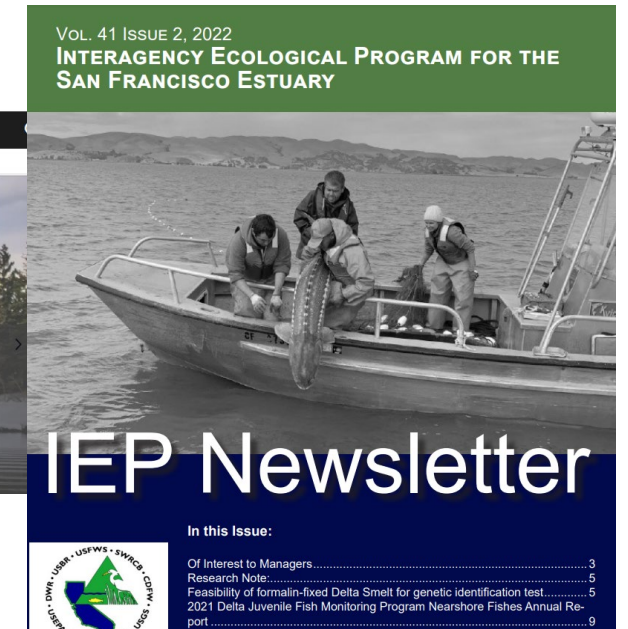
Wind



Fog

# Science: Publications and Reports

- Publications
  - [San Francisco Estuary and Watershed Sciences \(SFEWS\)](#)
  - [Ecological Restoration](#)
  - [Invasive Plant Science and Management](#)
- Reports/Newsletters
  - [CDFW Delta Conservation Network](#)
  - [Delta Public Lands Strategy](#)
  - [SFEI Delta Landscapes Project](#)
  - [IEP Newsletter](#)
  - [Delta Breeze](#)
  - [Estuary News](#)



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Feasibility of formalin-fixed Delta Smelt for genetic identification test.....	5
2021 Delta Juvenile Fish Monitoring Program Nearshore Fishes Annual Report.....	9

Freshwater-to-Marine Gradient in the San Francisco Bay-Delta System  
 Kudela, Raphael M.; Howard, Meredith D. A.; Monismith, Stephen; Paerl, Hans W.

Invasive Aquatic Vegetation in the Sacramento-San Joaquin Delta and Suisun Marsh: The History and Science of Control Efforts and Recommendations for the Path Forward  
 Conrad, J. Louise; Thomas, Madison; Jetter, Karen; Madsen, John; Pratt, Paul; Moran, Patrick; Takekawa, John; Darin, Gina Skurka; K...

Ecology and Ecosystem Effects of Submerged and Floating Aquatic Vegetation in the Sacramento-San Joaquin Delta  
 Christman, Maigaret A.; Khanna, Shruti; Drexler, Judith Z.; Young, Matthew J.

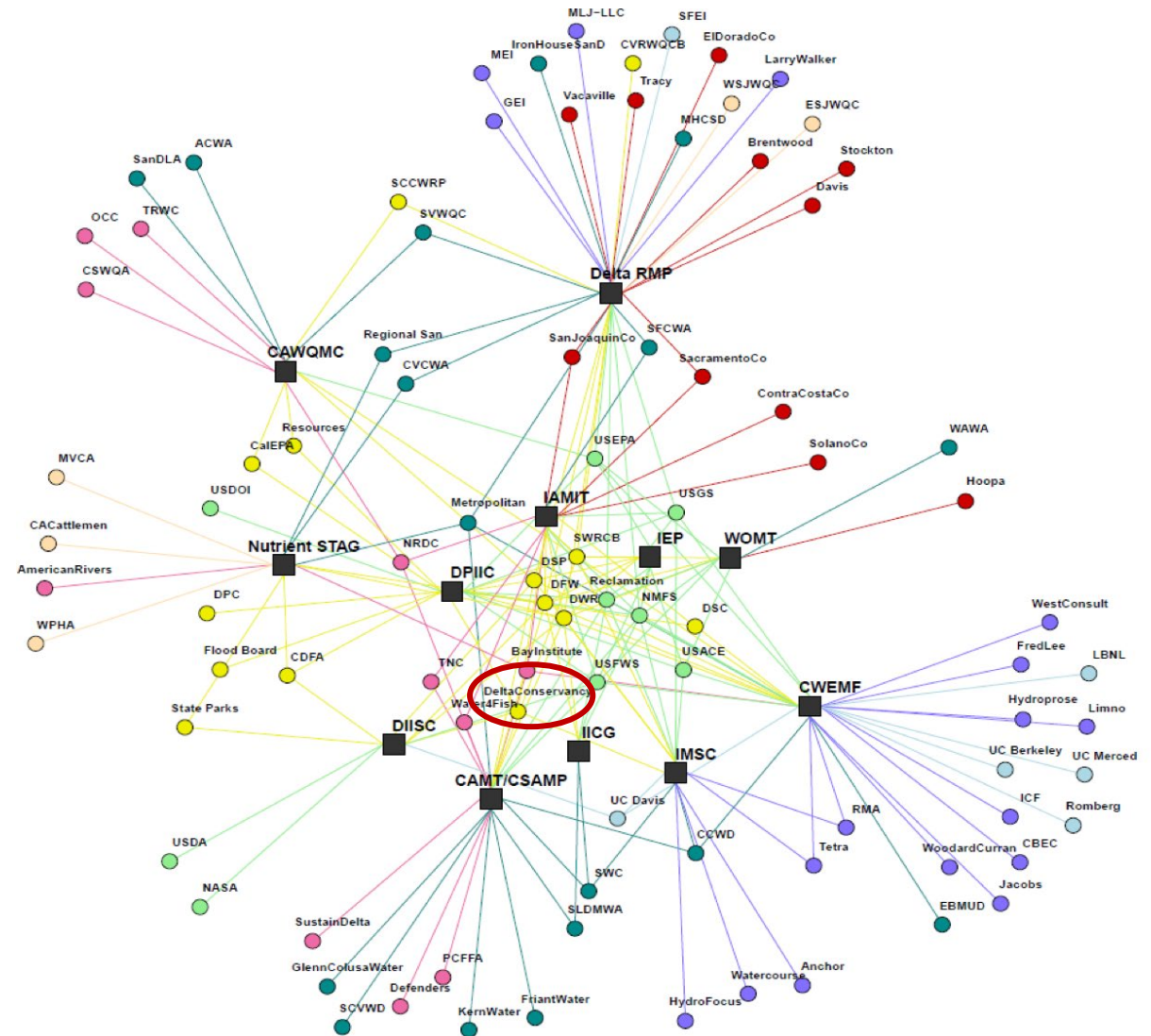
Remote Sensing of Primary Producers in the Bay-Delta  
 Hestir, Erin; Dronova, Iryna

Landscape Transformation and Variation in Invasive Species Abundance Drive Change in Primary Production of Aquatic Vegetation in the Sacramento-San Joaquin Delta  
 Boyer, Kathryn E.; Safran, Samuel M.; Khanna, Shruti; Patten, Melissa V.



# Conclusion

- Complex
- Collaboration
- Contact Us



# Contact Us!

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### Potential Agenda Items for the May 24, 2023 Board Meeting

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Staff is seeking input from the Board regarding additional agenda items for the May 24, 2023 Board meeting.

Potential items include:

- Potential Project Sites Visit for May Board Meeting
- Consideration of Award of Community Enhancement Grant Program Proposal(s)
- Consideration of Amendment Requests to Community Enhancement Grant Program Awards

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